

orl-mus TDLo:100 mg/kg FRMCE8 55,219,2000

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

DPY800 CAS: 296269-46-0 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-5-METHYL-1-PHENYL-1H-PYRAZOLE-4-METHANOL

mf: C₁₆H₂₃N₃O mw: 273.38

TOXICITY DATA with REFERENCE:

orl-mus TDLo:100 mg/kg FRMCE8 55,219,2000

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

DQA400 CAS: 60-87-7 HR: 3
10-(2-(DIMETHYLAMINO)PROPYL)PHENOTHIAZINE

mf: C₁₇H₂₀N₂S mw: 284.45

SYNS: A-91033 □ APROBIT □ ATOSIL □ AVOMINE □ DIMAPP □ DIMETHYLAMINO-ISOPROPYL-PHENTHIAZIN (GERMAN) □ (2-DIMETHYLAMINO-2-METHYL)ETHYL-N-DIBENZOPARATHIAZINE □ N-(2'-DIMETHYLAMINO-2'-METHYL)ETHYL-PHENOTHIAZINE □ 10-(2-(DIMETHYLAMINO)-2-METHYLETHYL)PHENOTHIAZINE □ N-DIMETHYLAMINO-2-METHYLETHYL THIODIPHENYLAMINE □ (DIMETHYLAMINO-2-PROPYL-10-PHENOTHIAZINE HYDROCHLORIDE (FRENCH) □ DIPRAZINE □ DIPROZIN □ FARGAN □ FENAZIL □ FENERGAN □ FENETAZINA □ HIBERNA □ HISTARGAN □ IERGIGAN □ ISOPHENERGAN □ ISOPROMETHAZINE □ LERCIGAN □ LERGIGAN □ LILLY 1516 □ LILLY 01516 □ NCI-C60673 □ PHARGAN □ PHENERGAN □ PHENSEDYL □ PILPOPHEN □ PIPOLPHEN □ PROAZAIME □ PROAZAMINE □ PROCIT □ PROMAZINAMIDE □ PROMETASIN □ PROMETAZIN □ PROMETHIAZINE □ PROMEZATHINE □ PROREX □ PROTAZINE □ PROTHAZIN □ PROVIGAN □ PYRETHIA □ PYRETHIAZINE □ ROMERGAN □ 3277 RP □ 3389 R.P. □ 4182 R.P. □ SKF 1498 □ SYNALGOS □ TANIDIL □ THIERNAN □ VALLEGINE □ WY 509

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV FCTOD7 20 573,82
 eye-rbt 100 mg/4S rns MLD FCTOD7 20573,82
 dni-hmn:fbr 80 nmol/L DNSYAG 29,829,68
 otr-ham:emb 10 mg/L ENMUDM 8(Suppl 6),4,86
 msc-ham:lng 10 mg/L SHIGAZ 70,943,83
 skn-cld TDLo:13 mg/kg:EYE,PSY CMAJAX 130,1460,84
 ipr-rat LDLo:140 mg/kg TXAPA9 1,156,59
 scu-rat LD50:700 mg/kg CRSBAW 144,887,50
 ivn-rat LD50:45 mg/kg AIPTAK 120,450,59
 ims-rat LD50:169 mg/kg TXAPA9 18,185,71
 orl-mus LD50:326 mg/kg ARZNAD 7,237,57
 ipr-mus LD50:124 mg/kg JPETAB 108,201,53
 scu-mus LD50:225 mg/kg PRPHA8 2,53,47
 ivn-mus LD50:40 mg/kg TXAPA9 18,185,71
 ims-mus LD50:175 mg/kg TXAPA9 18,185,71
 orl-rbt LD50:580 mg/kg PHARAT 25,91,70
 ivn-rbt LD50:19 mg/kg AIPTAK 120,450,59

SAFETY PROFILE: Poison by ingestion, intravenous, intramuscular, intraperitoneal, and subcutaneous routes. Human systemic effects by ingestion: pupillary dilation, wakefulness, hallucinations, and distorted perceptions. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. A severe eye

irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

DQA600 CAS: 58-40-2 HR: 3
10-(3-(DIMETHYLAMINO)PROPYL)PHENOTHIAZINE

mf: C₁₇H₂₀N₂S mw: 284.45

PROP: Oily liquid. Bp: 203–210° @ 0.3 mm.

SYNS: AMPAZINE □ N,N-DIMETHYL-10H-PHENOTHIAZINE-10-PROPANAMINE □ ESPARIN □ LIRANOL □ NEO-HIBERNEX □ PROMAZINE □ PROTACTYL □ SPARINE □ VEROPHEN □ WY 1094

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg ARZNAD 8,507,58
 ipr-rat LDLo:210 mg/kg TXAPA9 1,156,59
 scu-rat LD50:192 mg/kg ARZNAD 24,1798,74
 ivn-rat LD50:14,500 µg/kg AIPTAK 119,311,59
 orl-mus LD50:401 mg/kg ARZNAD 8,489,58
 ipr-mus LD50:140 mg/kg AIPTAK 155,69,65
 scu-mus LD50:110 mg/kg ARZNAD 24,1798,74
 ivn-mus LD50:45 mg/kg APTOA6 19,87,62
 ivn-rbt LD50:21 mg/kg AIPTAK 120,450,59

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Human poison by unspecified route. An experimental poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

DQA700 CAS: 13082-24-1 HR: 3
10-(2-(DIMETHYLAMINO)PROPYL)PHENOTHIAZIN-2-YL MORPHOLINOMETHYL KETONE

mf: C₂₃H₂₉N₃O₂S mw: 411.61

SYN: PHENOTHIAZINE, 10-(2-(DIMETHYLAMINO)PROPYL)-2-(MORPHOLINOACETYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:410 mg/kg CHTPBA 1,397,66

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 SO_x and NO_x.

DQA710 CAS: 13065-64-0 HR: 3
10-(3-(DIMETHYLAMINO)PROPYL)PHENOTHIAZIN-2-YL MORPHOLINOMETHYL KETONE

mf: C₂₃H₂₉N₃O₂S mw: 411.61

SYN: PHENOTHIAZINE, 10-(3-(DIMETHYLAMINO)PROPYL)-2-(MORPHOLINOACETYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg CHTPBA 1,397,66

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 SO_x and NO_x.

DQA720 CAS: 296269-48-2 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-1-PHENYL-5-PROPYL-1H-PYRAZOLE-4-METHANOL

1394 DQA730 α -(3-(DIMETHYLAMINO)PROPYL)-1-PHENYL-1H-PYRAZOLE-

mf: C₁₈H₂₇N₃O mw: 301.43

TOXICITY DATA with REFERENCE:

orl-mus TDLo:200 mg/kg FRMCE8 55,219,2000

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

DQA730 CAS: 296269-45-9 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-1-PHENYL-1H-PYRAZOLE-4-METHANOL

mf: C₁₅H₂₁N₃O mw: 259.35

TOXICITY DATA with REFERENCE:

orl-mus TDLo:200 mg/kg FRMCE8 55,219,2000

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

DQA800 CAS: 7375-15-7 HR: 2
1-(3-(DIMETHYLAMINO)PROPYL)-2-PYRROLIDINONE

mf: C₉H₁₈N₂O mw: 170.29

SYN: 2-PYRROLIDINONE, 1-(3-(DIMETHYLAMINO)PROPYL)-

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1600 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 NO_x.

DQB309 CAS: 13713-13-8 HR: 3
2-(3-(DIMETHYLAMINOPROPYL)-3a,4,7,7a-TETRAHYDRO-4,7-ETHANOISOINDOLINE DIMETHIDIIDE

mf: C₁₉H₃₆N₂•2I mw: 546.37

TOXICITY DATA with REFERENCE:

orl-rat LD50:1730 mg/kg SKNEA7 10,15,60

ivn-rat LD50:137 mg/kg SKNEA7 10,15,60

orl-mus LD50:2334 mg/kg SKNEA7 10,15,60

ivn-mus LD50:156 mg/kg SKNEA7 10,15,60

ivn-rbt LD50:82,200 µg/kg SKNEA7 10,15,60

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

DQB400 CAS: 5683-33-0 HR: 3
2-DIMETHYLAMINOPYRIDINE

mf: C₇H₁₀N₂ mw: 122.19

SYNS: DIMETHYLAMINO-2 PYRIDINE □ PYRIDINE, 2-DIMETHYLAMINO- □ 2-PYRIDINAMIDE, N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:182 mg/kg APFRAD 26,345,1968

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

DQB600 CAS: 1122-58-3 HR: 3
4-DIMETHYLAMINOPYRIDINE

mf: C₇H₁₀N₂ mw: 122.19

PROP: Plates from EtOH. Mp: 114°. Very sol in H₂O.

SYNS: 4-DIMETHYLAMINEPYRIDINE □ γ -(DIMETHYLAMINO)PYRIDINE □ p-DIMETHYLAMINOPYRIDINE

TOXICITY DATA with REFERENCE:

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

ivn-mus LD50:56 mg/kg CSLNX* NX#04228

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQB800 CAS: 5585-67-1 HR: 3
2-(DIMETHYLAMINO) RESERPILINATE

mf: C₂₆H₃₅N₃O₅ mw: 469.64

SYNS: ANTIPRESSINE DIHYDROCHLORIDE □ 2-(DIMETHYLAMINO) RESERPILIN-24-OIC ACID ETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:2350 mg/kg OYYAA2 3,390,69

ipr-rat LD50:330 mg/kg OYYAA2 3,390,69

scu-rat LD50:1000 mg/kg OYYAA2 3,390,69

orl-mus LD50:2100 mg/kg OYYAA2 3,390,69

ipr-mus LD50:410 mg/kg OYYAA2 3,390,69

scu-mus LD50:980 mg/kg OYYAA2 3,390,69

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

DQC000 CAS: 63019-60-3 HR: 2
7-(p-(DIMETHYLAMINO)STYRYL)BENZ(c)-ACRIDINE

mf: C₂₇H₂₂N₂ mw: 374.51

SYN: p-DIMETHYLAMINOBENZYLIDEN-3,4-BENZ-9-METHYLACRIDINE

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

DQC200 CAS: 63019-59-0 HR: 2
12-(p-(DIMETHYLAMINO)STYRYL)BENZ(a)-ACRIDINE

mf: C₂₇H₂₂N₂ mw: 374.51

SYN: p-DIMETHYLAMINOBENZYLIDEN-1,2-BENZ-9-METHYLACRIDINE

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

DQC400 CAS: 1628-58-6 HR: 2
2-(p-(DIMETHYLAMINO)STYRYL)BENZOTHIAZOLE

mf: C₁₇H₁₆N₂S mw: 280.41

SYN: 2-(4-DIMETHYLAMINOSTYRYL)BENZOTHIAZOLE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:35 g/kg/1Y-I:NEO,REP JNCIAM 41,985,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQC600 CAS: 19716-21-3 HR: 2
4-(p-(DIMETHYLAMINO)STYRYL)-6,8-DIMETHYLQUINOLINEmf: C₂₁H₂₂N₂ mw: 302.45**SYN:** 6,8-DIMETHYL-(4-p-(DIMETHYLAMINO)STYRYL)-QUINOLINE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:38 mg/kg/51W-I:ETA,REP JNCIAM 41,985,68

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQD000 CAS: 897-55-2 HR: 3**
4-(4-(DIMETHYLAMINO)STYRYL)QUINOLINEmf: C₁₉H₁₈N₂ mw: 274.39**SYNS:** 2-(4-N,N-DIMETHYLAMINOSTYRYL)QUINOLINE □ 4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE**TOXICITY DATA with REFERENCE:**

ivn-mus TDLo:100 mg/kg:NEO,REP CNREA8 25,938,65

ivn-mus LDLo:160 mg/kg CNREA8 25,938,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Experimental reproductive effects. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQD200 CAS: 21970-53-6 HR: 2**
4-(p-(DIMETHYLAMINO)STYRYL)QUINOLINE MONOHYDROCHLORIDEmf: C₁₉H₁₈N₂•ClH mw: 310.85**SYN:** NSC-63346**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:115 mg/kg/1Y-I:NEO,REP JNCIAM 41,985,68

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DQD400 CAS: 1596-84-5 HR: 3**
DIMETHYLAMINOSUCCINAMIC ACIDmf: C₆H₁₂N₂O₃ mw: 160.20**PROP:** A solid. Mp: 154–155°.**SYNS:** ALAR □ ALAR-85 □ AMINOZIDE □ B 995 □ BERNSTEINSAEURE-2,2-DIMETHYLHYDRAZID (GERMAN) □ B-NINE □ BUTANEDIOIC ACID MONO(2,2-DIMETHYLHYDRAZIDE) □ DAMINOZIDE (USDA) □ DIMAS □ N-DIMETHYL AMINO-β-CARBAMYL PROPIONIC ACID □ N-(DIMETHYLAMINO)SUCCINAMIC ACID □ N-DIMETHYL-AMINO-SUCCINAMIDSAEURE (GERMAN) □ DMSA □ KYLAR □ NCI-C03827 □ SADH □ SUCCINIC ACID-2,2-DIMETHYLHYDRAZIDE □ SUCCINIC-1,1-DIMETHYLHYDRAZIDE**TOXICITY DATA with REFERENCE:**

mma-mus:lyms 1650 mg/L EMMUEG 12,85,88

msc-mus:lyms 156 mg/L EMMUEG 12,85,88

orl-rat LD50:8400 mg/kg FMCHA8 2,D10,80

orl-mus LD50:6300 mg/kg CHABA8 84,100483n,76

ipr-mus LD50:1325 mg/kg CHABA8 22,126,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-83,78.**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic and tumorigenic data. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**DQD500 HR: 3**
p-DIMETHYLAMINOTHYMOLDIMETHYL-URETHANE METHIODIDEmf: C₁₆H₂₇N₂O₂•I mw: 406.35**SYN:** (CARBOXYMETHYL)TRIMETHYLAMMONIUM IODIDE-6-(DIMETHYLAMINO)-4-ISOPROPYL-m-TOLYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:77,500 µg/kg FEPA7 5,184,46

scu-mus LDLo:15 µg/kg FEPA7 5,184,46

scu-dog LDLo:4600 µg/kg FEPA7 5,184,46

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of I⁻, NH₃, and NO_x. See also IODIDES.**DQD600 CAS: 7347-47-9 HR: 2**
4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-2-PICOLINE-1-OXIDEmf: C₁₄H₁₆N₄O mw: 256.34**SYN:** N,N-DIMETHYL-2-METHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQD800 CAS: 7347-48-0 HR: 2**
4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-2-PICOLINE-1-OXIDEmf: C₁₅H₁₈N₄O mw: 270.37**SYNS:** N,N'DIMETHYL-3-METHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE □ N,N'-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)-o-TOLUIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQE000 CAS: 19456-74-7 HR: 2**
4-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-3-PICOLINE-1-OXIDEmf: C₁₅H₁₈N₄O mw: 270.37**SYN:** N,N,2-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQE200 CAS: 19471-28-4 HR: 2**
4-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-3-PICOLINE-1-OXIDEmf: C₁₅H₁₈N₄O mw: 270.37**SYN:** N,N,3-TRIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE

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

DQE400 CAS: 17400-68-9 HR: 2
5-((4-(DIMETHYLAMINO)-m-TOLYL)AZO)-QUINOLINE

mf: C₁₈H₁₈N₄ mw: 290.40

SYNS: N,N-DIMETHYL-4-(5'-QUINOLYLAZO)-m-TOLUIDINE
 □ 3-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)-QUINOLINE

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

DQE600 CAS: 17416-21-6 HR: 2
5-((4-(DIMETHYLAMINO)-o-TOLYL)AZO)-QUINOLINE

mf: C₁₈H₁₈N₄ mw: 290.40

SYN: 2-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE

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

DQE800 CAS: 14144-91-3 HR: 3
5-DIMETHYLAMINO-4-TOLYL METHYL-ARBAMATE

mf: C₁₁H₁₆N₂O₂ mw: 208.29

SYNS: BAY 42696 □ 4-METHYL-3-DIMETHYLAMINOPHENYL ESTER-N-METHYLCARBAMIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:46 mg/kg ATXKA8 27,311,71

scu-mus LDLo:20 mg/kg NTIS** PB158-508

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. A strong oxidizing agent. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES and ESTERS.

DQE900 CAS: 2083-91-2 HR: 3
DIMETHYLAMINOTRIMETHYLSILANE

mf: C₅H₁₃NSi mw: 117.27

PROP: Liquid. D: 0.74 @ 20°/4°, bp: 85°.

SAFETY PROFILE: Explosive reaction with xenon difluoride below 0°C. When heated to decomposition it emits toxic fumes of NO_x.

DQF000 CAS: 6120-10-1 HR: 2
4-DIMETHYLAMINO-3,5-XYLENOL

mf: C₁₀H₁₅NO mw: 165.26

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

DQF200 CAS: 19456-73-6 HR: 2
4-((4-(DIMETHYLAMINO)-2,3-XYLYL)AZO)PYRIDINE-1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYN: N,N,2,3-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE

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

DQF400 CAS: 19456-75-8 HR: 2
4-((4-(DIMETHYLAMINO)-2,5-XYLYL)AZO)-PYRIDINE-1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYN: N,N,2,5-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE

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

DQF600 CAS: 19595-66-5 HR: 2
4-((4-(DIMETHYLAMINO)-3,5-XYLYL)AZO)-PYRIDINE-1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYN: N,N,2,6-TETRAMETHYL-4-(4'-(PYRIDYL-1'-OXIDE)AZO)ANILINE

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

DQF650 CAS: 14488-49-4 HR: 3
DIMETHYLAMMONIUM PERCHLORATE

mf: C₂H₈ClNO₄ mw: 145.54

SAFETY PROFILE: An explosive salt. When heated to decomposition it emits toxic fumes of Cl⁻, NH₃, and NO_x. See also PERCHLORATES.

DQF700 CAS: 4063-41-6 HR: 2
4,5'-DIMETHYL ANGELICIN

mf: C₁₃H₁₀O₃ mw: 214.23

SYN: 4,8-DIMETHYL-2H-FURO(2,3-h)-1-BENZOPYRAN-2-ONE

TOXICITY DATA with REFERENCE:

dnd-esc 20 µmol/L CBINA8 21,103,78

dnd-mam:lym 20 µmol/L CBINA8 21,103,78

CONSENSUS REPORTS: IARC Cancer Review:

Animal Inadequate Evidence IMEMDT 40,291,86.

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

DQF800 CAS: 121-69-7 HR: 3
N,N-DIMETHYLANILINE

DOT: UN 2253

mf: C₈H₁₁N mw: 121.20

PROP: Yellowish-brown oily liquid. Mp: 2.5°, bp: 193.1°, flash p: 145°F (CC), d: 0.9557 @ 20°/4°, ULC: 20–25, autoign temp: 700°F, vap press: 1 mm @ 29.5°, vap d: 4.17. IDLH 100 ppm.

SYNS: BENZENAMINE, N,N,-DIMETHYL-(9CI) □

(DIMETHYLAMINO)BENZENE □ N-DIMETHYL-ANILINE

(OSHA) □ N,N-DIMETHYLBENZENEAMINE □ DIMETHYL-

PHENYLAMINE □ N,N-DIMETHYLPHENYLAMINE □

DWUMETYLOANILINA (POLISH) □ NCI-C56428 □

VERSNELLER NL 63/10

TOXICITY DATA with REFERENCE:

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

orl-hmn LDLo:50 mg/kg NCPBBY Jan/Feb,69

dnd-rat-ipr 485 mg/kg EMMUEG 21,349,93
 dnd-mus-ipr 485 mg/kg EMMUEG 21,349,93
 sce-ham:ovr 30 mg/L EMMUEG 13,60,89
 orl-hmn LDLo:50 mg/kg;GIT NCPBBY Jan/Feb,69
 orl-rat LD50:1410 mg/kg AIHAAP 23,95,62
 ihl-rat LCLo:250 mg/m³/4H GISAAA 37(4),35,72
 scu-rat LDLo:100 mg/kg 85GMAT -,55,82
 orl-mus LDLo:350 mg/kg NTPTR* NTP-TR-360,89
 skn-rbt LD50:1770 mg/kg AIHAAP 23,95,62
 orl-rat TDLo-32,500 mg/kg/13W-I JTEHD6 29,77,90
 orl-rat TDLo-16,250 mg/kg/13W-I NTPTR* NTP-TR-360,89
 ihl-rat TCLo:10,700 µg/m³/5H/17W-I GISAAA 37(4),35,72
 ihl-rat TCLo:300 µg/m³/24H/14W-C GISAAA 34(3),7,69
 orl-mus TDLo:32,500 mg/kg/13W-I JTEHD6 29,77,90
 orl-rat LD50:1410 mg/kg AIHAAP 23,95,62
 ihl-rat LCLo:250 mg/m³/4H GISAAA 37(4),35,72
 skn-rbt LD50:1770 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Community Right-To-Know 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: 5 ppm (25 mg/m³); Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen with equivocal tumorigenic data. Human poison by ingestion. Moderately toxic by inhalation and skin contact. A skin irritant. Human systemic effects by ingestion: nausea or vomiting. Physiological action is similar to, but less toxic than, aniline. A central nervous system depressant. Mutation data reported. Flammable liquid when exposed to heat, flame, or oxidizers. Explodes on contact with benzoyl peroxide or diisopropyl peroxydicarbonate. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits highly toxic fumes of aniline and NO_x. See also ANILINE.

DQG000 CAS: 41217-05-4 HR: 2
6,12-DIMETHYLANTHRENE

mf: C₂₄H₁₆ mw: 304.40

SYN: 6,12-DIMETHYL-BIBENZ(DEF,MNO)CHRYSENE

TOXICITY DATA with REFERENCE:

dnd-mam:lym 30 µmol/L CBINA8 47,87,83

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

DQG100 CAS: 29063-00-1 HR: D
DIMETHYLANTHRACENE

mf: C₁₆H₁₄ mw: 206.30

SYN: ANTHRACENE, DIMETHYL-

TOXICITY DATA with REFERENCE:

dnd-bcs 50 µg/disc PMRSDJ 1,175,81

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

DQG200 CAS: 781-43-1 HR: 2
9,10-DIMETHYLANTHRACENE

mf: C₁₆H₁₄ mw: 206.30

PROP: Crystals from EtOH. Mp: 180–181°, bp: 140–142° @ 0.5–1 mm.

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate CRNGDP 6,1483,85

mma-esc 10 µg/plate PMRSDJ 1,387,81

dnr-esc 500 mg/L PMRSDJ 1,195,81

sln-dmg-par 5 mmol/L MUREAV 125,243,84

mrc-smc 200 ppm PMRSDJ 1,481,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DQG400 CAS: 18380-68-2 HR: 3
DIMETHYLANTIMONY CHLORIDE

mf: C₂H₆ClSb mw: 187.27

PROP: Thermally unstable yellowish liquid. Bp: 155–160°.

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

SAFETY PROFILE: A poison. Ignites at 40°C in air. When heated to decomposition it emits toxic fumes of Cl⁻. See also ANTIMONY COMPOUNDS and CHLORIDES.

DQG600 CAS: 593-57-7 HR: 3
DIMETHYLARSINE

mf: C₂H₇As mw: 106.07

PROP: Colorless liquid. Mp: -78°, bp: 36°, d: 1.213 @ 29°/4°, vap d: 3.65.

SYN: CACODYL HYDRIDE

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

SAFETY PROFILE: Arsenic compounds are generally poisons. Ignites spontaneously in air. It is more toxic than its oxidation products; reacts vigorously with oxidizing agents. To fight fire, exclude O₂, allow fire to burn, or apply water, foam, dry chemical, water spray, or CO₂. When heated to decomposition it emits toxic fumes of As. See also ARSINE and ARSENIC COMPOUNDS.

DQG700 CAS: 13367-92-5 HR: 3
DIMETHYL ARSINIC SULFIDE

mf: C₂H₆As₂S₂ mw: 244.04

SYNS: ARSINE SULFIDE, DIMETHYLDI- □ DIMETHYLDIARSINE SULFIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:10 mg/kg CSLNX* NX#03919

OSHA PEL: TWA 0.5 mg(As)/m³

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

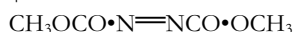
DQH000 CAS: 28842-05-9 HR: 2
3,6'-DIMETHYL AZOBENZENE

mf: C₁₄H₁₄N₂ mw: 210.30

SYNS: 2,3'-AZOTOLUENE □ 2,3'-DIMETHYLAZOBENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQH200 CAS: 35077-51-1 HR: 2
N,N'-DIMETHYL-4,4'-AZODIACETANILIDE**mf: C₁₈H₂₀N₄O₂ mw: 324.42**SYNS:** N'-ACETYL-N'-MONOMETHYL-4'-AMINO-N-ACETYL-N-MONOMETHYL-4-AMINOAZOBENZENE □ N,N'-(AZODI-4,1-PHENYLENE)BIS(N-METHYLACETAMIDE) □ 4,4'-BIS(N-ACETYL-N-METHYLAMINO)AZOBENZENE**TOXICITY DATA with REFERENCE:**

dns-rat:lvrl 1 µmol/L CNREA8 46,1654,86

ipr-rat LD50:480 mg/kg CNREA8 34,2274,74

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DQH509 CAS: 2446-84-6 HR: 3
DIMETHYL AZODIFORMATE**mf: C₄H₆N₂O₄ mw: 146.11**PROP:** Oil. Shock-sensitive, burns explosively. Fp: 10°, bp: 96° @ 25 mm.**SYNS:** DIMETHYL AZOFORMATE □ DIMETHYL DIZENEDICARBOXYLATE**SAFETY PROFILE:** A shock-sensitive explosive. It burns explosively when ignited. When heated to decomposition it emits toxic fumes of NO_x.**DQH550 HR: 2
1,3-DIMETHYLBENZ(e)ACEPHENANTHRYLENE**mf: C₂₂H₁₈ mw: 282.40**SYN:** 1,3-DIMETHYLBENZO(b)FLUORANTHENE**TOXICITY DATA with REFERENCE:**

mma-sat 63 nmol/plate CRNGDP 6,1023,85

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DQH600 CAS: 3518-05-6 HR: 2
1,10-DIMETHYL-5,6-BENZACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYN:** 8,12-DIMETHYLBENZ(a)ACRIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQH800 CAS: 17401-48-8 HR: 2
2,10-DIMETHYL-5,6-BENZACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYN:** 9,12-DIMETHYLBENZ(a)ACRIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQI200 CAS: 963-89-3 HR: 2****7,9-DIMETHYLBENZ(c)ACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYN:** 3,10-DIMETHYL-7,8-BENZACRIDINE (FRENCH)**TOXICITY DATA with REFERENCE:**

mma-sat 10 µg/plate ENMUDM 6(Suppl 2),1,84

otr-rat:emb 40,800 µg/L JJIND8 67,1303,81

otr-ham:emb 100 µg/L JJIND8 67,1303,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DQI400 CAS: 32740-01-5 HR: 2
7,11-DIMETHYLBENZ(c)ACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYN:** 1,10-DIMETHYL-7,8-BENZACRIDINE (FRENCH)**TOXICITY DATA with REFERENCE:**

mma-sat 1 nmol/plate GANNA2 70,749,79

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DQI600 CAS: 53-69-0 HR: 3
5,7-DIMETHYL-1,2-BENZACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYN:** 8,10-DIMETHYL-BENZ(a)ACRIDINE**TOXICITY DATA with REFERENCE:**

mma-sat 500 nmol/L ENMUDM 3,11,81

dns-rat:lvrl 50 µmol/L ENMUDM 3,11,81

irn-frg LDLo:11 mg/kg CNREA8 24,1969,64

SAFETY PROFILE: Poison by intrarenal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DQI800 CAS: 2381-40-0 HR: 2
6,9-DIMETHYL-1,2-BENZACRIDINE**mf: C₁₉H₁₅N mw: 257.35**SYNS:** 7,10-DIMETHYLBENZ(c)ACRIDINE □ 2,10-DIMETHYL-7,8-BENZACRIDINE (FRENCH)**TOXICITY DATA with REFERENCE:**

mma-sat 50 µg/plate PNASA6 72,5135,75

otr-ham:emb 2 mg/L EJCAAH 17,179,81

otr-ham:kdy 80 µg/L BJCAAI 37,873,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DQJ000 CAS: 611-74-5 HR: 2
N,N-DIMETHYLBENZAMIDE**mf: C₉H₁₁NO mw: 149.21**PROP:** Liquid or crystals. Mp: 40–41°, bp: 157–158° @ 35 mm.**SYN:** DIMETHYL BENZMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:960 mg/kg TXAPA9 19,20,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQJ200 CAS: 57-97-6 HR: 3
DIMETHYLBENZANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Leaflets from Me₂CO/EtOH. Mp: 122–123°.

SYNS: DBA □ DIMETHYLBENZ(a)ANTHRACENE □ 7,12-DIMETHYLBENZANTHRACENE □ 7,12-DIMETHYLBENZ(a)-ANTHRACENE □ 9,10-DIMETHYL-BENZANTHRACENE □ 9,10-DIMETHYLBENZ(a)ANTHRACENE □ 9,10-DIMETHYL-1,2-BENZANTHRACENE □ 9,10-DIMETHYL-1,2-BENZANTHRAZEN (GERMAN) □ DIMETHYLBENZANTHRENE □ 7,12-DIMETHYLBENZO(a)ANTHRACENE □ 1,4-DIMETHYL-2,3-BENZPHEN-ANTHRENE □ DMBA □ 7,12-DMBA □ NCI-C03918 □ RCRA WASTE NUMBER U094

TOXICITY DATA with REFERENCE:

skn-mus 64 µg MLD CALEDQ 4,333,78
dnd-hmn:emb 220 nmol/L MUREAV 89,95,81
dni-hmn:lvr 1 mmol/L VOONAW 28(11),53,82
otr-mus:emb 300 µg/L PMRSDJ 5,659,85
orl-rat TDLo:37,500 µg/kg (female 14-20D post):ETA,TER CRNGDP 3,413,78
ipr-rat TDLo:24 mg/kg (20D preg):ETA,TER CCSUDL 3,413,78
ivn-rat TDLo:15 mg/kg (21D preg):ETA,TER JNCIAM 52,1365,74
ivn-rat TDLo:15 mg/kg (21D preg):ETA,TER NEOLA4 23,285,76
imp-rat TDLo:11 µg/kg:ETA,TER NISFAY 34,1853,82
ipc-rat TDLo:1250 µg/kg:ETA,TER GANNA2 62,55,71
orl-mus TDLo:640 mg/kg/75D-I:NEO,REP CNREA8 48,425,88
ipr-mus TDLo:112 mg/kg (female 14-21D post):NEO,TER IJCNAW 4,219,69
scu-mus TDLo:60 mg/kg (13-17D preg):NEO,TER LIFSAK 26,1955,80
ivn-mus TDLo:120 mg/kg (18-20D preg):NEO,REP VOONAW 20(8),65,74
ivn-mus TDLo:120 mg/kg (female 18-20D post):NEO,TER VOONAW 20(8),65,74
ivg-mus TDLo:744 mg/kg/31W-I:CAR,REP BJCAAI 20,184,66
ivg-mus TDLo:40 mg/kg (19D preg):CAR,TER VOONAW 22(6),44,76
ivn-rbt TDLo:20 mg/kg (25D preg):NEO,TER BEXBAN 85,369,78
orl-ham TDLo:25 mg/kg/(15D preg):NEO,TER PAACA3 18,1,77
ivn-ham TDLo:24 mg/kg/13W-I:ETA,REP INURAQ 15,42,77
orl-rat LD50:327 mg/kg GANNA2 68,237,77
ivn-rat LD50:54 mg/kg SCIEAS 147,1153,65
orl-mus LD50:340 mg/kg SCIEAS 147,1153,65
ipr-mus LD50:54 mg/kg PWPSA8 24,177,81
itr-mus LD50:22,500 µg/kg PWPSA8 24,177,81
scu-gpg LDLo:20 mg/kg COREAF 252,1236,61

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

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic,

and teratogenic data. A transplacental carcinogen. Poison by ingestion, intravenous, subcutaneous, intraperitoneal, and intratracheal routes. Other experimental reproductive effects. Human mutation data reported. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DQJ400 CAS: 313-74-6 HR: 2
1,12-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Yellow needles. Mp: 132°.

SYN: 1',9-DIMETHYL-1,2-BENZANTHRACENE

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

DQJ600 CAS: 18429-70-4 HR: 2
4,5-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Needles from C₆H₆/EtOH. Mp: 138–139°.

SYN: 3,4'-DIMETHYL-1,2-BENZANTHRACENE

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

DQJ800 CAS: 20627-28-5 HR: 2
6,7-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Pale-yellow needles from MeOH. Mp: 114°.

SYN: 4,10-DIMETHYL-1,2-BENZANTHRACENE

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

DQK000 CAS: 317-64-6 HR: 2
6,8-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Needles from C₆H₆/EtOH. Mp: 138–139°.

SYN: 6,8-DIMETHYL-1,2-BENZANTHRACENE

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

DQK200 CAS: 568-81-0 HR: 2
6,12-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Needles from MeOH. Mp: 75°.

SYN: 4,9-DIMETHYL-1,2-BENZANTHRACENE

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

DQK400 CAS: 35187-28-1 HR: 2
7,11-DIMETHYLBENZ(a)ANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Needles from C₆H₆/EtOH. Mp: 146°.

SYN: 8,10-DIMETHYL-1,2-BENZANTHRACENE

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

DQK600 CAS: 58430-00-5 HR: 2
5,6-DIMETHYL-1,2-BENZANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Plates from EtOH. Mp: 187–188°.

SYN: 8,9-DIMETHYLBENZ(a)ANTHRACENE

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

DQK800 CAS: 20627-31-0 HR: 2
5,9-DIMETHYL-1,2-BENZANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Plates from C₆H₆/EtOH. Mp: 135°.

SYNS: 5,9-DIMETHYL-1,2-BENZANTHRACENE □ 8,12-DIMETHYLBENZ(a)ANTHRACENE

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

DQK900 CAS: 71964-72-2 HR: 2
7,12-DIMETHYLBENZ(a)ANTHRACENE-3,4-DIOL

mf: C₂₀H₁₆O₂ mw: 288.36

TOXICITY DATA with REFERENCE:

mma-sat 10 nmol/plate 46OJAN -675,81

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

DQL000 CAS: 604-81-9 HR: 2
5,10-DIMETHYL-1,2-BENZANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Plates from C₆H₆/EtOH. Mp: 147°.

SYN: 7,8-DIMETHYLBENZ(a)ANTHRACENE

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

DQL200 CAS: 58429-99-5 HR: 2
6,7-DIMETHYL-1,2-BENZANTHRACENE

mf: C₂₀H₁₆ mw: 256.36

PROP: Crystals from EtOAc. Mp: 174°.

SYN: 9,10-DIMETHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

mma-sat 2500 µg/plate BJCAAI 37,873,78

dns-rat:ivr 50 µmol/L ENMUDM 3,11,81

dnd-mus-skn 110 mg/L CNREA8 32,643,72

dni-mus-ipr 100 mg/kg MUREAV 46,305,77

otr-ham:kdy 80 µg/L BJCAAI 37,873,78

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

DQL400 CAS: 32976-87-7 HR: 2
7,12-DIMETHYLBENZ(a)ANTHRACENE, DEUTERATED

mf: C₂₀D₁₆ mw: 272.36

SYN: 7,12-DIMETHYLBENZ(a)ANTHRACENE-D16

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

DQL600 CAS: 39834-38-3 HR: D
7,12-DIMETHYLBENZ(a)ANTHRACENE-5,6-OXIDE

mf: C₂₀H₁₆O mw: 272.36

SYNS: 5,6-DIHYDRO-7,12-DIMETHYL-5,6-EPOXYBENZ(a)-ANTHRACENE □ 7,12-DIMETHYL-5,6-EPOXY-5,6-DIHYDRO-BENZ(a)ANTHRACENE □ EDMBA □ 5,6-EPOXY-5,6-DIHYDRO-7,12-DIMETHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

dnr-esc 100 µmol/L ZKKOBW 92,157,78

dnd-hmn:flr 20 mmol/L MUREAV 43,117,77

otr-mus:oth 50 µg/L IJCNAAW 13,304,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DQL800 CAS: 63019-25-0 HR: 2
9,10-DIMETHYL-1,2-BENZANTHRACENE-9,10-OXIDE

mf: C₂₀H₁₆O mw: 272.36

SYN: 9,10-DIMETHYL-9,10-DIHYDRO-1,2-BENZANTHRACENE-9,10-OXIDE

TOXICITY DATA with REFERENCE:

skn-mus TDLo:860 mg/kg/36W-I:ETA PRLBA4,

129,439,40

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

DQL820 CAS: 68908-87-2 HR: 2
1,3-DIMETHYLBENZENE, BENZYLATED

SYNS: BENZENE, 1,3-DIMETHYL-, BENZYLATED □ SANTOSOL 150

TOXICITY DATA with REFERENCE:

orl-rat LD50:2333 mg/kg EPASR* 8EHQ-1090-0941

skn-rbt LD50:>5 g/kg EPASR* 8EHQ-1090-0941

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQL899 CAS: 68596-88-3 HR: 3
3,5-DIMETHYLBENZENEDIAZONIUM-2-

CARBOXYLATEmf: C₉H₈N₂O₂ mw: 176.18**PROP:** Crystals. Explodes on melting.**SAFETY PROFILE:** A powerful, heat-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x.**DQL959****HR: 3****4,6-DIMETHYLBENZENEDIAZONIUM-2-CARBOXYLATE**mf: C₉H₈N₂O₂ mw: 176.18**SAFETY PROFILE:** A sensitive, high explosive. When heated to decomposition it emits toxic fumes of NO_x. See also EXPLOSIVES, HIGH.**DQM000****CAS: 612-82-8****HR: 3****3,3'-DIMETHYLBENZIDINE DIHYDROCHLORIDE**mf: C₁₄H₁₆N₂•2ClH mw: 285.24**SYNS:** 4,4'-DIAMINO-3,3'-DIMETHYLBIPHENYL DIHYDROCHLORIDE □ 3,3'-DIMETHYLBIPHENYL-4,4'-BIPHENYLDIAMINE DIHYDROCHLORIDE □ 2,3'-DIMETHYLBIPHENYL-4,4'-DIAMINE DIHYDROCHLORIDE □ o-TOLIDINE DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

mma-sat 50 µg/plate CALEDQ 4,21,77

sln-dmg-orl 14 pph ENMUDM 7,325,85

sln-dmg-par 2750 ppm ENMUDM 7,325,85

orl-rat TDLo:1820 mg/kg/65W-C:CAR JACTDZ 10(2),255,91

orl-mus TDLo:15,288 mg/kg/78W-C:CAR FCTOD7 27,801,89

orl-rat TDLo:1120 mg/kg/14D-C NTPTR* NTP-TR-390,91

orl-rat TDLo:18,200 mg/kg/13W-C NTPTR* NTP-TR-390,91

CONSENSUS REPORTS: Reported in NTP Carcinogenesis Studies (Drinking); Clear Evidence: rat NTPTR* NTP-TR-390,91. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**DQM100****CAS: 582-60-5****HR: 3****5,6-DIMETHYLBENZIMIDAZOLE**mf: C₉H₁₀N₂ mw: 146.21**SYN:** BENZIMIDAZOLE, 5,6-DIMETHYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:400 mg/kg RPTOAN 41,249,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.**DQM200****CAS: 18463-86-0****HR: 2****N,N-DIMETHYL-p-(4-BENZIMIDAZOLYAZO)ANILINE**mf: C₁₅H₁₅N₅ mw: 265.35**SYNS:** 4-((p-

(DIMETHYLAMINO)PHENYL)AZO)BENZIMIDAZOLE □ N,N-DIMETHYL-4-(4'-BENZIMIDAZOLYL-AZO)ANILINE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DQM400****CAS: 4699-26-7****HR: 2****6,12-DIMETHYLBENZO(1,2-b:5,4-b')BIS(1-BENZOTHIOPHENE**mf: C₂₀H₁₄S₂ mw: 318.46**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of SO_x.**DQM600****CAS: 22781-23-3****HR: 3****2,2-DIMETHYL-1,3-BENZODIOX-4-OL METHYLCARBAMATE**mf: C₁₁H₁₃NO₄ mw: 223.25**PROP:** Crystals. Mp: 129–130°. Very sltly sol in H₂O.**SYNS:** BENCARBATE □ BENDIOCARB □ BICAM ULV □ 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL-N-METHYLCARBAMATE □ 2,2-DIMETHYLBENZO-1,3-DIOXOL-4-YL METHYLCARBAMATE □ 2,2-DIMETHYL-4-(N-METHYLAMINOCARBOXYLATO)-1,3-BENZODIOXOLE □ 2,2-DIMETHYL-4-(N-METHYLCARBAMATO)-1,3-BENZODIOXOLE □ DYCAB □ FICAM □ GARVOX □ 2,3-ISOPROPYLIDENEDIOXYPHENYL METHYLCARBAMATE □ MC6897 □ METHYLCARBAMIC ACID-2,3-(ISOPROPYLIDENE-DIOXY)PHENYL ESTER □ MULTAMAT □ NIOMIL □ ROTATE □ TATTOO □ TURCAM**TOXICITY DATA with REFERENCE:**

orl-rat LD50:40 mg/kg FMCHA2 -,C29,83

skn-rat LD50:566 mg/kg PEMNDP 9,54,91

orl-mus LD50:45 mg/kg PSSCBG 3,735,72

orl-rbt LD50:35 mg/kg 85JFAN A029,84

orl-gpg LD50:35 mg/kg 85JFAN A029,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.**DQM650****CAS: 40373-42-0****HR: 3****2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL METHYL(1-OXOPROPYL)CARBAMATE**mf: C₁₄H₁₇NO₅ mw: 279.32**SYNS:** CARBAMIC ACID, METHYL(1-OXOPROPYL)-, 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL ESTER □ 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL N-PROPYONYL-N-METHYLCARBAMATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:280 mg/kg USXXAM #4056625

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**DQM800****CAS: 37750-86-0****HR: 2****6,12-DIMETHYLBENZO(1,2-b:4,5-b')DITHIO-NAPHTHENE**mf: C₂₀H₁₄S₂ mw: 318.46**TOXICITY DATA with REFERENCE:**

mnt-mus:fbr 1500 µg/L NULSAK 6,17,63

cyt-mus:fbr 1500 µg/L NULSAK 6,17,63

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

DQM850 CAS: 619-04-5 HR: 3
3,4-DIMETHYLBENZOIC ACID

mf: C₉H₁₀O₂ mw: 150.19

SYN: BENZOIC ACID, 3,4-DIMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:316 mg/kg JMCMA 11,1020,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQN000 CAS: 16757-85-0 HR: 2
1,2-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

TOXICITY DATA with REFERENCE:

cyt-ckn:leu 1 pph/30M BBRA 9 93,954,80

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

DQN200 CAS: 16757-86-1 HR: 2
1,3-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQN400 CAS: 16757-88-3 HR: 2
1,4-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQN600 CAS: 16757-90-7 HR: 2
1,6-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQN800 CAS: 16757-87-2 HR: 2
2,3-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQO000 CAS: 16757-91-8 HR: 2
3,6-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQO200 CAS: 16757-84-9 HR: 2
3,12-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQO400 CAS: 16757-89-4 HR: 2
4,5-DIMETHYLBENZO(a)PYRENE

mf: C₂₂H₁₆ mw: 280.38

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

DQO600 CAS: 2818-89-5 HR: 2
2,5-DIMETHYLBENZOSELENAZOLE

mf: C₉H₉NSe mw: 210.15

SYN: 2,5-DIMETHYLBENZSELENAZOL (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,222,72

eye-rbt 500 mg/24H MLD 28ZPAK -,222,72

orl-rat LD50:1060 mg/kg 28ZPAK -,222,72

CONSENSUS REPORTS: 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: Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and Se. See also SELENIUM COMPOUNDS.

DQO650 CAS: 2626-34-8 HR: 3
5,6-DIMETHYL-2,1,3-BENZOSELENODIAZOLE

mf: C₈H₈N₂Se mw: 211.14

SYN: 2,1,3-BENZOSELENADIAZOLE, 5,6-DIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02249

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

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

DQO800 CAS: 95-26-1 HR: 2
2,5-DIMETHYLBENZOTHIAZOLE

mf: C₉H₉NS mw: 163.25

SYN: 2,5-DIMETHYLBENZTHIAZOL (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,202,72

eye-rbt 20 mg/24H MOD 28ZPAK -,202,72

orl-rat LD50:957 mg/kg 28ZPAK -,202,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQP000 CAS: 18648-22-1 HR: 3
N,N-DIMETHYLBENZO(b)THIOPHENE-3-ETHYLAMINE HYDROCHLORIDE

mf: C₁₂H₁₅NS•ClH mw: 241.80

SYN: N,N-DIMETHYL-β-3-AMINOETHYLBENZOTHIOPHENE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:150 mg/kg JSOOAX 12,1612,69

ivn-mus LD50:100 mg/kg CSLNX* NX#01828

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

DQP100 HR: 3
1,2-DIMETHYL-1H-BENZOTRIAZOLIUM IODIDE

mf: C₈H₁₀N₃•I mw: 275.11

SYN: 1,2-DIMETHYLBENZOTRIAZOLIUM JODID (GERMAN)

TOXICITY DATA with REFERENCE:

scu-mus LDLo:436 mg/kg SDMU** -,36

ivn-mus LDLo:105 mg/kg SDMU** -,36

scu-frg LDLo:380 mg/kg SDMU** -,36

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

DQP125 CAS: 22713-35-5 HR: 3
1,3-DIMETHYL-3H-BENZOTRIAZOLIUM IODIDE

SYN: 1,3-DIMETHYLBENZOTRIAZOLIUM JODID (GERMAN)

TOXICITY DATA with REFERENCE:

scu-mus LDLo:316 mg/kg SDMU** -,36

ivn-mus LDLo:127 mg/kg SDMU** -,36

scu-frg LDLo:250 mg/kg SDMU** -,36

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

DQP400 CAS: 32362-68-8 HR: 2
4,9-DIMETHYL-2,3-BENZTHIOPHANTHRENE

mf: C₁₈H₁₄S mw: 262.38

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

DQP500 CAS: 62346-96-7 HR: 1
2,4-DIMETHYLBENZYL ACETATE

mf: C₁₁H₁₄O₂ mw: 178.25

SYNS: BENZENEMETHANOL, 2,4-DIMETHYL-, ACETATE □ BENZYL ALCOHOL, 2,4-DIMETHYL-, ACETATE □ 2,4-DIMETHYLBENZENEMETHANOL ACETATE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:5 g/kg FCTOD7 30,21S,92

skn-gpg LD50:>5 g/kg FCTOD7 30,21S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQP800 CAS: 103-83-3 HR: 3
N,N-DIMETHYLBENZYLAMINE

DOT: UN 2619

mf: C₉H₁₃N mw: 135.23

PROP: Corrosive liquid. Bp: 181°.

SYNS: ARALDITE ACCELERATOR 062 □ BDMA □ BENZYL-DIMETHYLAMINE □ BENZYL-N,N-DIMETHYLAMINE □ N-BENZYL-DIMETHYLAMINE □ N,N-DIMETHYLBENZENE-METHANAMINE □ N-(PHENYLMETHYL)DIMETHYLAMINE □ SUMINE 2015

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/4H SEV DCTODJ 8,43,85

eye-rbt 5 mg SEV DCTODJ 8,43,85

orl-rat LD50:265 mg/kg KorCJ# 22AUG74

ihl-rat LC50:2062 mg/m³/4H DCTODJ 8,43,85

ihl-mus LC50:1800 mg/m³/2H 85GMAT -,56,82

skn-rbt LD50:1660 mg/kg DCTODJ 8,43,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation and skin contact. Corrosive. A severe eye and skin irritant. Flammable when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x.

DQQ000 CAS: 1875-92-9 HR: 3
DIMETHYLBENZYLAMINE HYDROCHLORIDE

mf: C₉H₁₃N•ClH mw: 171.69

SYNS: DIMETHYLBENZYLAMMONIUM CHLORIDE □ USAF EL-78

TOXICITY DATA with REFERENCE:

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

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

DQQ200 CAS: 100-86-7 HR: 2
DIMETHYL BENZYL CARBINOL

mf: C₁₀H₁₄O mw: 150.24

PROP: Needles or white crystalline solid; floral odor. D: 0.972–0.977, mp: 24°, bp: 214–216°, flash p: 198°F. Sol in fixed oils, mineral oil, propylene glycol; insol in glycerin.

SYNS: BENZYL DIMETHYL CARBINOL □ α,α-DIMETHYLPHENETHYL ALCOHOL □ 1,1-DIMETHYL-2-PHENYLETHANOL □ DMBC □ FEMA No. 2393

TOXICITY DATA with REFERENCE:

orl-rat LD50:1280 mg/kg FCTXAV 2,327,64

orl-gpg LD50:988 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQQ375 HR: 2
DIMETHYL BENZYL CARBINYL ACETATE

mf: C₁₂H₁₆O₂ mw: 192.26

PROP: Colorless liquid to solid at room temp; floral, fruity odor. D: 0.995–1.002, refr index: 1.490–1.495, flash p: 212°F. Sol in fixed oils; sltly sol in propylene glycol; insol in water.

SYNS: α,α-DIMETHYLPHENETHYL ACETATE □ FEMA No. 2392

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

DQQ380 **HR: 2**
DIMETHYL BENZYL CARBINYL BUTYRATE

mf: C₁₄H₂₀O₂ mw: 220.31

PROP: Colorless liquid; prunelike odor. D: 0.960–0.981, refr index: 1.473–1.493 @ 25°, flash p: 151°F. Sol in alc, fixed oils; insol in water, propylene glycol.

SYNS: α,α-DIMETHYLPHENETHYL BUTYRATE □ FEMA No. 2394

SAFETY PROFILE: Combustible liquid. Use in accordance with good manufacturing practice.

DQQ400 **CAS: 67785-77-7** **HR: 1**
DIMETHYL BENZYL CARBINYL PROPIONATE

mf: C₁₃H₁₈O₂ mw: 206.31

SYNS: BENZYLISOPROPYL PROPIONATE □ α,α-DIMETHYLPHENETHYL ALCOHOL PROPIONATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 18,669,80

orl-rat LD50:>5 g/kg FCTXAV 18,669,80

skn-rbt LD50:>5 g/kg FCTXAV 18,669,80

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.

DQQ500 **CAS: 70-38-2** **HR: 1**
2,4-DIMETHYLBENZYLCHRYSANthemUMATE

mf: C₁₉H₂₆O₂ mw: 286.45

SYNS: CHRYSANTHEMUMIC ACID, 2,4-DIMETHYLBENZYL ESTER □ CHRYSANTHEMUMMONOCARBOXYLIC ACID, 2,4-DIMETHYLBENZYL ESTER □ ENT 21,170 □ CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYLPROPENYL)-, 2,4-DIMETHYLBENZYL ESTER □ DIMETHRIN □ 2,4-DIMETHYLBENZYL-(1)-cis-trans-CHRYSANTHEMUMATE □ 2,4-DIMETHYLBENZYL-2,2-DIMETHYL-3-(2-METHYLPROPENYL)CYCLOPROPANECARBOXYLATE □ 2,4-DIMETHYLBENZYL ESTER OF cis,trans-CHRYSANTHEMUMIC ACID □ 2,4-DIMETHYLBENZYLESTER KYSELINY CHRYSANTHEMOVE □ (2,4-DIMETHYLPHENYL)METHYL-2,2-DIMETHYL-3-(2-METHYL-1-PROPENYL)CYCLOPROPANECARBOXYLATE □ DIMETRIN □ ENT-21170

TOXICITY DATA with REFERENCE:

orl-rat LD50:40 g/kg 28ZEAL 5,79,1976

orl-mus LD50:10 g/kg GISAAA 33(5),116,1968

orl-rbt LD50:>15 g/kg SPEADM 78-1,5,1978

skn-rbt LD :>4900 mg/kg TXAPA9 6,112,1964

orl-gpg LD :>9800 mg/kg TXAPA9 6,112,1964

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

DQQ600 **CAS: 6280-75-7** **HR: 3**
N,N'-DI(α-METHYLBENZYL)ETHYLENEDIAMINE

mf: C₁₈H₂₂N₂ mw: 266.42

SYN: N,N'-BIS(α-METHYLBENZYL)ETHYLENEDIAMINE

TOXICITY DATA with REFERENCE:

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

eye-rbt 20 mg open SEV AMIHBC 10,61,54

orl-rat LD50:1290 mg/kg AMIHBC 10,61,54

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

skn-rbt LD50:530 mg/kg AMIHBC 10,61,54

SAFETY PROFILE: Poison by subcutaneous route.

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

DQQ700 **CAS: 42609-52-9** **HR: 1**
1-(α,α-DIMETHYLBENZYL)-3-METHYL-3-PHENYLUREA

mf: C₁₇H₂₀N₂O mw: 268.39

TOXICITY DATA with REFERENCE:

orl-rat LD50:6130 mg/kg SHBOAO 32,488,78

scu-rat LD50:7810 mg/kg SHBOAO 32,488,78

orl-mus LD50:6830 mg/kg SHBOAO 32,488,78

scu-mus LD50:7600 mg/kg SHBOAO 32,488,78

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

DQR200 **CAS: 506-63-8** **HR: 3**
DIMETHYL BERYLLIUM

mf: C₂H₆Be mw: 39.09

PROP: White needles or crystals. Bp: sublimes @ 200°.

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 58,41,93; Human Sufficient Evidence IMEMDT 58,41,93; Animal Sufficient Evidence IMEMDT 1,17,72; Animal Sufficient Evidence IMEMDT 23,143,80; Animal Sufficient Evidence IMEMDT 58,41,93. Beryllium and its compounds are on the Community Right-To-Know List.

OSHA PEL: TWA 0.002 mg(Be)/m³; STEL 0.005 mg(Be)/m³/30M; CL 0.025 mg(Be)/m³

ACGIH TLV: TWA 0.002 mg(Be)/m³; Confirmed Human Carcinogen; (Proposed: TWA 0.0002 mg(Be)/m³ (sensitizer); Confirmed Human Carcinogen)

SAFETY PROFILE: Confirmed human carcinogen. A poison. Flammable when exposed to heat or flame; can react with oxidizing materials. Explosive reaction on contact with water. Ignites on contact with moist air or carbon dioxide. Upon decomposition it emits highly toxic fumes of BeO. See also BERYLLIUM COMPOUNDS.

DQR289 **HR: 3**
DIMETHYLBERYLLIUM-1,2-DIMETHOXY-ETHANE

mf: C₂H₆Be•C₄H₁₀O₂ mw: 129.21

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 58,41,93; Human Sufficient Evidence IMEMDT 58,41,93; Animal Sufficient Evidence IMEMDT 1,17,72; Animal Sufficient Evidence IMEMDT 23,143,80; Animal Sufficient Evidence IMEMDT

58,41,93. Beryllium and its compounds are on the Community Right-To-Know List.

OSHA PEL: TWA 0.002 mg(Be)/m³; STEL 0.005 mg(Be)/m³/30M; CL 0.025 mg(Be)/m³

ACGIH TLV: TWA 0.002 mg(Be)/m³; Confirmed Human Carcinogen; (Proposed: TWA 0.0002 mg(Be)/m³ (sensitizer); Confirmed Human Carcinogen)

SAFETY PROFILE: Confirmed human carcinogen. Ignites spontaneously in air. Upon decomposition it emits highly toxic fumes of BeO. See also BERYLLIUM COMPOUNDS.

DQR350 CAS: 81-26-5 HR: 3
2,2'-DIMETHYL-1,1'-BIANTHRAQUINONE

mf: C₃₀H₁₈O₄ mw: 442.48

SYNS: 1,1'-BIANTHRACENE-9,9',10,10'-TETRAONE, 2,2'-DIMETHYL- □ 2,2'-DIMETHYL-1,1'-BIANTHRACENE-9,9',10,10'-TETRAONE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04855

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating vapors.

DQR600 CAS: 657-24-9 HR: 3
1,1-DIMETHYLBIGUANIDE

mf: C₄H₁₁N₅ mw: 129.20

PROP: IDLH 3 mg/m³.

SYNS: N,N-DIMETHYLBIGUANIDE □ N,N-DIMETHYLDIGUANIDE □ FLUMAMINE □ GLUCOPHAGE □ GLUCOPHAGE LA 6023 □ GLUCOPHAGE □ LA 6023 □ MELBIN □ METFORMIN □ NNDG

TOXICITY DATA with REFERENCE:

cyt-ham:lng 2 g/L/48H GMCRCDC 27,95,81

orl-rat TDLo:6 g/kg (1-12D preg):TER COREAF 253,321,61

scu-mus LD50:230 mg/kg AITDAQ 2,1,54

ipr-mus LD50:247 mg/kg JMCAR 10,521,67

scu-gpg LD50:146 mg/kg MEXPAG 8,237,63

par-frg LD50:5000 mg/kg AITDAQ 2,1,54

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. Mildly toxic by parenteral route. Experimental teratogenic effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DQR800 CAS: 1115-70-4 HR: 3
1,1-DIMETHYLBIGUANIDE HYDROCHLORIDE

mf: C₄H₁₁N₅•ClH mw: 165.66

PROP: Prisms from H₂O. Mp: 232°. Sol in H₂O and EtOH; insol in Et₂O.

SYNS: DIABEFAGOS □ DIMETHYLBIGUANIDE HYDROCHLORIDE □ N,N-DIMETHYLMIMODICARBONIMIDIC DIAMIDE MONOHYDROCHLORIDE □ GLUCOPHAGE □ HAURYMELLIN □ MEGUAN □ METFORMIN HYDROCHLORIDE □ METIGUANIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTOD7 20,563,82

eye-rbt 100 mg MLD FCTOD7 20 573,82

eye-rbt 100 mg/4S rns MLD FCTOD7 20,573,82

orl-rat LD50:1 g/kg MEIEDD 10,849,83

scu-rat LD50:300 mg/kg MEIEDD 10,849,83

orl-mus LD50:1450 mg/kg NIIRDN 6,841,82

ipr-mus LD50:420 mg/kg NIIRDN 6,841,82

scu-mus LD50:620 mg/kg NIIRDN 6,841,82

ivn-mus LD50:180 mg/kg CSLNX* NX#04012

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

DQS000 CAS: 91-97-4 HR: 3
3,3'-DIMETHYL-4,4'-BIPHENYLENE DIISOCYANATE

mf: C₁₆H₁₂N₂O₂ mw: 264.30

PROP: Crystals from chlorobenzene. Mp: 70°.

SYNS: 4,4'-DIISOCYANATO-3,3'-DIMETHYL-1,1'-BIPHENYL □ ISOCYANIC ACID, 3,3'-DIMETHYL-4,4'-BIPHENYLENE ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#02412

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

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

DQS100 CAS: 1134-35-6 HR: 3
4,4'-DIMETHYL-2,2'-BIPYRIDINE

mf: C₁₂H₁₂N₂ mw: 184.26

SYN: 2,2'-BIPYRIDINE, 4,4'-DIMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:78,700 µg/kg TOXIA6 23,815,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQS600 CAS: 63977-49-1 HR: 3
DIMETHYL-BIS(β-CHLOROETHYL)AMMONIUM CHLORIDE

mf: C₆H₁₄Cl₂N•Cl mw: 206.56

SYNS: 2-CHLORO-N-(2-CHLOROETHYL)-N,N-DIMETHYLETHANAMINIUM CHLORIDE □ TL 379

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:1700 mg/m³/10M NDRC** NDCrc-132,Sept,42

ipr-mus LD50:67 mg/kg CANCAR 2,1055,49

scu-mus LDLo:100 mg/kg JPETAB 91,224,47

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by inhalation. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and NH₃.

DQT000 HR: 3
DIMETHYLBISMUTH CHLORIDE

mf: C₂H₆BiCl mw: 274.50

SAFETY PROFILE: Ignites spontaneously in air when warmed. When heated to decomposition it emits toxic fumes of Bi and Cl⁻. See also BISMUTH COMPOUNDS and CHLORIDES.

DQT100 CAS: 14652-09-6 HR: 3
N,N-DIMETHYL-(2-BROMOETHYL)HYDRAZINIUM BROMIDE

mf: C₄H₁₂BrN₂•Br mw: 248.00

SYN: N,N-DIMETHYL-(2-BROMOETHYL)HYDRAZINIUM BROMIDE □ BMII □ 1-(2-BROMOETHYL)-1,1-DIMETHYL-HYDRAZONIUM BROMIDE □ HYDRAZONIUM, 1-(2-BROMOETHYL)-1,1-DIMETHYL-, BROMIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:230 mg/kg ABMGJ 27,663,71

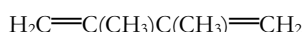
ipr-mus LD50:315 mg/kg ABMGJ 27,663,71

ivn-mus LD50:72 mg/kg ABMGJ 27,663,71

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

DQT150 CAS: 513-81-5 HR: 3
2,3-DIMETHYL-1,3-BUTADIENE

mf: C₆H₁₀ mw: 82.14



PROP: Liquid. D: 0.726 @ 20°/4°, bp: 69–70°.

SAFETY PROFILE: Forms explosive polymeric peroxides on exposure to air. Explodes on contact with thiazyl fluoride. Ignites on contact with oxygen + ozone above -78°C. When heated to decomposition it emits acrid smoke and fumes.

DQT200 CAS: 75-83-2 HR: 3
2,2-DIMETHYLBUTANE

mf: C₆H₁₄ mw: 86.20

PROP: Liquid. Bp: 49.7°, mp: -98.2°, flash p: -54°F, fp: -101.9°, d: 0.649, autoign temp: 797°F, vap press: 400 mm @ 31.0°, vap d: 3.00, lel: 1.2%, uel: 7.0%.

SYN: NEOHEXANE (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 500 ppm; STEL 1000 ppm

ACGIH TLV: TWA 500 ppm; STEL 1000 ppm

DFG MAK: 200 ppm (720 mg/m³)

NIOSH REL: (Alkanes) TWA 350 mg/m³

SAFETY PROFILE: Probably an irritant and narcotic in high concentration. A very dangerous fire and explosion hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Keep away from heat or open flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

DQT400 CAS: 79-29-8 HR: 3
2,3-DIMETHYLBUTANE

DOT: UN 2457

mf: C₆H₁₄ mw: 86.20

PROP: Liquid. Mp: -135°, bp: 58.0°, flash p: -20°F, d: 0.662 @ 20°/4°, autoign temp: 788°F, vap press: 400 mm @ 39.0°, vap d: 3.0, lel: 1.2%, uel: 7.0%.

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 500 ppm; STEL 1000 ppm

ACGIH TLV: TWA 500 ppm; STEL 1000 ppm

DFG MAK: 200 ppm (720 mg/m³)

NIOSH REL: TWA (Alkanes) 350 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Probably an irritant and narcotic in high concentration. A very dangerous fire and explosion hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

DQT500 CAS: 5701-82-6 HR: D
4,4'-(2,3-DIMETHYL-1,4-BUTANEDIYL)BIS(1,2-DIMETHOXYBENZENE

mf: C₂₂H₃₀O₄ mw: 358.48

TOXICITY DATA with REFERENCE:

dni-hmn-oth 50 μmol/L/24H CALEDQ 171,47,2001

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

DQT800 HR: 3
2,2-DIMETHYL-3-BUTANONE

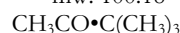
mf: C₆H₁₂O mw: 100.16

PROP: Flash p: 53.6°F.

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

DQU000 CAS: 75-97-8 HR: 2
3,3-DIMETHYL-2-BUTANONE

mf: C₆H₁₂O mw: 100.18



PROP: Liquid with camphoraceous odor. Bp: 106.0–106.1°, flash p: 53.6°F.

SYNS: tert-BUTYL METHYL KETONE □ KETONE, t-BUTYL METHYL □ METHYL tert-BUTYL KETONE □ METHYLtert-BUTYL KETONE □ PINACOLIN □ PINACOLINE □ PINACOLONE □ PINAKOLIN □ PINAKOLIN (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:610 mg/kg GISAAA 52(12),91,87

orl-mus LD50:1625 mg/kg GISAAA 52(12),91,87

ihl-mus LC50:5700 mg/m³ GISAAA 52(12),91,87

orl-rbt LD50:900 mg/kg GISAAA 52(12),91,87

scu-gpg LDLo:700 mg/kg MEIEDD 10,1072,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. Slightly toxic by inhalation. A dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

DQU200 CAS: 3625-18-1 HR: 3
5-(1,3-DIMETHYL-2-BUTENYL)-5-ETHYL BARBITURIC ACIDmf: C₁₂H₁₈N₂O₃ mw: 238.32**SYNS:** 5-(1,3-DIMETHYL-2-BUTENYL)-5-ETHYL-2,4,6(1H,3H,5H)PYRIMIDINETRIONE □ MCNEIL 481**TOXICITY DATA with REFERENCE:**

orl-mus LD50:18 mg/kg 27ZQAG -,177,72
 ipr-mus LD50:3500 µg/kg PMDCAY 8,61,71
 orl-dog LD50:2 mg/kg 27ZQAG -,177,72
 ivn-dog LDLo:250 µg/kg 27ZQAG -,177,72
 ivn-rbt LDLo:250 µg/kg 27ZQAG -,177,72

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

DQU400 CAS: 36798-79-5 HR: 2
1-(2-(1,3-DIMETHYL-2-BUTENYLIDENE)-HYDRAZINO)PHTHALAZINEmf: C₁₄H₁₆N₄ mw: 240.34**PROP:** A solid. Mp: 132–133°.

SYNS: BUDRALAZINE □ BUTERAZINE □ DJ-1461 □ MESITYL OXIDE (1-PHTHALAZINYL)HYDRAZONE □ 4-METHYL-3-PENTEN-2-ONE (1-PHTHALAZINYL)HYDRAZONE □ 1(2H)-PHTHALAZINONE (1,3-DIMETHYL-2-BUTENYLIDENE)HYDRAZONE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:55 mg/kg (7-17D preg):REP OYYAA2 21,321,81
 orl-rat LD50:620 mg/kg TXAPA9 44,431,78
 ipr-rat LD50:3570 mg/kg TXAPA9 44,431,78
 orl-mus LD50:1820 mg/kg TXAPA9 44,431,78
 ipr-mus LD50:4020 mg/kg TXAPA9 44,431,78

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. An antihypertensive agent. When heated to decomposition it emits toxic fumes of NO_x.

DQU600 CAS: 108-09-8 HR: 3
1,3-DIMETHYLBUTYLAMINE**DOT:** UN 2379mf: C₆H₁₅N mw: 101.22**PROP:** A liquid. Bp: 106–109°, flash p: 55°F (OC), d: 0.750 @ 20°/20°.**SYN:** 1,3-DIMETHYLBUTYLAMINE (DOT)**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:600 mg/kg SCCUR* -,4,61
 orl-mus LD50:470 mg/kg SCCUR* -,4,61
 ihl-mus LCLo:1278 ppm/15M SCCUR* -,4,61
 ivn-mus LD50:80 mg/kg CSLNX* NX#03558
 skn-rbt LDLo:600 mg/kg SCCUR* -,4,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and skin contact. Mildly toxic by inhalation. A dangerous fire and explosion hazard when exposed to heat or flame; can react vigorously 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.

DQU800 CAS: 98-19-1 HR: 1
1,3-DIMETHYL-5-tert-BUTYLBENZENEmf: C₁₂H₁₈ mw: 162.30**PROP:** A liquid. D: 0.866 @ 20°, mp: –17, bp: 200–202°.**SYN:** 5-tert-BUTYL-m-XYLENE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5000 mg/kg 28ZRAQ -,58,60

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQV000 CAS: 17874-34-9 HR: 1
4,6-DIMETHYL-8-tert-BUTYLCOUMARIN**SYN:** 8-tert-BUTYL-4,6-DIMETHYLCOUMARIN**TOXICITY DATA with REFERENCE:**

skn-gpg 100% MLD FCTXAV 18,671,80
 orl-mus LD50:>5 g/kg FCTXAV 18,671,80
 skn-gpg LD50:>5 g/kg FCTXAV 18,671,80

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 toxic fumes of NO_x.

DQV200 CAS: 6592-90-1 HR: 3
5-(1,3-DIMETHYLBUTYL)-5-ETHYL BARBITURIC ACID, SODIUM SALTmf: C₁₂H₁₉N₂O₃•Na mw: 262.32**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:20 mg/kg JAPMA8 29,509,40
 scu-rat LD50:22 mg/kg QJPPAL 12,657,39
 par-rat LDLo:10 mg/kg JACSAT 58,585,36
 ipr-mus LD50:24 mg/kg QJPPAL 12,657,39
 scu-mus LD50:27 mg/kg QJPPAL 12,657,39
 ivn-rbt LD50:20 mg/kg QJPPAL 12,657,39
 ivn-gpg LD50:22 mg/kg QJPPAL 12,657,39

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, intravenous and parenteral routes. When heated to decomposition it emits toxic fumes of NO_x and Na₂O. See also BARBITURATES.

DQV250 CAS: 793-24-8 HR: 2
N-(1,3-DIMETHYLBUTYL)-N'-PHENYL-p-PHENYLENEDIAMINEmf: C₁₈H₂₄N₂ mw: 268.44

SYNS: ANTOZITE 67 □ ANTOZITE 67E □ NCI-C56315 □ p-PHENYLENEDIAMINE, N-(1,3-DIMETHYLBUTYL)-N'-PHENYL- □ SANTOFLEX 13 □ VULKANOX 4020

TOXICITY DATA with REFERENCE:

orl-rat LD50:3580 mg/kg JACTDZ 1,67,90
 skn-rbt LD50:>7940 mg/kg JACTDZ 1,67,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DQV300 CAS: 760-79-2 HR: 2

N,N-DIMETHYLBUTYRAMIDEmf: C₆H₁₃NO mw: 115.20**SYN:** BUTYRAMIDE, N,N-DIMETHYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:2110 mg/kg AIHAAP 32,539,71

ivn-mus LD50:1620 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:790 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x.**DQW600 CAS: 1607-30-3 HR: 3
DI-2-METHYLBUTYRYL PEROXIDE**mf: C₁₀H₁₈O₄ mw: 202.25(CH₃CH₂CH(CH₃)CO•O—)₂**SAFETY PROFILE:** The pure material is unstable and explodes at room temperature. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DQW800 CAS: 506-82-1 HR: 3
DIMETHYLCADMIUM**mf: C₂H₆Cd mw: 142.47**PROP:** Oil or liquid; decomp by water; foul odor. D: 1.984, mp: -2.4°, bp: 106°.**CONSENSUS REPORTS:** Cadmium and its compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 5 µg(Cd)/m³**ACGIH TLV:** TWA 0.002 mg(Cd)/m³ (respirable dust), Suspected Human Carcinogen; BEI: 5 µg/g creatinine in urine; 5 µg/L in blood**DFG MAK:** DFG BAT: Blood 1.5 µg/dL; Urine 15 µg/dL; Suspected Carcinogen**NIOSH REL:** (Cadmium) Reduce to lowest feasible level**SAFETY PROFILE:** Confirmed human carcinogen. Contact with air produces the friction-sensitive explosive dimethyl cadmium peroxide. Explodes when heated above 150°C. Ignition may occur on contact with air if the surface area is large. See also CADMIUM COMPOUNDS.**DQX000 CAS: 14433-76-2 HR: 3
N,N-DIMETHYLCAPRAMIDE**mf: C₁₂H₂₅NO mw: 199.38**SYN:** N,N-DIMETHYLDECANAMIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg AIHAAP 32,539,71

ivn-mus LD50:40 mg/kg AIHAAP 32,539,71

ipr-rbt LD50:2000 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:29 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**DQX200 CAS: 5830-30-8 HR: 3
N,N-DIMETHYLCAPROAMIDE**mf: C₈H₁₇NO mw: 143.26**SYN:** N,N-DIMETHYLHEXANAMIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:425 mg/kg AIHAAP 32,539,71

ivn-mus LD50:90 mg/kg AIHAAP 32,539,71

orl-rbt LD50:1100 mg/kg AIHAAP 32,539,71

ipr-rbt LD50:520 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:64 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**DQX300 CAS: 3938-45-2 HR: 3
N,N-DIMETHYLCARBAMIC ACID, m-
ISOPROPYL PHENYL ESTER**mf: C₁₂H₁₇NO₂ mw: 207.30**SYN:** CARBAMIC ACID, N,N-DIMETHYL-, m-ISOPROPYLPHENYL ESTER**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:160 mg/kg AIHAAP 23,95,62

skn-rbt LD50:280 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x.**DQX800 CAS: 63884-71-9 HR: 3
DIMETHYLCARBAMIC ESTER of HORDENINE
HYDROCHLORIDE**mf: C₁₃H₂₀N₂O₂•ClH mw: 272.81**SYNS:** AR-41 □ N,N-DIMETHYLCARBAMIC ACID-4-(β-DIMETHYLAMINOETHYL)PHENYL ESTER, HYDROCHLORIDE □ N,N-DIMETHYLCARBAMIC ACID-p-(β-DIMETHYL-AMINOETHYL)PHENYL ESTER, HYDROCHLORIDE □ N,N-DIMETHYL-p-(N',N'-DIMETHYLCARBAMOXYLOXY)-PHENETHYLAMINE, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:75 mg/kg JPETAB 43,413,31

ivn-mus LD80:15 mg/kg NTIS** PB158-508

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also ESTERS and CARBAMATES.**DQY000 CAS: 63884-67-3 HR: 3
DIMETHYLCARBAMIC ESTER of 2-OXY-
BENZYLDIETHYLAMINE HYDROCHLORIDE**mf: C₁₄H₂₂N₂O₂•ClH mw: 286.84**SYN:** DIMETHYLCARBAMIC ACID-(α-(DIETHYLAMINO))-o-TOLYL ESTER, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:5 mg/kg JPETAB 43,413,31

ivn-mus LDLo:1500 µg/kg NTIS** PB158-508

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also ESTERS and CARBAMATES.**DQY400 CAS: 63680-76-2 HR: 3**

DIMETHYLCARBAMIC ESTER of 8-OXY-METHYLQUINOLINIUM METHYLSULFATEmf: $C_{13}H_{15}N_2O_2 \cdot CH_3O_4S$ mw: 342.40**SYNS:** N,N-DIMETHYLCARBAMIC ACID-8-QUINOLINYL ESTER METHOSULFATE □ 8-HYDROXY-1-METHYLQUINOLINIUM METHYLSULFATE DIMETHYLCARBAMATE**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:200 mg/kg JPETAB 43,413,31

ivn-mus LDLo:500 µg/kg JPETAB 43,413,31

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x . See also ESTERS and CARBAMATES.**DQY909 CAS: 51-60-5 HR: 3
3-(DIMETHYLCARBAMOXY)PHENYL
TRIMETHYLAMMONIUM METHYL SULFATE**mf: $C_{12}H_{19}N_2O_2 \cdot CH_3O_4S$ mw: 334.43**PROP:** Crystals from EtOH. Mp: 142–145°.**SYNS:** AR-32 □ N,N-DIMETHYLCARBAMIC ACID-3-DIMETHYLAMINOPHENYL ESTER METHOSULFATE □ DIMETHYLCARBAMIC ACID ESTER with (m-HYDROXY-PHENYL)TRIMETHYLAMMONIUM METHYL SULFATE □ N,N-DIMETHYLCARBAMIC ACID-3-(TRIMETHYLAMMONIO)-PHENYL ESTER METHYLSULFATE □ DIMETHYLCARBAMIC ESTER of 3-OXYPHENYLTRIMETHYLAMMONIUM METHYLSULFATE □ (3-(DIMETHYLCARBAMOXYLOXY)-PHENYL)TRIMETHYLAMMONIUM METHYLSULFATE □ EUSTIGMIN METHYLSULFATE □ HODOSTIN □ (m-HYDROXYPHENYL)TRIMETHYLAMMONIUM METHYL SULFATE DIMETHYLCARBAMATE □ (3-HYDROXYPHENYL)-TRIMETHYLAMMONIUM METHYL SULFATE DIMETHYLCARBAMIC ESTER □ KIRKSTIGMINE METHYL SULFATE □ LEOSTIGMINE METHYL SULFATE □ NEOESERINE METHYL SULFATE □ NEOSTIGMETH □ NEOSTIGMINE METHOSULFATE □ NEOSTIGMINE METHYL SULFATE □ NEOSTIGMINE MONOMETHYLSULFATE □ NORMASTIGMIN □ PHILOSTIGMIN METHYL SULFATE □ POLSTIGMINE □ PROSERIN □ PROSERINE METHYL SULFATE □ PROSTIGMINE METHYLSULFATE □ SB-23 □ STIGMANOL METHYL SULFATE □ STIGMOSAN METHYL SULFATE □ SYNTHOSTIGMINE METHYL SULFATE □ TL-1394 □ VAGOSTIGMINE METHYL SULFATE**TOXICITY DATA with REFERENCE:**

scu-rat LD50:334 µg/kg TXAPA9 25,569,73

orl-mus LD50:7500 µg/kg JPETAB 99,16,50

ipr-mus LD50:230 µg/kg ATXKA8 29,39,72

scu-mus LD50:420 µg/kg JPETAB 99,16,50

ivn-mus LD50:160 µg/kg JPETAB 99,16,50

scu-dog LD50:50 µg/kg NTIS** PB158-508

scu-cat LDLo:50 µg/kg NTIS** PB158-508

ims-rbt LD50:310 µg/kg AIPTAK 81,276,50

SAFETY PROFILE: A deadly poison by ingestion, intravenous, subcutaneous, intraperitoneal, and intramuscular routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x , NH_3 , and NO_x . See also CARBAMATES.**DQY925 CAS: 22041-44-7 HR: 3
(4-DIMETHYLCARBAMOYLBUTYL)TRIMETHYLAMMONIUM IODIDE**mf: $C_9H_{20}N_2O \cdot I$ mw: 299.21**SYN:** AMMONIUM, (4-DIMETHYLCARBAMOYLBUTYL)-TRIMETHYL-, IODIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:6 mg/kg BJPCBM 34,345,1968

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x and I^- .**DQY950 CAS: 79-44-7 HR: 3
DIMETHYLCARBAMOYL CHLORIDE****DOT:** UN 2262mf: C_3H_6ClNO mw: 107.55**PROP:** Liquid. Mp: -33°, bp: 165–167°, d: 1.678 @ 20°/4°, vap d: 3.73.**SYNS:** CARBAMIC ACID, DIMETHYL-(9CI) □ CARBAMYL CHLORIDE, N,N-DIMETHYL- □ CHLORID KYSELINY DIMETHYLKARBAMINOVE □ CHLOROFORMIC ACID DIMETHYLAMIDE □ DDC □ DIMETHYLAMID KYSELINY CHLORMRAVENCI □ (DIMETHYLAMINO)CARBONYL CHLORIDE □ N,N-DIMETHYLAMINOCARBONYL CHLORIDE □ DIMETHYLCARBAMIC ACID CHLORIDE □ N,N-DIMETHYLCARBAMIC ACID CHLORIDE □ DIMETHYLCARBAMIC CHLORIDE □ DIMETHYLCARBAMIDOYL CHLORIDE □ N,N-DIMETHYLCARBAMIDOYL CHLORIDE □ N,N-DIMETHYLCARBAMOYL CHLORIDE □ DIMETHYLCARBAMOYL CHLORIDE (ACGIH, DOT) □ DIMETHYLCARBAMYL CHLORIDE □ N,N-DIMETHYLCARBAMYL CHLORIDE □ DIMETHYLCHLOROFORMAMIDE □ DIMETHYLKARBAMOYLCHLORID □ DMCC □ RCRA WASTE NUMBER U097 □ TL 389**TOXICITY DATA with REFERENCE:**

mma-sat 300 µg/plate ENMUDM 6(Suppl 2),1,84

mmo-esc 100 µg/plate ENMUDM 6(Suppl 2),1,84

ipr-mus TDLo:2560 mg/kg/64W-I:NEO JJIND8 53,695,74

orl-rat LD50:1 g/kg ZAARAM 24,71,74

ihl-rat LC50:180 ppm/6H JEPTDQ 4(1),107,80

ihl-mus LCLo:1000 mg/m³/10M NDRC** NDCrc-132,Oct42

ipr-mus LD50:300 mg/kg

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,199,87; Animal Sufficient Evidence IMEMDT 12,77,76; Human Inadequate Evidence IMEMDT 12,77,76. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.**ACGIH TLV:** Suspected Human Carcinogen**DFG MAK:** Animal Carcinogen, Suspected Human Carcinogen**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by intraperitoneal route. Moderately toxic by inhalation and ingestion. Human mutation data reported. Can cause skin and papillary tumors by skin contact, and squamous cell carcinoma by inhalation. Will react with water or steam to produce toxic and corrosive fumes. A powerful lachrymator. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also CHLORIDES.**DQZ000 CAS: 644-64-4 HR: 3
1-DIMETHYLCARBAMOYL-5-METHYL-3-PYRAZOLYL DIMETHYLCARBAMATE**

mf: C₁₀H₁₆N₄O₃ mw: 240.30**PROP:** A solid. Mp: 68–71°. Very sol in H₂O.

SYNS: DIMETHYLCARBAMIC ACID-1-((DIMETHYLAMINO)CARBONYL)-5-METHYL-1H-PYRAZOL-3-YL ESTER □ DIMETHYLCARBAMIC ACID ESTER with 3-HYDROXY-N,N,5-TRIMETHYLPYRAZOLE-1-CARBOXAMIDE □ DIMETHYLCARBAMIC ACID-5-METHYL-1H-PYRAZOL-3-YL ESTER □ 2-DIMETHYLCARBAMOYL-3-METHYLPYRAZOLYL-(5)-N,N-DIMETHYLCARBAMAT □ 2-DIMETHYLCARBAMOYL-3-METHYL-5-PYRAZOLYL DIMETHYLCARBAMATE □ 2-(N,N-DIMETHYLCARBAMYL)-3-METHYLPYRAZOLYL-5 N,N-DIMETHYLCARBAMATE □ DIMETHYL 2-CARBAMYL-3-METHYLPYRAZOLYLDIMETHYLCARBAMATE (GERMAN) □ DIMETILAN □ DIMETILANE □ ENT 25,595-X □ ENT 25,922 □ GEIGY 22870 □ 3-HYDROXY-N,N,5-TRIMETHYLPYRAZOLE-1-CARBOXAMIDE DIMETHYLCARBAMATE (ESTER) □ 5-METHYL-1H-PYRAZOL-3-YL DIMETHYLCARBAMATE □ SNIP □ SNIP FLY □ SNIP FLY BANDS

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 mg/kg PHJOAV 185,361,60
 skn-rat LD50:600 mg/kg PHJOAV 185,361,60
 orl-mus LD50:60 mg/kg GUCHAZ 6,222,73
 ipr-mus LD50:12 mg/kg BECTA6 2,163,67
 skn-rbt LD50:2000 mg/kg PCOC** -,393,66
 orl-gpg LD50:63 mg/kg 85DPAN -, -,71/76

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. An insecticide. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

DRB200 CAS: 611-92-7 HR: 2
N,N'-DIMETHYL CARBANILIDE

mf: C₁₅H₁₆N₂O mw: 240.33**PROP:** A solid. Mp: 122°.

SYNS: CENTRALITE II □ N,N'-DIMETHYL-N,N'-DIPHENYL-UREA □ METHYL CENTRALITE □ UREA, N,N'-DIMETHYL-N,N'-DIPHENYL-(9CI)

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRB400 CAS: 5826-73-3 HR: 2
DIMETHYL CARBATE

mf: C₁₁H₁₄O₄ mw: 210.25**PROP:** Crystals when very pure; usually a syrup. Mp: 38°, bp: 139° @ 12.5 mm.

SYNS: cis-BICYCLO(2.2.1)HEPT-5-ENE-2,3-DICARBOXYLIC ACID, DIMETHYL ESTER □ (endo,endo)-BICYCLO(2.2.1)HEPT-5-ENE-2,3-DICARBOXYLIC ACID DIMETHYL ESTER □ cis-BICYCLO(2,2,1-HEPTENE-2,3-DICARBOXYLIC ACID) METHYL ESTER □ COMPOUND-3916 □ DIMALONE □ DIMELONE □ DIMETHYL cis-BICYCLO(2,2,1)-5-HEPTENE-2,3-DICARBOXYLATE □ cis-3,6-ENDOMETHYLENE-Δ⁴-TETRAHYDROPHthalic ACID DIMETHYL ESTER □ NISY □ cis-5-NORBORNENE-2,3-DICARBOXYLIC ACID DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg AJOPAA 29,1363,46

orl-rat LD50:1000 mg/kg GUCHAZ 6,211,73

orl-mus LD50:1400 mg/kg JPETAB 93,26,48

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. An insect repellent. Combustible. When heated to decomposition it emits acrid smoke and irritating fumes.

DRB600 CAS: 2088-72-4 HR: 3
O,O-DIMETHYL-S-CARBOETHOXYMETHYL THIOPHOSPHATE

mf: C₆H₁₃O₅PS mw: 228.22**PROP:** A liquid. Bp: 76–80° @ 0.01 mm.

SYNS: ((DIMETHOXYPHOSPHINYL)THIO)ACETIC ACID ETHYL ESTER □ O,O-DIMETHYL-S-(CARBETHOXY)METHYL PHOSPHOROTHIOLATE □ O,O-DIMETHYL ESTER PHOSPHOROTHIOIC ACID-S-ESTER with ETHYL MERCAPTO-ACETATE □ METHYLACETAPHOS □ METHYL ACETOPHOS □ METHYL ACETOXON

TOXICITY DATA with REFERENCE:

orl-rat LD50:385 mg/kg HYSAAV 31,18,66
 skn-rat LD50:220 mg/kg GISAAA 33(8),107,68
 unr-rat LD50:1000 mg/kg 30ZDA9 -,351,71
 orl-mus LD50:314 mg/kg GISAAA 33(8),107,68

SAFETY PROFILE: Poison by ingestion and skin contact. Moderately toxic by unspecified route. When heated to decomposition it emits very toxic fumes of PO_x and SO_x. See also ESTERS.

DRB800 CAS: 64038-38-6 HR: 2
7,11-DIMETHYL-10-CHLOROBENZ(c)ACRIDINE

mf: C₁₉H₁₄ClN mw: 291.79

SYNS: 2-CHLORO-1,10-DIMETHYL-7,8-BENZACRIDINE (FRENCH) □ 1,10-DIMETHYL-2-CHLORO-7,8-BENZACRIDINE (FRENCH)

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

DRC000 CAS: 4584-46-7 HR: 3
DIMETHYL(2-CHLOROETHYL)AMINE HYDROCHLORIDE

mf: C₄H₁₀ClN•ClH mw: 144.06

SYNS: 2-CHLORO-N,N-DIMETHYLETHYLAMINE HYDROCHLORIDE □ DIMETHYL-β-CHLOROETHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/L ENMUDM 3,33,81
 mmo-esc 1 μmol/L JPPMAB 31,67P,79
 sln-dmg-orl 1700 mmol/L MUREAV 95,237,82
 dns-rat:lv 5 μmol/L ENMUDM 3,33,81
 ipr-mus LD50:280 mg/kg CANCAR 2,1055,49
 scu-mus LD50:250 mg/kg JPETAB 97,25,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.

DRC400 CAS: 13508-53-7 HR: 2
DIMETHYLCHLOROMETHYLETHOXSILANE

mf: C₅H₁₃ClOSi mw: 152.72**SYN:** DIMETHYL-CHLORMETHYL-ETHOXSILAN (CZECH)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 28ZPAK -,217,72

eye-rbt 500 mg/24H MOD 28ZPAK -,217,72

orl-rat LD50:1550 mg/kg 28ZPAK -,217,72

ihl-rat LCLo:2560 ppm/4H 28ZPAK -,217,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and inhalation. A skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻.**DRC500 HR: 3
DIMETHYL-2-CHLORO-4-NITROPHENYL-
THIONOPHOSPHATE**mf: C₈H₉ClNO₅PS mw: 297.65
(CH₃O)₂P(S)OC₆H₃(Cl)NO₂**SAFETY PROFILE:** Ignites during thermal decomposition when heated to 270°C. When heated to decomposition it emits toxic fumes of Cl⁻, NO_x, PO_x and SO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DRC600 CAS: 10389-72-7 HR: 3
α,α-DIMETHYL-o-CHLOROPHENETHYLAMINE
HYDROCHLORIDE**mf: C₁₀H₁₄ClN•ClH mw: 220.16**PROP:** A solid. Mp: 245–246°.**SYNS:** 2-CHLORO-α,α-DIMETHYLBENZENEETHANIAMINE

HYDROCHLORIDE □ O-CHLORO-α,α-DIMETHYLPHENE-

THYLAMINE HYDROCHLORIDE □ CLORTERMIN

HYDROCHLORIDE □ S 77 □ SU-10568 □ VORANIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:332 mg/kg TXAPA9 18,185,71

ipr-rat LD50:92 mg/kg APTOA6 17,121,60

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DRC800 CAS: 3789-77-3 HR: 2
N,N-DIMETHYL-p-((m-CHLOROPHENYL)AZO)-
ANILINE**mf: C₁₄H₁₄ClN₃ mw: 259.76**SYN:** 3'-CHLORO-4-DIMETHYLAMINOAZOBENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DRD000 CAS: 3010-47-7 HR: 2
N,N-DIMETHYL-p-((o-CHLOROPHENYL)AZO)-
ANILINE**mf: C₁₄H₁₄ClN₃ mw: 259.76**SYN:** 2'-CHLORO-4-DIMETHYLAMINOAZOBENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DRD800 CAS: 63041-62-3 HR: 2
2,3-DIMETHYLCHOLANTHRENE**mf: C₂₂H₁₈ mw: 282.40**SYN:** 16:20-DIMETHYLCHOLANTHRENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DRD850 CAS: 85923-37-1 HR: 2
3,6-DIMETHYLCHOLANTHRENE**mf: C₂₂H₁₈ mw: 282.40**SYN:** BENZ[*g*]ACEANTHRYLENE, 1,2-DIHYDRO-3,6-DIMETHYL-(9CI)**TOXICITY DATA with REFERENCE:**

mma-ham:lng 50 µg/L CALEDQ 28,223,85

msc-ham:lng 100 µg/L PAACA3 24,94,83

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DRE000 CAS: 63041-61-2 HR: 2
15,20-DIMETHYLCHOLANTHRENE**mf: C₂₂H₁₈ mw: 282.40**SYN:** 1,3-DIMETHYLCHOLANTHRENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DRE200 CAS: 15914-23-5 HR: 2
1,2-DIMETHYLCHRYSENE**mf: C₂₀H₁₆ mw: 256.36**PROP:** Plates from C₆H₆. Mp: 263–264°.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic. When heated to decomposition it emits acrid smoke and irritating fumes. See also CHRYSENE.**DRE400 CAS: 52171-92-3 HR: 2
1,11-DIMETHYLCHRYSENE**mf: C₂₀H₁₆ mw: 256.36**SYN:** 5,7-DIMETHYLCHRYSENE**TOXICITY DATA with REFERENCE:**

mma-sat 20 µg/plate CNREA8 36,4525,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Mutation data reported. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also CHRYSENE.**DRE600 CAS: 63019-23-8 HR: 2
4,5-DIMETHYLCHRYSENE**mf: C₂₀H₁₆ mw: 256.36**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also CHRYSENE.**DRE800 CAS: 3697-27-6 HR: 2
5,6-DIMETHYLCHRYSENE**mf: C₂₀H₁₆ mw: 256.36**PROP:** Plates from C₆H₆/EtOH. Mp: 127–128°.

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

DRF000 CAS: 14207-78-4 HR: 2
5,11-DIMETHYLCHRYSENE

mf: C₂₀H₁₆ mw: 256.36

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

DRF200 CAS: 617-54-9 HR: 1
DIMETHYL CITRACONATE

mf: C₇H₁₀O₄ mw: 158.17

PROP: Bp: 210–211°.

SYNS: DIMETHYL METHYL MALEATE □ cis-2-METHYL-2-BUTENEDIOIC ACID, DIMETHYL ESTER □ METHYLMALEIC ACID, DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRF400 CAS: 675-09-2 HR: 2
4,6-DIMETHYLCOUMARIN

mf: C₈H₁₂O₂ mw: 140.20

PROP: A solid. Mp: 50–51°, bp: 140–142° @ 35 mm. IDLH 2300 ppm.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:750 mg/kg APTOA6 2,109,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. See also COUMARIN.

DRF600 CAS: 1467-79-4 HR: 3
DIMETHYLCYANAMIDE

mf: C₃H₆N₂ mw: 70.11

PROP: Colorless, mobile liquid. Mp: –41.0°, bp: 162–163°, flash p: 160°F (TCC), d: 0.8767 @ 30°, vap press: 40 mm @ 80°, vap d: 2.55.

TOXICITY DATA with REFERENCE:

orl-rat LD50:146 mg/kg GTPZAB 19(11),23,75

ihl-rat LC50:2500 mg/m³ GTPZAB 19(11),23,75

orl-mus LD50:73 mg/kg GTPZAB 19(11),23,75

ihl-mus LC50:2800 mg/m³ GTPZAB 19(11),23,75

skn-mus LD50:125 mg/kg GTPZAB 19(11),23,75

ipr-mus LD50:40 mg/kg NTIS** AD691-490

orl-gpg LD50:146 mg/kg GTPZAB 19,23,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, skin contact, and intraperitoneal routes. Moderately toxic by inhalation. Flammable when exposed to heat, flame, or oxidizers. Can

react with oxidizing materials. To fight fire, use foam, CO₂, or dry chemical. When heated to decomposition or in reaction with water or steam it produces toxic fumes of NO_x and CN[–] and flammable vapors. See also CYANIDE.

DRF709 CAS: 98-94-2 HR: 3
N,N-DIMETHYLCYCLOHEXANAMINE

DOT: UN 2264

mf: C₈H₁₇N mw: 127.26

SYNS: CYCLOHEXYLDIMETHYLAMINE □ N-CYCLOHEXYLDIMETHYLAMINE □ (DIMETHYLAMINO)CYCLOHEXANE □ N,N-DIMETHYLAMINOCYCLOHEXANE □ DIMETHYLCYCLOHEXYLAMINE □ N,N-DIMETHYLCYCLOHEXYLAMINE (DOT) □ POLYCAT 8

TOXICITY DATA with REFERENCE:

orl-rat LD50:348 mg/kg ZHYGAM 20,393,74

ihl-rat LC50:1889 mg/m³/2H GTPZAB 28(5),54,84

orl-mus LD50:320 mg/kg GTPZAB 28(5),54,84

ihl-mus LC50:1100 mg/m³/2H GTPZAB 28(5),54,84

orl-rbt LD50:620 mg/kg ZHYGAM 20,393,74

orl-gpg LD50:520 mg/kg ZHYGAM 20,393,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

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

DRF800 CAS: 583-57-3 HR: 3
cis-1,2-DIMETHYLCYCLOHEXANE

mf: C₈H₁₆ mw: 112.22

PROP: Flash p: 61.8°F.

SYNS: o-DIMETHYLCYCLOHEXANE □ 1,2-DIMETHYLCYCLOHEXANE (DOT)

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

DRG000 CAS: 591-21-9 HR: 3
1,3-DIMETHYLCYCLOHEXANE

mf: C₈H₁₆ mw: 112.22

PROP: Flash p: 42.8°F.

SYN: m-DIMETHYLCYCLOHEXANE

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

DRG200 CAS: 589-90-2 HR: 3
1,4-DIMETHYLCYCLOHEXANE

mf: C₈H₁₆ mw: 112.24

PROP: Liquid. Mp: 86°, bp: 119.5°, flash p: 50°F (CC), d: 0.77, vap press: 10 mm @ 10.2°, vap d: 3.86.

SAFETY PROFILE: Dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical.

DRG400 HR: 3
trans-1,2-DIMETHYLCYCLOHEXANE

mf: C₈H₁₆ mw: 112.22

PROP: Flash p: 41.6°F.

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

DRG600 **HR: 2**

trans-1,4-DIMETHYLCYCLOHEXANE

mf: C₈H₁₆ mw: 112.22

PROP: Flash p: 60.8°F.

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

DRG700 **CAS: 27939-60-2** **HR: 2**

DIMETHYL-3-CYCLOHEXENE-1-CARBOX-ALDEHYDE

mf: C₉H₁₄O mw: 138.23

SYN: 3-CYCLOHEXENE-1-CARBOXALDEHYDE, DIMETHYL-
TOXICITY DATA with REFERENCE:

orl-rat LD50:3600 mg/kg FCTOD7 30,29S,1992

skn-rbt LD50:5 g/kg FCTOD7 30,29S,1992

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

DRH200 **CAS: 5831-10-7** **HR: 2**

11,17-DIMETHYL-15H-CYCLOPENTA(a)-PHENANTHRENE

mf: C₁₉H₁₆ mw: 244.35

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate CNREA8 36,4525,76

skn-mus TDLo:108 mg/kg/1Y-I:CAR PEXTAR 11,69,69

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DRH400 **CAS: 5831-09-4** **HR: 2**

12,17-DIMETHYL-15H-CYCLOPENTA(a)-PHENANTHRENE

mf: C₁₉H₁₆ mw: 244.35

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate CNREA8 36,4525,76

skn-mus TDLo:108 mg/kg/1Y-I:ETA PEXTAR 11,69,69

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DRH600 **HR: 3**

1,2-DIMETHYLCYCLOPENTENE OZONIDE

mf: C₇H₁₂O₃ mw: 144.17

SAFETY PROFILE: Distillation residue explodes violently when heated to 130°C. When heated to decomposition it emits acrid smoke and fumes.

DRH800 **CAS: 63020-69-9** **HR: 2**

3,4-DIMETHYL-1,2-CYCLOPENTENOPHEN-ANTHRENE

mf: C₁₉H₁₈ mw: 246.37

SYN: 16,17-DIHYDRO-11,12-DIMETHYL-15H-CYCLOPENTA(a)-PHENANTHRENE

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

DRI400 **CAS: 3546-11-0** **HR: 2**

3,3'-DIMETHYL-N,N'-DIACETYL BENZIDINE

mf: C₁₈H₂₀N₂O₂ mw: 296.40

SYNS: N,N'-DIACETYL-3,3'-DIMETHYLBENZIDINE □ 3',3'''-DIMETHYL-4',4'''-BIACETANILIDE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate SAIGBL 23,168,81

orl-rat TDLo:7900 mg/kg/43W-C:CAR CNREA8 16,525,56

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

DRI500 **HR: D**

DIMETHYL DIALKYL AMMONIUM CHLORIDE

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

DRI600 **CAS: 110-70-3** **HR: 3**

N,N'-DIMETHYLDIAMINOETHANE

mf: C₄H₁₂N₂ mw: 88.18

SYNS: 1,2-BIS(METHYLAMINO)ETHANE □ 2,5-DIAZAHEX-ANE □ N,N'-DIMETHYLETHANEDIAMINE □ N,N'-DIMETHYL-1,2-ETHANEDIAMINE □ N,N'-DIMETHYLETHYLENEDIAMINE □ sym-DIMETHYLETHYLENEDIAMINE □ ETHYLENEDI-AMINE, N,N'-DIMETHYL- □ 1,2-ETHANEDIAMINE, N,N'-DIMETHYL-(9CI)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg EJMCA5 17,235,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRI700 **CAS: 53534-20-6** **HR: 3**

1,1-DIMETHYLDIAZENIUM PERCHLORATE

mf: C₂H₈ClN₂O₄ mw: 159.55

SAFETY PROFILE: An impact-sensitive salt. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PERCHLORATES.

DRI800 **CAS: 35335-07-0** **HR: 2**

9,10-DIMETHYL-1,2,5,6-DIBENZANTHRACENE

mf: C₂₄H₁₈ mw: 306.42

PROP: Crystals from C₆H₆/EtOH. Mp: 204–205°.

SYNS: 9,10-DIMETHYL-DBA □ 7,14-DIMETHYLDIBENZ(a,h)-ANTHRACENE

TOXICITY DATA with REFERENCE:

msc-ham:lng 25 µg/L MUREAV 136,65,84

skn-mus TDLo:200 mg/kg/20W-I:NEO CNREA8
22,78,62

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

DRI900 CAS: 88193-04-8 HR: D
5,9-DIMETHYL-7H-DIBENZO(c,g)CARBAZOLE

mf: C₂₂H₁₇N mw: 295.40

SYN: 7H-DIBENZO(c,g)CARBAZOLE, 5,9-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 20 µL/g/plate MUREAV 198,15,1988

dns-skn-mus 10 mg/kg CRNGDP 21,289,2000

add-skn-mus 10 mg/kg CRNGDP 21,289,2000

msc-scu-mus 10 mg/kg CRNGDP 20,1357,1999

slt-ham-oth 0.5 µmol/L/24H MUREAV 517,135,2002

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

DRJ000 CAS: 63042-50-2 HR: 2
4,9-DIMETHYL-2,3,5,6-DIBENZOTHIOPHENTHRENE

mf: C₂₂H₁₆S mw: 312.44

SYN: 7,13-DIMETHYLBENZO(b)PHENANTHRO(3,2-d)THIOPHENE

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

DRJ200 CAS: 16924-32-6 HR: 3
1,1-DIMETHYLDIBORANE

mf: C₂H₁₀B₂ mw: 55.724
(CH₃)₂B:H₂BH₂

PROP: Easily liquefied gas; sensitive to air and moisture. Readily disproportionates to other methylboranes. Bp: -1°, mp: -150°, flash p: <14°F. Sol in ethers and hydrocarbons.

SAFETY PROFILE: A very dangerous fire and explosion hazard when exposed to heat, flame, or oxidizers. See also BORON COMPOUNDS and BORANES.

DRJ400 CAS: 17156-88-6 HR: 3
1,2-DIMETHYLDIBORANE

mf: C₂H₁₀B₂ mw: 55.724
CH₃HB:H₂BHCH₃

PROP: Colorless gas, decomp by water. Mp: -125°; bp: -49° flash p: <-67°.

SAFETY PROFILE: A very dangerous fire and explosion hazard when exposed to heat, flame or oxidizers. See also BORON COMPOUNDS and BORANES.

DRJ800 CAS: 78-63-7 HR: 2
2,5-DIMETHYL-2,5-DI(tert-BUTYLPEROXY)-HEXANE

mf: C₁₆H₃₄O₄ mw: 290.50

PROP: Colorless to light-yellow liquid. D: 0.85, fp: 8°, flash p: >180°F (COC), bp: 250°. Insol in water; sol in many orgsolvs.

SYNS: 2,5-DIMETHYL-2,5-DI(tert-BUTYLPEROXY)HEXANE □ PEROXIDE, (1,1,4,4-TETRAMETHYL-1,4-BUTANEDIYL)BIS(1,1-DIMETHYLETHYL) □ PEROXIDE, (1,1,4,4-TETRAMETHYL-TETRAMETHYLENE)BIS(tert-BUTYL) □ TRIGONOX 101-101/45 □ VAROX

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:1700 mg/kg BSPH* 1/75-19B

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Combustible when exposed to heat, flames, or reducing agents. To fight fire, use water spray, foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. Used in the polymerization of styrene and in cross-linking of various grades of polyethylene. See also PEROXIDES, ORGANIC.

DRJ825 CAS: 1068-27-5 HR: 2
2,5-DIMETHYL-2,5-DI(tert-BUTYLPEROXY)-HEXYNE-3

mf: C₁₆H₃₀O₄ mw: 286.46

SYN: 3-HEXYNE, 2,5-DIMETHYL-2,5-DI(tert-BUTYLPEROXY)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1850 mg/kg BSPH* 1/75-19B

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRJ850 CAS: 4525-33-1 HR: D
DIMETHYL DICARBONATE

mf: (CH₃OCO)₂O mw: 134.09

PROP: Bp: 44-47° @ 5 mm.

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

DRK200 CAS: 1812-53-9 HR: D
DIMETHYLDICETYLAMMONIUM CHLORIDE

mf: C₃₄H₇₂N⁺Cl mw: 530.52

SYNS: ALIQUAT 206 □ AMMONIUM DIHEXADECYLDIMETHYL-, CHLORIDE □ DICETYLDIMETHYLAMMONIUM CHLORIDE □ 1-HEXADECANAMINIUM, N-HEXADECYL-N,N-DIMETHYL-, CHLORIDE (9CI)

TOXICITY DATA with REFERENCE:

scu-mus TDLo:50 mg/kg (female 7D post):TER
FCTXAV 18,189,80

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

DRK300 CAS: 29653-30-3 HR: 2
DIMETHYL DICHLOROMALONATE

mf: C₅H₆Cl₂O₄ mw: 201.01

SYNS: DIMETHYL DICHLOROPROPANEDIOATE □ MALONIC ACID, DICHLORO-, DIMETHYL ESTER □ PROPANEDIOIC ACID, DICHLORO-, DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

ihl-mus LC :>1500 mg/m³/10M NDRC** NDCrc-132,AUG1942

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

DRK400 CAS: 42149-31-5 HR: 2
2,5-DIMETHYL-1,2,5,6-DIEPOXYHEX-3-YNE

mf: $\text{C}_8\text{H}_{10}\text{O}_2$ mw: 138.18

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

DRK500 CAS: 34983-45-4 HR: 2
trans-4,4'-DIMETHYL- α - α' -DIETHYLSTILBENE

mf: $\text{C}_{20}\text{H}_{24}$ mw: 264.44

SYNS: DMES \square STILBENE, α - α' -DIETHYL-4,4'-DIMETHYL-, (E)-

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

DRK600 CAS: 19072-57-2 HR: 3
2,6-DIMETHYL-1,1-DIETHYLPIPERIDINIUM BROMIDE

mf: $\text{C}_{11}\text{H}_{24}\text{BrN}$ mw: 250.27

SYNS: AGILENE \square SC-1950

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg JPETAB 99,435,50

orl-mus LD50:365 mg/kg JPETAB 99,435,50

ipr-mus LD50:40 mg/kg JPETAB 99,435,50

ivn-dog LDLo:25 mg/kg JPETAB 99,435,50

ivn-rbt LDLo:25 mg/kg JPETAB 99,435,50

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

DRK800 CAS: 578-32-5 HR: 2
N,N-DIMETHYL-2,5-DIFLUORO-p-(2,5-DIFLUOROPHENYLAZO)ANILINE

mf: $\text{C}_{14}\text{H}_{11}\text{F}_4\text{N}_3$ mw: 297.28

SYN: 2,5,2',5'-TETRAFLUORO-4-DIMETHYLAMINOAZO-BENZENE

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

DRL000 CAS: 351-65-5 HR: 2
N,N-DIMETHYL-p-(3,4-DIFLUOROPHENYLAZO)-ANILINE

mf: $\text{C}_{14}\text{H}_{13}\text{F}_2\text{N}_3$ mw: 261.30

SYNS: 3',4'-DIFLUORO-4-DIMETHYLAMINOAZOBENZENE \square N,N-DIMETHYL-3',4'-DIFLUORO-4-(PHENYLAZO)-BENZENEAMINE

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

DRL100 CAS: 50539-74-7 HR: 3
2,2-DIMETHYL-2,3-DIHYDROBENZOFURAN-7-YL-N-(4-BROMOPHENYLTHIO)-N-

METHYLCARBAMATE

mf: $\text{C}_{18}\text{H}_{18}\text{BrNO}_3\text{S}$ mw: 408.34

SYN: CARBAMIC ACID, ((p-BROMOPHENYL)THIO)METHYL-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:25 mg/kg USXXAM #4013774

orl-mus LD50:50 mg/kg EQSSDX 3,394,1975

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

DRL200 CAS: 122-15-6 HR: 3
5,5-DIMETHYLDIHYDRORESORCINOL DIMETHYLCARBAMATE

mf: $\text{C}_{11}\text{H}_{17}\text{NO}_3$ mw: 211.29

SYNS: DIMETAN \square DIMETHYLCARBAMATE de 5,5-DIMETHYL DIHYDRORESORCINOL (FRENCH) \square DIMETHYLCARBAMIC ACID ester with 3-HYDROXY-5,5-DIMETHYL-2-CYCLOHEXEN-1-ONE \square 5,5-DIMETHYLDIHYDRORESORCINOL-N,N-DIMETHYLCARBAMAT (GERMAN) \square 5,5-DIMETHYL-4,5-DIHYDRO-3-RESORCYL-DIMETHYL-CARBAMAT (GERMAN) \square (5,5-DIMETHYL-3-OXO-CYCLOHEX-1-EN-YL)-N,N-DIMETHYL-CARBAMAAT (DUTCH) \square 5,5-DIMETHYL-3-OXO-1-CYCLOHEXEN-1-YL DIMETHYLCARBAMATE \square 5,5-DIMETHYL-3-OXOCYCLOHEX-1-ENYL DIMETHYLCARBAMATE \square (5,5-DIMETHYL-3-OXO-CYCLOHEX-1-EN-YL)-N,N-DIMETHYL-CARBAMAT (GERMAN) \square (5,5-DIMETHYL-3-OXO-CYCLOES-1-EN-IL)-N,N-DIMETHYL-CARBAMATO (ITALIAN) \square ENT 24,738 \square GEIGY 19258 \square 3-HYDROXY-5,5-DIMETHYL-2-CYCLOHEXEN-1-ONE DIMETHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:120 mg/kg WRPCA2 9,119,70

orl-mus LD50:90 mg/kg 85DPAN -,71/76

orl-dog LD50:50 mg/kg 85GYAZ -,66,71

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

DRL300 CAS: 63919-09-5 HR: 3
DIMETHYL DIISOPROPYL PYROPHOSPHATE

mf: $\text{C}_8\text{H}_{20}\text{O}_7\text{P}_2$ mw: 290.22

SYN: PYROPHOSPHORIC ACID, DIMETHYL DIISOPROPYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2500 $\mu\text{g}/\text{kg}$ AMIHBC 6,9,1952

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

DRL400 CAS: 35653-70-4 HR: 2
2,4'-DIMETHYL-4-DIMETHYLAMINOAZO-BENZENE

mf: $\text{C}_{16}\text{H}_{19}\text{N}_3$ mw: 253.38

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

DRL425 CAS: 90293-48-4 HR: 3
N,5-DIMETHYL-4-((DIMETHYLAMINO)CARBONYL)-N-((4-(1,1-DIMETHYLETHYL)PHENYL)THIO)-2,7-DIOXA-3,6-DIAZAOCTA-3,5-DIENAMIDE

1416 DRL450 3,3-DIMETHYL-4-(DIMETHYLAMINO)-

mf: C₁₉H₂₈N₄O₄S mw: 408.57

TOXICITY DATA with REFERENCE:

orl-rat LD50:30 mg/kg USXXAM #4657904

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

DRL450 CAS: 3215-85-8 HR: 3
3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(o-METHOXYPHENYL)BUTYL o-METHOXY-PHENYL KETONE

mf: C₂₃H₃₁NO₃ mw: 369.55

SYN: KETONE, 3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(o-METHOXYPHENYL)BUTYL o-METHOXYPHENYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JMCAR 9,187,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRL460 CAS: 3215-84-7 HR: 3
3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(p-METHOXYPHENYL)BUTYL p-METHOXY-PHENYL KETONE

mf: C₂₃H₃₁NO₃ mw: 369.55

SYN: KETONE, 3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(p-METHOXYPHENYL)BUTYL p-METHOXYPHENYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:505 mg/kg JMCAR 9,187,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRL600 CAS: 38035-28-8 HR: 3
2,3-DIMETHYL-8-(DIMETHYLAMINOMETHYL)-7-METHOXYCHROMONE HYDROCHLORIDE

mf: C₁₅H₁₉NO₃•ClH mw: 297.81

SYNS: 4H-1-BENZOPYRAN-4-ONE, 8-((DIMETHYLAMINO)-METHYL)-7-METHOXY-2,3-DIMETHYL-, HYDROCHLORIDE □ REC 7/0268

TOXICITY DATA with REFERENCE:

orl-rat LD50:7800 µg/kg 27ZQAG -,156,72

ipr-rat LD50:3300 µg/kg 27ZQAG -,157,72

scu-rat LD50:2200 µg/kg 27ZQAG -,157,72

ipr-mus LD50:3300 µg/kg JMCAS 3,471,61

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

DRM000 CAS: 3759-07-7 HR: 3
9,9-DIMETHYL-10-DIMETHYLAMINOPROPYL-ACRIDAN HYDROGEN TARTRATE

mf: C₂₀H₂₆N₂•C₄H₄O₆ mw: 442.56

PROP: A solid. Mp: 155–156°.

SYNS: DIMETACRINE BITARTRATE □ DIMETACRIN HYDROGEN TARTRATE □ DIMETHACRINE TARTRATE □ 10-(3-(DIMETHYLAMINO)PROPYL)-9,9-DIMETHYLACRIDAN TARTRATE (1:1) □ 9,9-DIMETHYL-10-(3-(DIMETHYLAMINO)-PROPYL)ACRIDINE TARTRATE □ ISOTONIL □ ISTONYL □ MIROISTONIL □ MO 709 □ SD 709 □ ((R-R*,R*))-N,N,9,9-

TETRAMETHYL-10(9H)-ACRIDINEPROPANAMINE-2,3-DIHYDROXYBUTANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

orl-mus TDL_o:175 mg/kg (female 7-13D post):REP OYYAA2 4,855,70

orl-rat LD50:1671 mg/kg ARZNAD 24,1098,74

ipr-rat LD50:203 mg/kg OYYAA2 4,855,70

scu-rat LD50:1214 mg/kg OYYAA2 4,855,70

ivn-rat LD50:38 mg/kg WKWOAO 78,21,66

orl-mus LD50:860 mg/kg WKWOAO 78,21,66

ipr-mus LD50:175 mg/kg WKWOAO 78,21,66

scu-mus LD50:798 mg/kg OYYAA2 4,855,70

ivn-mus LD50:40,900 µg/kg OYYAA2 4,855,70

orl-cat LD50:150 mg/kg WKWOAO 78,21,66

ivn-cat LD50:40 mg/kg WKWOAO 78,21,66

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

DRM100 CAS: 3215-88-1 HR: 3
3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(m-TOLYL)BUTYL m-TOLYL KETONE

mf: C₂₃H₃₁NO mw: 337.55

SYN: KETONE, 3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(m-TOLYL)BUTYL m-TOLYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1250 mg/kg JMCAR 9,187,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRM110 CAS: 3215-89-2 HR: 3
3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(o-TOLYL)BUTYL o-TOLYL KETONE

mf: C₂₃H₃₁NO mw: 337.55

SYN: KETONE, 3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(o-TOLYL)BUTYL o-TOLYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:125 mg/kg JMCAR 9,187,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRM120 CAS: 3215-87-0 HR: 3
3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(p-TOLYL)BUTYL p-TOLYL KETONE

mf: C₂₃H₃₁NO mw: 337.55

SYN: KETONE, 3,3-DIMETHYL-4-(DIMETHYLAMINO)-4-(p-TOLYL)BUTYL p-TOLYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:755 mg/kg JMCAR 9,187,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRM600 CAS: 4100-38-3 HR: 3
3,4-DIMETHYL-4-(3,4-DIMETHYL-5-

ISOXAZOLYAZO)ISOXAZOLIN-5-ONEmf: $C_{10}H_{12}N_4O_3$ mw: 236.26

SAFETY PROFILE: Explodes if heated rapidly to 100°C but is stable to impact or friction. When heated to decomposition it emits toxic fumes of NO_x .

DRM800 CAS: 63886-45-3 HR: 3
2,5-DIMETHYL-1-(5-(2,5-DIMETHYLPYRRO-
LIDINO)-2,4-PENTADIENYLIDENE) PYR-
ROLIDIUM CHLORIDE SESQUIHYDRATE
mf: $C_{17}H_{29}N_2 \cdot Cl \cdot 3/2H_2O$ mw: 323.96**TOXICITY DATA with REFERENCE:**

orl-mus LD50:50 mg/kg JMCAR 12,806,69

ipr-mus LD50:10 mg/kg JMCAR 12,806,69

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

DRM900 CAS: 133591-35-2 HR: D
1,4-DIMETHYL-3,6-DINITROCARBAZOLE
mf: $C_{14}H_{11}N_3O_4$ mw: 285.28

SYNS: 9H-CARBAZOLE, 1,4-DIMETHYL-3,6-DINITRO- □ 1,4-DIMETHYL-3,6-DINITRO-9H-CARBAZOLE

TOXICITY DATA with REFERENCE:mic-sat 25 μL /plate MUREAV 389,247,1997

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

DRN200 CAS: 40487-42-1 HR: 3
3,4-DIMETHYL-2,6-DINITRO-N-(1-ETHYLPROP-
YL)ANILINE
mf: $C_{13}H_{19}N_3O_4$ mw: 281.35**PROP:** Orange-yellow crystals from MeOH. Mp:56–57°. Very sltly sol in H_2O ; sol in $CHCl_3$ and C_6H_6 .

SYNS: AC 92553 □ N-(1-AETHYLPROPYL)-3,4-DIMETHYL-2,6-DINITROANILIN (GERMAN) □ N-(1-AETHYLPROPYL)-2,6-DINITRO-3,4-XYLIDIN (GERMAN) □ 2,5-DINITRO-N-(1-ETHYLPROPYL)-3,4-XYLIDINE □ N-(1-ETHYLPROPYL)-3,4-DIMETHYL-2,6-DINITROBENZENAMINE □ HERBADOX □ HORBADOX □ PAY-OFF □ PENDIMETHALIN □ PENOXALINE □ PHENOXALIN □ PROWL □ STOMP □ TENDIMETHALIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1050 mg/kg 85JFAN A314,84

ipr-rat LD50:500 mg/kg IJEB A6 25,463,87

orl-mus LD50:1340 mg/kg PEMNDP 9,656,91

ipr-mus LD50:220 mg/kg IJEB A6 25,463,87

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. An herbicide. When heated to decomposition it emits toxic fumes of NO_x .

DRN300 CAS: 14760-99-7 HR: 3
N,N'-DIMETHYL-N,N'-DINITROOXAMIDE
mf: $C_4H_6N_4O_6$ mw: 206.11

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

DRN400 CAS: 3844-60-8 HR: 3
1,6-DIMETHYL-1,6-DINITROSOBIUREA
mf: $C_4H_8N_6O_4$ mw: 204.18

SYNS: N,N'-DIMETHYL-N,N'-DINITROSO-1,2-HYDRAZINEDI-CARBOXAMIDE □ HYDRAZODICARBONSAEUREABIS-(METHYLNITROSAMID) (GERMAN) □ HYDRAZODI-CARBOXYLIC ACID BIS(METHYLNITROSAMIDE) □ HYDRO-AZODICARBOXYBIS(METHYLNITROSAMIDE) □ NSC-409425 □ SRI 1666

TOXICITY DATA with REFERENCE:

scu-rat LD50:200 mg/kg ZEKBAI 69,103,67

ipr-mus LD50:56,570 μg /kg NCISP* JAN86

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. 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 N-NITROSO COMPOUNDS.

DRN600 CAS: 7601-87-8 HR: 3
N,N'-DIMETHYL-N,N'-DINITROSOOXAMIDE
mf: $C_4H_6N_4O_4$ mw: 174.14

SYNS: DIMETHYLDINITROSOOXAMID (GERMAN) □ N,N'-DINITROSO-N,N'-DIMETHYLOXAMID (GERMAN)

TOXICITY DATA with REFERENCE:

mmo-smc 1 mmol/L/10M ZEVBA5 95,82,64

orl-rat LD50:96 mg/kg ZEKBAI 69,103,676

SAFETY PROFILE: Poison by ingestion. Mutation data reported. Many N-nitroso compounds are carcinogens. See also NITRATES for fire hazard. A heat- and shock-sensitive explosive. Can react vigorously with reducing materials. When heated to decomposition it emits highly toxic fumes of NO_x . See also N-NITROSO COMPOUNDS and EXPLOSIVES, HIGH.

DRN800 CAS: 55556-88-2 HR: 2
2,5-DIMETHYLDINITROSOPIPERAZINE
mf: $C_6H_{14}N_4O_2$ mw: 174.24

PROP: Mixture approximately 25% cis and 75% trans conformers (CNREA8 35,1270,75).

SYNS: 2,5-DIMETHYL-1,4-DINITROSOPIPERAZINE □ 2,5-DIMETHYL-DNPZ □ DINITROSO-2,5-DIMETHYLPIPERAZINE

TOXICITY DATA with REFERENCE:mma-sat 25 μg /plate TCMUE9 1,13,84mma-smc 50 μmol /plate MUREAV 77,143,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DRO000 CAS: 55380-34-2 HR: 2
2,6-DIMETHYLDINITROSOPIPERAZINE
mf: $C_6H_{14}N_4O_2$ mw: 174.24

SYNS: 2,6-DIMETHYL-DNPZ □ DINITROSO-2,6-DIMETHYLPIPERAZINE □ N,N'-DINITROSO-2,6-DIMETHYLPIPERAZINE □ 1,4-DINITROSO-2,6-DIMETHYLPIPERAZINE □ DNDMP

TOXICITY DATA with REFERENCE:mma-smc 50 μmol /plate TCMUE9 1,13,84

mma-sat 50 µg/plate MUREAV 77,143,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Mutation data reported. A model carcinogen and carcinogenic metabolite. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**DRO200 CAS: 6972-76-5 HR: 2
N,N'-DIMETHYL-N,N'-DINITROSO-1,3-PROP-
ANEDIAMINE**mf: C₅H₁₂N₄O₂ mw: 160.21**SYNS:** DINITROSODIMETHYLPROPANEDIAMINE □ N,N'-DINITROSO-N,N'-DIMETHYL-1,3-PROPANEDIAMINE □ NSC-62580**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**DRO400 CAS: 133-55-1 HR: D
N,N'-DIMETHYL-N,N'-DINITROSOTERE-
PHTHALAMIDE****DOT:** UN 2973mf: C₁₀H₁₀N₄O₄ mw: 250.24**SYNS:** 1,4-BENZENEDICARBOXAMIDE, N,N'-DIMETHYL-N,N'-DINITROSO-(9CI) □ N,N'-DIMETHYL-N,N'-DINITROSO-1,4-BENZENEDICARBOXAMIDE □ N,N'-DINITROSO-N,N'-DIMETHYLTEREPHTHALSAUREAMID □ N,N'-DINITROSO-N,N'-DIMETHYLTEREPHTHALAMIDE, not >72% as a paste (DOT)**TOXICITY DATA with REFERENCE:**

mmo-smc 30 µmol/L ZEVBA5 97,55,65

mrc-smc 800 nmol/L ZEVBA5 98,230,66

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 4.1; Label: Flammable Solid, EXPLOSIVE**SAFETY PROFILE:** Mutation data reported. Many N-nitroso compounds are carcinogens. A flammable solid and explosive. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**DRO800 CAS: 25136-55-4 HR: 3
DIMETHYL DIOXANE**mf: C₆H₁₂O₂ mw: 116.18**PROP:** Water-white liquid. Bp: 117.5°, flash p: 75°F, d: 0.9268, vap press: 15.4 mm @ 20°, vap d: 4.0.**SYNS:** DIMETHYL-p-DIOXANE (DOT) □ DIMETHYLDIOXANES (DOT)**TOXICITY DATA with REFERENCE:**

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

eye-rbt 20 mg/24H MOD 85JCAE -,811,86

orl-rat LD50:3000 mg/kg JIHTAB 30,63,48

ihl-rat LCLo:8000 ppm/4H JIHTAB 30,63,48

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. Experimental reproductive effects. A skin and eye irritant. A very dangerous fire hazard when exposed to heat or flame; can reactvigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DRP000 CAS: 10138-17-7 HR: 3
2,6-DIMETHYL-1,4-DIOXANE**mf: C₆H₁₂O₂ mw: 116.18**PROP:** Flash p: 75.2°F**TOXICITY DATA with REFERENCE:**

eye-rbt 5 mg SEV AJOPAA 29,1363,46

ihl-rat LCLo:8000 ppm/4H JIHTAB 31,343,49

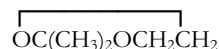
SAFETY PROFILE: Moderately toxic by inhalation. A severe eye irritant. A very dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to decomposition it emits acrid smoke and irritating fumes.**DRP200 CAS: 2033-24-1 HR: 3
2,2-DIMETHYL-m-DIOXANE-4,6-DIONE**mf: C₆H₈O₄ mw: 144.14**PROP:** Pale yellow, crystalline solid. Mp: 96–104°.**SYNS:** 2,2-DIMETHYL-1,3-DIOXANE-4,6-DIONE □ 2,2-DIMETHYL-4,6-DIOXO-m-DIOXANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#04102

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes.**DRP300 CAS: 139157-69-0 HR: D
2-((2,2-DIMETHYL-1,3-DIOXAN-5-YLIDENE)-
METHYL)-1-METHYL-5-NITRO-1H-
IMIDAZOLE**mf: C₁₁H₁₅N₃O₄ mw: 253.29**SYN:** 1H-IMIDAZOLE, 2-((2,2-DIMETHYL-1,3-DIOXAN-5-YLIDENE)METHYL)-1-METHYL-5-NITRO-**TOXICITY DATA with REFERENCE:**

mic-bac-sat 100 pmol EMMUEG 19,167,92

uns-bac-esc 100 pmol/tube EMMUEG 19,167,92

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DRP400 CAS: 2916-31-6 HR: 3
2,2-DIMETHYL-1,3-DIOXOLAN**mf: C₅H₁₀O₂ mw: 102.14**PROP:** A liquid. Flash p: 30.2°F, bp: 91.5–93.0°.**SAFETY PROFILE:** A very dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to decomposition it emits acrid smoke and fumes.**DRP600 CAS: 7122-04-5 HR: 3
2-(4,5-DIMETHYL-1,3-DIOXOLAN-2-YL)PHENYL-
N-METHYLCARBAMATE**mf: C₁₃H₁₇NO₄ mw: 251.31**SYNS:** C-10015 □ CIBA-GEIGY C-10015 □ ENT 27,410 □

FONDAREN □ NSC-191000 □ SAPRECON C

TOXICITY DATA with REFERENCE:

orl-rat LD50:110 mg/kg FMCHA2 -,C210,83

orl-dog LD50:300 mg/kg 28ZEAL 5,118,76

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

DRP800 CAS: 957-51-7 HR: 2
N,N-DIMETHYL-2,2-DIPHENYLACETAMIDE

mf: $\text{C}_{16}\text{H}_{17}\text{NO}$ mw: 239.34

PROP: White solid or crystals. Mp: 134.5–135.5°. Very sltly sol in water; mod sol in acetone, dimethyl formamide, and phenyl cellosolve.

SYNS: DIAMIDE □ DIF 4 □ N,N-DIMETHYLDIPHENYL-ACETAMIDE □ N,N-DIMETHYL- α,α -DIPHENYLACETAMIDE □ N,N-DIMETHYL- α -PHENYLBENZENEACETAMIDE □ DIMID □ DIPHENAMID □ DIPHENAMIDE □ DIPHENYLAMIDE □ 2,2-DIPHENYL-N,N-DIMETHYLACETAMIDE □ DYMD □ ENIDE □ FDN □ FENAM □ LILLY 34,314 □ U 4513

TOXICITY DATA with REFERENCE:

cyt-mus-unr 10 mg/kg TGANAK 16(1),45,82
 orl-rat LD50:685 mg/kg JDGRAX 12(1-2),155,80
 orl-mus LD50:600 mg/kg PCOC** ,431,66
 ipr-mus LD50:500 mg/kg GUCHAZ 6,233,73
 scu-mus LD50:800 mg/kg GUCHAZ 6,233,73
 orl-dog LD50:1000 mg/kg 28ZEAL 5,84,76
 orl-mky LD50:1000 mg/kg 28ZEAL 5,84,76
 orl-rbt LD50:1500 mg/kg 28ZEAL 5,84,76

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Mutation data reported. A pesticide. When heated to decomposition it emits toxic fumes of NO_x .

DRP875 HR: 3
**N,N-DIMETHYL-2-(p-(1,2-DIPHENYL-1-BUTEN-
 YL)PHENOXY)ETHYLAMINE CITRATE**

mf: $\text{C}_{26}\text{H}_{29}\text{NO}\cdot\text{C}_6\text{H}_8\text{O}_7$ mw: 563.70

TOXICITY DATA with REFERENCE:

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

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

DRQ000 CAS: 13865-57-1 HR: 2
N,N-DIMETHYL-4-(DIPHENYLMETHYL)ANILINE

mf: $\text{C}_{21}\text{H}_{21}\text{N}$ mw: 287.43

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

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

DRQ200 CAS: 997-95-5 HR: 2
2,2'-DIMETHYLDIPROPYLNITROSOAMINE

mf: $\text{C}_8\text{H}_{18}\text{N}_2\text{O}$ mw: 158.28

SYNS: DI-ISO-BUTYLNITROSAMINE □ DMDPN □ NITROSODIISOBUTYLAMINE □ N-NITROSODIISO-

BUTYLAMINE □ N-NITROSODI-ISO-BUTYLAMINE □ N-NITROSO-2,2'-DIMETHYLDI-n-PROPYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 25 $\mu\text{g}/\text{plate}$ TCMUE9 1,13,84
 scu-ham LD50:5600 mg/kg JNCIAM 55,1209,75

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

DRQ300 CAS: 175097-45-7 HR: D
**6,7-DIMETHYL-2,4-DI-1-PYRROLIDINYL-7H-
 PYRROLO(2,3-D)PYRIMIDINE SULFATE (1:1)**

mf: $\text{C}_{16}\text{H}_{23}\text{N}_5\cdot\text{H}_2\text{O}_4\text{S}$ mw: 383.52

SYNS: 7H-PYRROLO(2,3-D)PYRIMIDINE, 6,7-DIMETHYL-2,4-DI-1-PYRROLIDINYL-, SULFATE (1:1) □ U-89843D

TOXICITY DATA with REFERENCE:

dns-rat-lvr 10 mg/L MUREAV 395,119,1997

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

DRQ400 CAS: 624-92-0 HR: 3
DIMETHYL DISULFIDE

DOT: UN 2381

mf: $\text{C}_2\text{H}_6\text{S}_2$ mw: 94.20

PROP: A liquid. Flash p: 44.6°F, bp: 109.7°, d: 1.057 @ 16°/4°, vap press: 28.6 mm @ 25°, vap d: 3.24.

TOXICITY DATA with REFERENCE:

ihl-rat LC50:15,850 $\mu\text{g}/\text{m}^3/2\text{H}$ GTPZAB 16(6),46,72
 ihl-mus LC50:12,300 $\mu\text{g}/\text{m}^3/2\text{H}$ GTPZAB 16(6),46,72

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DRQ500 CAS: 55391-31-6 HR: 3
**3,3-DIMETHYL-1,4-DITHIAN-2-ONE-o-((METHYL-
 ((TRICHLOROMETHYL)THIO)AMINO)-
 CARBONYL)OXIME**

mf: $\text{C}_9\text{H}_{13}\text{Cl}_3\text{N}_2\text{O}_2\text{S}_3$ mw: 383.77

SYNS: 1,4-DITHIAN-2-ONE, 3,3-DIMETHYL-, o-((METHYL-((TRICHLOROMETHYL)THIO)AMINO)CARBONYL)OXIME □ 3,3-DIMETHYL-2-((N-METHYL-N-TRICHLOROMETHANE-SULFENYL)CARBAMOYLOXIMINO)-1,4-DITHIANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:7070 $\mu\text{g}/\text{kg}$ USXXAM #3992549

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

DRQ600 CAS: 598-64-1 HR: 2
**DIMETHYLDITHIOCARBAMIC ACID with
 DIMETHYLAMINE (1:1)**

mf: $\text{C}_5\text{H}_{12}\text{N}_2\text{S}_2$ mw: 164.31

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of NO_x, NH₃ and SO_x. See also CARBAMATES.

DRQ650 CAS: 51-82-1 HR: 3
N,N-DIMETHYLDITHIOCARBAMIC ACID
DIMETHYLAMINOMETHYL ESTER

mf: C₆H₁₄N₂S₂ mw: 178.34

SYNS: CARBAMIC ACID, DITHIO-, N,N-DIMETHYL-, DIMETHYLAMINOMETHYL ESTER □ N,N-DIMETHYLDITHIOCARBAMINSAEURE-DIMETHYLAMINOMETHYLESTER

TOXICITY DATA with REFERENCE:

ipr-rat LD50:230 mg/kg ARZNAD 16,734,66

ipr-mus LD50:410 mg/kg ARZNAD 16,734,66

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.

DRR000 CAS: 26419-73-8 HR: 3
2,4-DIMETHYL-1,3-DITHIOLANE-2-CARBOX-
ALDEHYDE O-(METHYLCARBAMOYL)-
OXIME

mf: C₈H₁₄N₂O₂S₂ mw: 234.36

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

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 mg/kg WRPCA2 9,119,70

skn-rat LD50:300 mg/kg GUCHAZ 6,213,73

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

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

DRR200 CAS: 2540-82-1 HR: 3
O,O-DIMETHYL DITHIOPHOSPHORYLACETIC
ACID-N-METHYL-N-FORMYLAMIDE

mf: C₆H₁₂NO₄PS₂ mw: 257.28

PROP: Yellow viscous oil or crystal mass. D: 1.361 @ 20°/4°, mp: 25–26°. Slt sol in H₂O; misc in most org solvs.

SYNS: AFLIX □ ANTHIO □ ANTIO □ CP 53926 □ O,O-DIMETHYL-S-(N-FORMYL-N-METHYLCARBAMOYLMETHYL) PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(3-METHYL-2,4-DIOXO-3-AZA-BUTYL)-DITHIOFOSFAAT (DUTCH) □ O,O-DIMETHYL-S-(3-METHYL-2,4-DIOXO-3-AZA-BUTYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-S-(N-METHYL-N-FORMYL-CARBAMOYLMETHYL)-DITHIOPHOSPHAT □ O,O-DIMETHYL-S-(N-METHYL-N-FORMYL-CARBAMOYLMETHYL)PHOSPHORODITHIOATE □ O,O-

DIMETHYL PHOSPHORODITHIOATE N-FORMYL-2-MERCAPTO-N-METHYLACETAMIDE-S-ESTER □ O,O-DIMETIL-S-(N-FORMIL-N-METIL-CARBAMOIL-METIL)-DITIOFOSFATO (ITALIAN) □ ENT 27,257 □ FORMOTHION □ S-(2-(FORMYLMETHYLAMINO)-2-OXOETHYL)-O,O-DIMETHYLPHOSPHORODITHIOATE □ N-FORMYL-N-METHYLCARBAMOYLMETHYL-O,O-DIMETHYL PHOSPHORO-DITHIOATE □ S-(N-FORMYL-N-METHYLCARBAMOYL-METHYL)-O,O-DIMETHYL PHOSPHORODITHIOATE □ S-(N-FORMYL-N-METHYLCARBAMOYLMETHYL) DIMETHYL PHOSPHOROTHIOLOTHIONATE □ S 6900 □ SAN 244 I □ SAN 6913 I □ SAN 7107 I □ SPENCER S-6900 □ VEL 4284

TOXICITY DATA with REFERENCE:

mno-sat 5 mg/plate MUREAV 116,185,83

mma-sat 5 mg/plate MUREAV 116,185,83

orl-rat LD50:250 mg/kg IRGGAJ 21,92,64

skn-rat LD50:353 mg/kg BJIMAG 26,59,69

ivn-rat LD50:35 mg/kg IRGGAJ 22,246,66

orl-mus LD50:190 mg/kg SPEADM 78-1,31,78

ihl-mus LC50:27 mg/m³ GISAAA 40(4),110,75

orl-cat LD50:210 mg/kg 85DPAN -,71/76

orl-rbt LD50:420 mg/kg SPEADM 78-1,31,78

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, and intravenous routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x. See also ESTERS.

DRR400 CAS: 2597-03-7 HR: 3
(O,O-DIMETHYLDITHIOPHOSPHORYLPHENYL)-
ACETIC ACID ETHYL ESTER

mf: C₁₂H₁₇O₄PS₂ mw: 320.38

SYNS: AIMSAN □ BAY 33051 □ BAYER 18510 □ CIDEMUL □ CICIAL □ DIMEPHENTHIOATE □ DIMEPHENTHOATE □ O,O-DIMETHYL-S-(1-CARBOETHOXYBENZYL) DITHIOPHOSPHATE □ O,O-DIMETHYL-S-α-ETHOXY-CARBONYLBENZYL PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(PHENYLACETIC ACID ETHYL ESTER) PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(PHENYL)(CARBOETHOXY)METHYL PHOSPHORODITHIOATE □ (DIMETHYL-S-(PHENYLETHOXY-CARBONYLMETHYL)PHOSPHOROTHIOLOTHIONATE) □ ELSAN □ ENT 23,438 □ ENT 27,386GC □ S-α-ETHOXYCARBONYLBENZYL-O,O-DIMETHYL PHOSPHORODITHIOATE □ S-α-ETHOXYCARBONYLBENZYL DIMETHYL PHOSPHOROTHIOLOTHIONATE □ ETHYL-α-((DIMETHOXYPHOSPHENOTHIOYL)THIO)BENZENEACETATE □ ETHYL-O,O-DIMETHYL PHOSPHORODITHIOYLPHENYL ACETATE □ ETHYL ESTER of O,O-DIMETHYLDITHIOPHOSPHORYL α-PHENYL ACETATE ACID □ ETHYL MERCAPTOPHENYLACETATE-O,O-DIMETHYL PHOSPHOROCITHIOATE □ FENTHOATE □ L-561 □ MONTECATINI L-561 □ NSC-190978 □ OMS 1075 □ PAP □ PAPHION □ PHENDAL □ PHENTHOATE □ ROGODIAL □ S 2940 □ TANONE □ TH 346-1 □ TSIDIAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg WRPCA2 9,119,70

skn-rat LD50:700 mg/kg WRPCA2 9,119,70

orl-mus LD50:150 mg/kg GUCHAZ 6,207,73

skn-mus LD50:2620 mg/kg GUCHAZ 6,217,73

orl-dog LD50:500 mg/kg SPEADM 78-1,40,78

orl-rbt LD50:72 mg/kg GUCHAZ 6,207,73

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. An insecticide used for control of crop pests and mosquitoes. When heated to

decomposition it emits very toxic fumes of PO_x and SO_x .
See also ESTERS.

DRR500 CAS: 18539-34-9 HR: 3
N,N-DIMETHYL-2-(DI-2,6-XYLYLMETHOXY)-
ETHYLAMINE HYDROCHLORIDE

mf: $\text{C}_{21}\text{H}_{29}\text{NO}\cdot\text{ClH}$ mw: 347.97

SYNS: BS 5933 □ β -DIMETHYLAMINOETHYL-2,6,2',6'-TETRAMETHYLBENZHYDRYL ETHER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:250 mg/kg AIPTAK 135,442,62

ipr-mus LD50:80 mg/kg AIPTAK 135,442,62

scu-mus LD50:140 mg/kg AIPTAK 135,442,62

ivn-mus LD50:35 mg/kg AIPTAK 135,442,62

ivn-cat LD50:15 mg/kg AIPTAK 135,442,62

orl-gpg LD50:100 mg/kg AIPTAK 135,442,62

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

DRR600 CAS: 3007-53-2 HR: 3
N,N-DIMETHYLDODECANAMIDE

mf: $\text{C}_{14}\text{H}_{29}\text{NO}$ mw: 227.44

SYN: N,N-DIMETHYLLAURAMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1000 mg/kg AIHAAP 32,539,71

ivn-mus LD50:75 mg/kg AIHAAP 32,539,71

ipr-rbt LD50:1000 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:50 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRR700 CAS: 26651-96-7 HR: 1
2,6-DIMETHYLDODECA-2,6,8-TRIEN-10-ONE

mf: $\text{C}_{14}\text{H}_{22}\text{O}$ mw: 206.36

SYNS: 7,11-DIMETHYL-4,6,10-DODECATRIEN-3-ONE □ 4,6,10-DODECATRIEN-3-ONE, 7,11-DIMETHYL- □ PSEUDOMETHYLIONONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTOD7 26,305,88

skn-rbt LDLo:5 g/kg FCTOD7 26,305,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRR800 CAS: 112-18-5 HR: 2
N,N-DIMETHYLDODECYLAMINE

mf: $\text{C}_{14}\text{H}_{31}\text{N}$ mw: 213.46

SYNS: ADMA 2 □ ARMEEN DM-12D □ BARLENE 125 □ DDA □ N,N-DIMETHYL-1-DODECANAMINE □ N,N-DIMETHYL-LAURYLAMINE □ DODECYLDIMETHYLAMINE □ N-DODECYLDIMETHYLAMINE □ LAURYL-DIMETHYLAMINE □ N-LAURYL-DIMETHYLAMINE □ MONOLAURYL-DIMETHYLAMINE □ RC 5629

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,63,72

eye-rbt 50 μg /24H SEV 28ZPAK -,63,72

orl-rat LD50:740 mg/kg CMEP** -,1,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRS000 CAS: 1920-05-4 HR: 2
DIMETHYLDODECYLAMINE ACETATE

mf: $\text{C}_{14}\text{H}_{31}\text{N}\cdot\text{C}_2\text{H}_4\text{O}_2$ mw: 273.52

SYNS: N,N-DIMETHYLDODECYLAMINE ACETATE □ PENAR □ TRI-PENAR

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg 28ZEAL 4,186,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRS200 CAS: 1643-20-5 HR: 2
DIMETHYLDODECYLAMINE-N-OXIDE

mf: $\text{C}_{14}\text{H}_{31}\text{NO}$ mw: 229.46

PROP: Very hygroscopic needles from dry toluene. Mp: 130–131°.

SYNS: AMMONYX LO □ AMONYX AO □ AROMOX DMMC-W □ CONCO XAL □ DDNO □ N,N-DIMETHYLDODECYLAMINE OXIDE □ N,N-DIMETHYL-DODECYLAMINOXID (CZECH) □ DODECYLDIMETHYLAMINE OXIDE □ N-DODECYLDI-METHYLAMINE OXIDE □ LAURYL-DIMETHYLAMINE OXIDE □ NCI-C55129

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,76,72

eye-rbt 50 μg /24H SEV 28ZPAK -,76,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRS400 CAS: 41892-01-7 HR: 3
N,N-DIMETHYL-n-DODECYL(2-HYDROXY-3-CHLOROPROPYL)AMMONIUM CHLORIDE

mf: $\text{C}_{17}\text{H}_{37}\text{ClNO}\cdot\text{Cl}$ mw: 342.45

TOXICITY DATA with REFERENCE:

orl-rat LD50:1070 mg/kg TXAPA9 28,313,74

skn-rbt LD50:200 mg/kg TXAPA9 28,313,74

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- , NH_3 , and NO_x .

DRS600 CAS: 38094-02-9 HR: 3
N,N-DIMETHYL-n-DODECYL(3-HYDROXY-PROPENYL) AMMONIUM CHLORIDE

mf: $\text{C}_{17}\text{H}_{35}\text{NO}\cdot\text{Cl}$ mw: 304.98

TOXICITY DATA with REFERENCE:

orl-rat LD50:1070 mg/kg TXAPA9 28,313,74

skn-rbt LD50:89 mg/kg TXAPA9 28,313,74

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

DRS700 CAS: 76306-40-6 HR: 2
3,4,3',4'-DIMETHYLENEDIOXYSTILBENE

mf: C₁₆H₁₂O₄ mw: 268.27

SYN: 1,3-BENZODIOXOLE, 5,5'-1,2-ETHENEDIYLBIS-, (1E)-

TOXICITY DATA with REFERENCE:

orl-rat TDLo:500 mg/kg BIPBU* 24,1277,2001

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

DRS800 CAS: 120-08-1 HR: 3
6,7-DIMETHYLESCULETIN

mf: C₁₁H₁₀O₄ mw: 206.21

PROP: Needles from H₂O. Mp: 144°.

SYNS: AESCULETIN DIMETHYL ETHER □ 6,7-DIMETHOXYBENZOPYRAN-2-ONE □ 6,7-DIMETHOXYCOUMARIN □ ESCOPARONE □ ESCULETIN DIMETHYL ETHER □ SCOPARON □ SCOPARONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:292 mg/kg DRFUD4 3,550,78

ipr-rat LD50:190 mg/kg DRFUD4 3,550,78

orl-mus LD50:280 mg/kg DRFUD4 3,550,78

ipr-mus LD50:180 mg/kg IJMRAQ 60,763,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Experimental reproductive effects. An antihypertensive agent. When heated to decomposition it emits acrid smoke and irritating fumes.

DRT000 HR: 3
7,14-DIMETHYL-7,14-ETHANODIBENZ(a,b)-ANTHRACENE-15,16-DICARBOXYLIC ACID

mf: C₂₄H₂₀O₄ mw: 372.44

SYN: 7,12-DIMETHYLBENZANTHRACENE-7,12-endo-α,β-SUCCINIC ACID

TOXICITY DATA with REFERENCE:

scu-rat TDLo:600 mg/kg/50D-I:CAR,REP 85DLAB -,75

ipr-rat LDLo:297 mg/kg 85DLAB -,75

ipr-mus LDLo:247 mg/kg 85DLAB -,75

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits acrid smoke and irritating fumes.

DRT089 HR: 3
(DIMETHYL ETHER)OXODIPEROXO CHROMIUM(VI)

mf: C₂H₆CrO₆ mw: 178.06

PROP: IDLH Ca [15 mg/m³ {as Cr(VI)}].

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

SAFETY PROFILE: The solid material explodes violently above -30°C. See also CHROMIUM COMPOUNDS; PEROXIDES and ETHERS.

DRT200 CAS: 79-64-1 HR: 1

6-α,21-DIMETHYLETHISTERONE

mf: C₂₃H₃₂O₂ mw: 340.55

PROP: Crystals. Mp: 102°.

SYNS: DIMETHESTERONE □ DIMETHISTERON □

DIMETHISTERONE □ 6-α,21-DIMETHYL-17-β-HYDROXY-17-α-PREG-4-EN-20-YN-3-ONE □ 6-α,21-DIMETHYL-17-β-HYDROXY-17-α-PREGN-4-EN-20-YN-3-ONE □ 17-α-ETHYNYL-6-α,21-DIMETHYLTESTOSTERONE □ 17-α-ETHYNYL-17-HYDROXY-6-α,21-DIMETHYLANDROST-4-EN-3-ONE □ (6-α,17-β)-17-HYDROXY-6-METHYL-17-(1-PROPYNYL)-ANDROST-4-EN-3-ONE □ 17-β-HYDROXY-6-α-METHYL-17-(1-PROPYNYL)-ANDROST-4-EN-3-ONE □ LUTOGAN □ LUTOSAN □ 6-α-METHYL-17-α-PROPYNYLTESTOSTERONE □ 6-α-METHYL-17-(1-PROPYNYL)TESTOSTERONE □ P-5048 □ SECROSTERON

TOXICITY DATA with REFERENCE:

orl-mus LD50:7650 mg/kg MEIEDD 10,469,83

CONSENSUS REPORTS: IARC Cancer Review: Animal Inadequate Evidence IMEMDT 21,377,79.

SAFETY PROFILE: Mildly toxic by ingestion. Questionable carcinogen. Experimental teratogenic and reproductive effects. A steroid used as a progestin and in the treatment of menstrual disorders. When heated to decomposition it emits acrid smoke and irritating fumes.

DRT400 CAS: 67262-78-6 HR: 3
2',6'-DIMETHYL-2-(2-ETHOXYETHYLAMINO)-ACETANILIDE

mf: C₁₄H₂₂N₂O₂ mw: 250.38

SYN: 2-(2-ETHOXYETHYLAMINO)-2',6'-ACETOXYLIDIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:130 mg/kg JPMSAE 67,595,78

ivn-mus LD50:35 mg/kg JPMSAE 67,595,78

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

DRT600 CAS: 102207-86-3 HR: 3
2',6'-DIMETHYL-2-(2-ETHOXYETHYLAMINO)-ACETANILIDE HYDROCHLORIDE

mf: C₁₄H₂₂N₂O₂•ClH mw: 286.84

SYN: 2-(2-ETHOXYETHYLAMINO)-2',6'-ACETOXYLIDIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg JPMSAE 67,595,78

ivn-mus LD50:35 mg/kg JPMSAE 67,595,78

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

DRU000 CAS: 3837-54-5 HR: 2
N,N-DIMETHYL-p-((3-ETHOXYPHENYL)AZO)-ANILINE

mf: C₁₆H₁₉N₃O mw: 269.38

SYN: 3'-ETHOXY-4-DIMETHYLAMINOAZOBENZENE

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

DRU200 CAS: 1825-58-7 HR: 2
DIMETHYLETHOXYPHENYLSILANE

mf: C₁₀H₁₆OSi mw: 180.35

SYN: DIMETHYL-FENYL-ETHOXSILAN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,221,72

eye-rbt 500 mg/24H MLD 28ZPAK -,221,72

orl-rat LD50:2460 mg/kg 28ZPAK -,221,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DRU400 CAS: 2669-32-1 HR: 3
**O,O-DIMETHYL-S-(5-ETHOXY-1,3,4-THIADI-
 AZOLINYL-3-METHYL)DITHIOPHOSPHATE**

mf: $C_7H_{13}N_2O_4PS_3$ mw: 316.37

SYNS: O,O-DIMETHYL-S-(5-ETHOXY-1,3,4-THIADIAZOL-2(3H)-ONYL-(3)-METHYL)DITHIOPHOSPHATE □ O,O-DIMETHYL-S-(5-ETHOXY-1,3,4-THIADIAZOL-2(3H)-ONYL-(3)-METHYL)PHOSPHORODITHIOATE □ ENT 27,238 □ GEIGY 12968 □ LYTHIDATHION □ NC-2962

TOXICITY DATA with REFERENCE:

orl-rat LD50:268 mg/kg 28ZEAL 4,186,69

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

DRU600 CAS: 63021-00-1 HR: 2
**DIMETHYL ETHYL ALLENOLIC ACID METHYL
 ETHER**

mf: $C_{16}H_{18}O_3$ mw: 258.34

SYNS: ACIDE DIMETHYL-ETHYL-ALLENOLIQUE ETHER METHYLIQUE (FRENCH) □ α,α -DIMETHYL-2-(6-METHOXY-NAPHTHYL)PROPIONIC ACID

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

DRU875 HR: D
**N-(5-(((1,1-DIMETHYLETHYL)AMINO)SULFON-
 YL)-1,3,4-THIADIAZOL-2-YL)ACETAMIDE
 MONOSODIUM SALT**

mf: $C_8H_{14}N_4O_3S_2Na$ mw: 301.37

SYN: CL 13,850 SODIUM

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x , NO_x , and Na_2O .

DRU900 CAS: 54043-65-1 HR: 1
**1-((1,1-DIMETHYLETHYL)AZO)CYCLO-
 HEXANOL**

mf: $C_{10}H_{20}N_2O$ mw: 184.32

SYNS: CYCLOHEXANOL, 1-((1,1-DIMETHYLETHYL)AZO)- □ LUCEL 6

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:50 g/m³/1H EPASR* FYI-OTS-1080-0095

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of NO_x .

DRV000 CAS: 529-05-5 HR: 2
1,4-DIMETHYL-7-ETHYLAZULENE

mf: $C_{14}H_{16}$ mw: 184.30

PROP: Blue oil. Bp: 161° @ 12 mm.

SYNS: BA 2784 □ CAMUZULENE □ CHAMAZULEN □ CHAMAZULENE □ DIMETHULENE □ DIMETHWLEN □ 7-ETHYL-1,4-DIMETHYLAZULENE □ KAMILLENOEL (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg ARZNAD 19,615,69

ims-mus LD50:3 g/kg MEIEDD 10,283,83

SAFETY PROFILE: Moderately toxic by intramuscular route. Mildly toxic by ingestion. An anti-inflammatory and antipyretic agent. When heated to decomposition it emits acrid smoke and irritating fumes.

DRV200 CAS: 1420-07-1 HR: 3
2-(1,1-DIMETHYLETHYL)-4,6-DINITROPHENOL

mf: $C_{10}H_{12}N_2O_5$ mw: 240.24

PROP: Yellow solid. Mp: 125.5–126.5°.

SYNS: o-tert-BUTYL-4,6-DINITROPHENOL □ 2,4-DINITRO-6-tert-BUTYLPHENOL □ DINOTERB □ DNTBP □ HERBOGIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:62 mg/kg FMCHA2 -,C84,83

orl-mus LD50:25 mg/kg 28ZEAL 5,82,76

skn-gpg LD50:150 mg/kg 28ZEAL 5,82,76

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and skin contact. A pesticide. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DRV250 CAS: 91219-87-3 HR: D
 **α -(3-(1,1-DIMETHYLETHYL)-2-HYDROXYPHEN-
 YL)-1-METHYL-5-NITRO-1H-IMIDAZOLE-2-
 METHANOL**

mf: $C_{15}H_{19}N_3O_4$ mw: 305.37

SYNS: 1H-IMIDAZOLE-2-METHANOL, α -(3-(1,1-DIMETHYLETHYL)-2-HYDROXYPHENYL)-1-METHYL-5-NITRO- □ EU 11100

TOXICITY DATA with REFERENCE:

mic-sat 1 mg/plate JCHEEU 5,168,1993

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

DRV300 CAS: 71108-04-8 HR: 3
**5,5-DIMETHYL-2-(ETHYLIMINO)-1,3-DITHIOLAN-
 4-ONE-o-((METHYLAMINO)CARBONYL)-
 OXIME**

mf: $C_9H_{15}N_3O_2S_2$ mw: 261.39

SYN: 1,3-DITHIOLAN-4-ONE, 5,5-DIMETHYL-2-(ETHYLIMINO)-, o-((METHYLAMINO)CARBONYL)OXIME

TOXICITY DATA with REFERENCE:

orl-rat LD50:6300 μ g/kg USXXAM #4156731

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

DRV500 HR: 3
**N,N-DIMETHYL-N'-ETHYL-N'-1-NAPHTHYL-
 ETHYLENEDIAMINE**

mf: C₁₆H₂₂N₂ mw: 242.40**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:80 mg/kg BJPCAL 11,1,56

ipr-mus LD50:121 mg/kg BJPCAL 11,1,56

scu-mus LD50:443 mg/kg BJPCAL 11,1,56

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DRV550 **CAS: 50285-71-7** **HR: 3**
N,N-DIMETHYL-N'-ETHYL-N'-2-NAPHTHYL-ETHYLENEDIAMINE

mf: C₁₆H₂₂N₂ mw: 242.40**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:50 mg/kg BJPCAL 11,1,56

ipr-mus LD50:53 mg/kg BJPCAL 11,1,56

scu-mus LD50:287 mg/kg BJPCAL 11,1,56

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

DRV600 **CAS: 50285-71-7** **HR: 2**
1,1-DIMETHYL-3-ETHYL-3-NITROSOUREA

mf: C₅H₁₁N₃O₂ mw: 145.19**SYNS:** NITROSOAETHYLDIMETHYLHARNSTOFF □

NITROSO-1,1-DIMETHYL-3-ETHYLUREA □ NITROSO-

ETHYLDIMETHYLUREA □ 1-NITROSO-1-ETHYL-3,3-

DIMETHYLUREA

TOXICITY DATA with REFERENCE:

mma-sat 250 µg/plate JJIND8 67,1117,81

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

DRV700 **CAS: 74518-95-9** **HR: D**
4-(2-(4-(1,1-DIMETHYLETHYL)PHENYL)ETHENYL)-1-NITROBENZENE, (E)-

mf: C₁₈H₁₉NO₂ mw: 281.35**TOXICITY DATA with REFERENCE:**

mic-sat 1.6 µLg/plate/48H MUREAV 491,195,2001

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

DRV850 **CAS: 27692-91-7** **HR: 3**
N,N-DIMETHYL-N'-ETHYL-N'-PHENYLETHYLENEDIAMINE

mf: C₁₉H₂₀N₂ mw: 192.34**SYN:** 2325 RP**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:350 mg/kg BJPCAL 11,1,56

ipr-mus LD50:500 mg/kg BJPCAL 11,1,56

scu-mus LD50:1150 mg/kg BJPCAL 11,1,56

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DRV870 **CAS: 51308-53-3** **HR: 2**
(4-(1,1-DIMETHYLETHYL)PHENYL)METHYL ETHYL 3-PYRIDINYLCARBONIMIDO-DITHIOATE

mf: C₁₉H₂₄N₂S₂ mw: 344.57**SYN:** CARBONIMODODITHIOIC ACID, 3-PYRIDINYL-, (4-(1,1-DIMETHYLETHYL)PHENYL)METHYL ETHYL ESTER**TOXICITY DATA with REFERENCE:**

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

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

DRV875 **CAS: 51308-61-3** **HR: 2**
S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-ETHYL-3-PYRIDINYLCARBONIMIDO-DITHIOATE

mf: C₁₉H₂₄N₂OS mw: 328.51**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-ETHYL ESTER**TOXICITY DATA with REFERENCE:**

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

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

DRV880 **CAS: 51308-60-2** **HR: 2**
(4-(1,1-DIMETHYLETHYL)PHENYL)METHYL HEPTYL-3-PYRIDINYLCARBONIMIDO-DITHIOATE

mf: C₂₄H₃₄N₂S₂ mw: 414.72**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-(1,1-DIMETHYLETHYL)PHENYL)METHYL HEPTYL ESTER**TOXICITY DATA with REFERENCE:**

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

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

DRV885 **CAS: 51308-58-8** **HR: 2**
(4-(1,1-DIMETHYLETHYL)PHENYL)METHYL HEXYL 3-PYRIDINYLCARBONIMIDODITHIOATE

mf: C₂₃H₃₂N₂S₂ mw: 400.69**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-(1,1-DIMETHYLETHYL)PHENYL)METHYL HEXYL ESTER**TOXICITY DATA with REFERENCE:**

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

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

DRV890 **CAS: 51308-52-2** **HR: 2**
(4-(1,1-DIMETHYLETHYL)PHENYL)METHYL METHYL-3-PYRIDINYLCARBONIMIDO-DITHIOATE

mf: C₁₈H₂₂N₂S₂ mw: 330.54**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, (4-(1,1-DIMETHYLETHYL)PHENYL)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 and SO_x.

DRV900 CAS: 51308-71-5 HR: 2
S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-OCTYL-3-PYRIDINYLCARBONIMIDOTHIOATE

mf: C₂₅H₃₆N₂OS mw: 412.69

SYN: 3-PYRIDINYLCARBONIMIDOTHIOIC ACID, S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-OCTYL ESTER

TOXICITY DATA with REFERENCE:

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

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

DRV910 CAS: 51379-04-5 HR: 2
(4-(1,1-DIMETHYLETHYL)PHENYL)METHYL PENTYL-3-PYRIDINYLCARBONIMIDODITHIOATE

mf: C₂₂H₃₀N₂S₂ mw: 386.66

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

TOXICITY DATA with REFERENCE:

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

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

DRV920 CAS: 51308-67-9 HR: 2
S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-PENTYL-3-PYRIDINYLCARBONIMIDOTHIOATE

mf: C₂₂H₃₀N₂OS mw: 370.60

SYN: CARBONIMIDOTHIOIC ACID, 3-PYRIDINYL-, S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-PENTYL ESTER

TOXICITY DATA with REFERENCE:

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

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

DRV930 CAS: 51308-62-4 HR: 2
S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-PROPYL-3-PYRIDINYLCARBONIMIDOTHIOATE

mf: C₂₀H₂₆N₂OS mw: 342.54

SYN: CARBONIMIDOTHIOIC ACID, 3-PYRIDINYL-, S-((4-(1,1-DIMETHYLETHYL)PHENYL)METHYL) o-PROPYL ESTER

TOXICITY DATA with REFERENCE:

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

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

DRV940 CAS: 296269-57-3 HR: 3
α-(5-(1,1-DIMETHYLETHYL)-1-PHENYL-1H-PYRAZOL-4-YL)-1-PIPERIDINEBUTANOL

mf: C₂₂H₃₃N₃O mw: 355.52

TOXICITY DATA with REFERENCE:

orl-mus TDLo:200 mg/kg FRMCE8 55,219,2000

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

DRW000 CAS: 66967-65-5 HR: 3
DIMETHYLETHYL(3-(10H-PYRIDO(3,2b))(1,4)-BENZOTHAZIN-10-YL)PROPYLAMMONIUM ETHYL SULFATE

mf: C₁₈H₂₄N₃S•C₂H₅O₄S mw: 439.64

SYN: D 268

TOXICITY DATA with REFERENCE:

orl-mus LD50:494 mg/kg ARZNAD 8,489,58

ipr-mus LD50:58 mg/kg ARZNAD 8,489,58

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

DRW100 CAS: 61319-99-1 HR: 2
2-(1,1-DIMETHYLETHYL)PYRIMIDINE

mf: C₈H₁₂N₂ mw: 136.22

SYNS: 2-T-BUTYLPYRIMIDINE □ PYRIMIDINE, 2-(1,1-DIMETHYLETHYL)-

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H MLD NTIS** OTS0535290

orl-rat LDLo:2 g/kg NTIS** OTS0535290

skn-rbt LDLo:2 g/kg NTIS** OTS0535290

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

DRX400 CAS: 5581-40-8 HR: 3
DIMETHYL FANDANE

mf: C₁₇H₁₉N mw: 237.37

SYNS: 2,3-DIHYDRO-N,N-DIMETHYL-3-PHENYL-1H-INDEN-1-AMINE □ DIMEFADANE □ N,N-DIMETHYL-3-PHENYL-1-INDANAMINE □ SK+F 1340

TOXICITY DATA with REFERENCE:

orl-rat LD50:176 mg/kg TXAPA9 21,315,72

orl-bwd LD50:75 mg/kg TXAPA9 21,315,72

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

DRX600 CAS: 23339-04-0 HR: 2
2,3-DIMETHYLFLUORANTHENE

mf: C₁₈H₁₄ mw: 230.32

CONSENSUS REPORTS: IARC Cancer Review:

Animal No Evidence IMEMDT 32,355,83.

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

DRX800 CAS: 38048-87-2 HR: 2
7,8-DIMETHYLFLUORANTHENE

mf: C₁₈H₁₄ mw: 230.32

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

DRY000 CAS: 25889-63-8 HR: 2
8,9-DIMETHYLFLUORANTHENE

mf: C₁₈H₁₄ mw: 230.32

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

DRY100 CAS: 17057-98-6 HR: 2
1,9-DIMETHYLFLUORENE

mf: C₁₅H₁₄ mw: 194.29

SYN: 9H-FLUORENE, 1,9-DIMETHYL-

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate MUREAV 91,167,81

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

DRY289 CAS: 420-23-5 HR: 3
DIMETHYLFLUOROARSINE

mf: C₂H₆AsF mw: 123.99

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

SAFETY PROFILE: Arsenic compounds are poisons by many routes. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of F⁻ and As. See also ARSENIC COMPOUNDS.

DRY400 CAS: 737-22-4 HR: 2
7,12-DIMETHYL-4-FLUOROBENZ(a)-ANTHRACENE

mf: C₂₀H₁₅F mw: 274.35

SYN: 4-FLUORO-7,12-DIMETHYLBENZ(a)ANTHRACENE

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

DSQ810 CAS: 302542-44-5 HR: 3
3,5-DIMETHYL-N-(2-METHYLPHENYL)-4-NITRO-1H-PYRAZOLE-1-ACETAMIDE

mf: C₁₄H₁₆N₄O₃ mw: 288.31**TOXICITY DATA with REFERENCE:**

orl-mus LD50:470 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:50 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:50 mg/kg FRMCE8 55,362,2000

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

DSQ820 CAS: 173381-90-3 HR: 3
3,5-DIMETHYL-N-(2-METHYLPHENYL)-1H-PYRAZOLE-1-ACETAMIDE

mf: C₁₄H₁₇N₃O mw: 243.31**TOXICITY DATA with REFERENCE:**

orl-mus LD50:489 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:50 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:50 mg/kg FRMCE8 55,362,2000

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

DSQ830 CAS: 302542-50-3 HR: 3
3,5-DIMETHYL-N-(3-METHYLPHENYL)-1H-PYRAZOLE-1-ACETAMIDE

mf: C₁₄H₁₇N₃O mw: 243.31**TOXICITY DATA with REFERENCE:**

orl-mus LD50:538 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:53 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:53 mg/kg FRMCE8 55,362,2000

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

DRY600 CAS: 794-00-3 HR: 2
7,12-DIMETHYL-5-FLUOROBENZ(a)-ANTHRACENE

mf: C₂₀H₁₅F mw: 274.35

SYN: 5-FLUORO-7,12-DIMETHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

dni-hmn:hla 70 µmol/L MUREAV 92,427,82

scu-rat TDLo:823 mg/kg/10W-I:ETA JMCMAR 21,1076,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. An initiator. When heated to decomposition it emits toxic fumes of F⁻.

DRY800 CAS: 2023-60-1 HR: 2
7,12-DIMETHYL-8-FLUOROBENZ(a)-ANTHRACENE

mf: C₂₀H₁₅F mw: 274.35

SYN: 8-FLUORO-7,12-DIMETHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

ims-rat TDLo:10 mg/kg:NEO NATUAS 273,566,78

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

DRZ000 CAS: 2023-61-2 HR: 2
7,12-DIMETHYL-11-FLUOROBENZ(a)-ANTHRACENE

mf: C₂₀H₁₅F mw: 274.35

SYN: 11-FLUORO-7,12-DIMETHYLBENZ(a)ANTHRACENE

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic and tumorigenic data. An initiator. When heated to decomposition it emits toxic fumes of F⁻.

DSA000 CAS: 150-74-3 HR: 2
N,N-DIMETHYL-p-((p-FLUOROPHENYL)-AZO)ANILINE

mf: C₁₄H₁₄FN₃ mw: 243.31

SYNS: 4-(DIMETHYLAMINO)-4'-FLUOROAZOBENZENE □ 4'-FLUORO-N,N-DIMETHYL-4-AMINOAZOBENZENE □ 4'-FLUORO-p-DIMETHYLAMINOAZOBENZENE □ 4'-FLUORO-4-DIMETHYLAMINOAZOBENZENE □ 4'-FLUORO-N,N-DIMETHYL-p-PHENYLAZOANILINE □ p-(p-FLUORO-

PHENYL)AZO)-N,N-DIMETHYLANILINE □ 4-((4-FLUOROPHENYL)AZO)-N,N-DIMETHYLBENZENAMINE

TOXICITY DATA with REFERENCE:

dns-rat-ori 2520 mg/kg/12W-I CNREA8 29,2039,69
 ipr-mus TDLo:400 mg/kg (8-9D preg):TER KAIZAN 37,179,62
 ipr-mus TDLo:400 mg/kg (8-9D preg):REP KAIZAN 37,179,62

SAFETY PROFILE: Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.

DSA600 CAS: 23456-94-2 HR: 3 3,3-DIMETHYL-1-(p-FLUOROPHENYL)-TRIAZENE

mf: C₈H₁₀FN₃ mw: 167.21

SYN: 1-p-FLUOROPHENYL-3,3-DIMETHYLTRIAZEN (CZECH)

TOXICITY DATA with REFERENCE:

ori-rat LD50:326 mg/kg 28ZPAK -,97,72
 ipr-mus LD50:445 mg/kg JMCAR 19,1299,76

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

DSA800 CAS: 5954-50-7 HR: 3 DIMETHYL FLUOROPHOSPHATE

mf: C₂H₆FO₃P mw: 128.05

PROP: Liquid. Mp: low, bp: 149°, d: 1.28, vap d: 4.42.

SYNS: FLUOPHOSPHORIC ACID, DIMETHYL ESTER □ PHOSPHOROFUORIDIC ACID, DIMETHYL ESTER □ PF-1 □ T-1035 □ TL 311

TOXICITY DATA with REFERENCE:

ihl-rat LC50:1800 mg/m³/1M NTIS** PB158-508
 ihl-mus LC50:290 mg/m³/10M JIHTAB 30,307,48
 skn-mus LD50:36 mg/kg NTIS** PB158-508
 ipr-mus LD50:3 mg/kg NTIS** PB158-508
 ivn-mus LD50:450 µg/kg NTIS** PB158-508
 ihl-dog LC50:6 g/m³/1M NTIS** PB158-508
 ivn-dog LD50:1 mg/kg NTIS** PB158-508
 ihl-cat LC50:6 g/m³/1M NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation, skin contact, and intravenous routes. When heated to decomposition it emits toxic fumes of F⁻ and PO_x. See also ESTERS, FLUORIDES, and PHOSPHATES.

DSB000 CAS: 68-12-2 HR: 3 DIMETHYLFORMAMIDE

DOT: UN 2265

mf: C₃H₇NO mw: 73.11
 (CH₃)₂NCO•H

PROP: Colorless, mobile liquid; fishy or faint amine odor. Mp: -61°, bp: 152.8°, lel: 2.2% @ 100°, uel: 15.2% @ 100°, flash p: 136°, d: 0.945 @ 22.4°/4°, autoign temp: 833°F, vap press: 3.7 mm @ 25°, vap d: 2.51. Misc in H₂O, EtOH, Et₂O, C₆H₆, and CHCl₃. IDLH 500 ppm.

SYNS: DIMETHYLFORMAMID (GERMAN) □ N,N-DIMETHYLFORMAMIDE □ N,N-DIMETHYLFORMAMIDE (DOT) □ DIMETILFORMAMIDE (ITALIAN) □ DIMETYLFORMAMIDU (CZECH) □ DMF □ DMFA □ DWUMETHYLOFORMAMID

(POLISH) □ N-FORMYLDIMETHYLAMINE □ NCI-C60913 □ NSC-5356 □ U-4224

TOXICITY DATA with REFERENCE:

skn-hmn 100%/24H MLD BJMAG 13,51,56
 skn-rbt 10 mg/24H open JIHTAB 30,63,48
 eye-rbt 100 mg RNS SEV DCTODJ 9,147,86
 mma-sat 600 µg/plate PMRSDJ 1,343,81
 cyt-hmn:lym 100 nmol/L CHPUA4 31,548,81
 ori-rat LD50:2800 mg/kg ZEKBAL 69,103,67
 ipr-rat LD50:1400 mg/kg BJMAG 13,51,56
 scu-rat LD50:3800 mg/kg ARZNAD 15,618,65
 ivn-rat LD50:2000 mg/kg ZEKBAL 69,103,67
 ori-mus LD50:3750 mg/kg TPKVAL 1,54,61
 ihl-mus LC50:9400 mg/m³/2H TPKVAL 1,54,61
 ipr-mus LD50:650 mg/kg CNCRA6 30,9,63
 scu-mus LD50:4500 mg/kg ARZNAD 15,618,65
 ivn-mus LD50:2500 mg/kg ARZNAD 15,618,65
 ims-mus LD50:3800 mg/kg ARZNAD 15,618,65
 ivn-dog LD50:470 mg/kg ARZNAD 15,618,65
 ipr-cat LD50:500 mg/kg BJMAG 13,51,56
 skn-rbt LD50:4720 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: IARC Cancer Review:

Group 2B IMEMDT 47,171,89; Human Limited Evidence IMEMDT 47,171,89; Animal Inadequate Evidence IMEMDT 47,171,89. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm (skin)

ACGIH TLV: TWA 10 ppm (skin); Not Classifiable as a Human Carcinogen; BEI: 40 mg/L N-methylformamide in urine at end of shift

DFG MAK: 10 ppm (30 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Suspected carcinogen. Moderately toxic by ingestion, intravenous, subcutaneous, intramuscular, and intraperitoneal routes. Mildly toxic by skin contact and inhalation. Experimental teratogenic and reproductive effects. A skin and severe eye irritant. Human mutation data reported. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. Explosion hazard when exposed to flame. Explosive reaction with bromine, potassium permanganate, triethylaluminum + heat. Forms explosive mixtures with lithium azide (shock-sensitive above 200°C), uranium perchlorate. Ignition on contact with chromium trioxide. Violent reaction with chlorine, sodium hydroborate + heat, diisocyanatomethane, carbon tetrachloride + iron, 1,2,3,4,5,6-hexachlorocyclohexane + iron. Vigorous exothermic reaction with magnesium nitrate, sodium + heat, sodium hydride + heat, sulfinyl chloride + traces of iron or zinc, 2,4,6-trichloro-1,3,5-triazine (with gas evolution), and many other materials. Avoid contact with halogenated hydrocarbons, inorganic and organic nitrates, (2,5-dimethyl pyrrole + P(OC₂H₅)₃), C₆Cl₆, methylene diisocyanates, P₂O₃. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-66 or NIOSH: Dimethylformamide, 2004.

DSB200 CAS: 533-74-4 HR: 3 DIMETHYLFORMOCARBOTHIALDINE

mf: C₅H₁₀N₂S₂ mw: 162.29**PROP:** Crystals from Me₂CO/hexane. Mp: 106°. Sol in alc.

SYNS: BASAMID □ BASAMID G □ BASAMID-GRANULAR □ BASAMID P □ BASAMID-PUDER □ CARBOTHIALDIN □ CARBOTHIALDINE □ CRAG 974 □ CRAG FUNGICIDE 974 □ CRAG NEMACIDE □ CRAG 85W □ DAZOMET □ 3,5-DIMETHYLPERHYDRO-1,3,5-THIADIAZIN-2-THION (CZECH, GERMAN) □ 3,5-DIMETHYLTETRAHYDRO-1,3,5-THIADIAZINE-2-THIONE □ 3,5-DIMETHYLTETRAHYDRO-1,3,5-2H-THIADIAZINE-2-THIONE □ 3,5-DIMETHYL-1,2,3,5-TETRAHYDRO-1,3,5-THIADIAZINETHIONE-2 □ 3,5-DIMETHYLTETRAHYDRO-2H-1,3,5-THIADIAZINE-2-THIONE □ 3,5-DIMETHYL-1,3,5-2H-TETRAHYDROTHIADIAZINE-2-THIONE □ 3,5-DIMETHYL-2-THIONOTETRAHYDRO-1,3,5-THIADIAZINE □ 3,5-DIMETIL-PERIDRO-1,3,5-THIADIAZIN-2-TIONE (ITALIAN) □ DMTT □ PENNOSAN B 100 □ MICOFUME □ MYLON (CZECH) □ MYLONE □ MYLONE 85 □ N 521 □ NALCON 243 □ NEFUSAN □ PREZERVIT □ STAUFFER N 521 □ TETRAHYDRO-2H-3,5-DIMETHYL-1,3,5-THIADIAZINE-2-THIONE □ TETRAHYDRO-3,5-DIMETHYL-2H-1,3,5-THIADIAZINE-2-THIONE □ THIAZON □ THIAZONE □ 2-THIO-3,5-DIMETHYLTETRAHYDRO-1,3,5-THIADIAZINE □ TIAZON □ TROYSAN 142 □ UCC 974

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,204,72
 orl-rat LD50:320 mg/kg TXAPA9 9,521,66
 ihl-rat LC50:8400 mg/m³/4H PEMNDP 9,225,91
 skn-rat LD50:2260 mg/kg NNGADV 17,5327,92
 ipr-rat LD50:87 mg/kg TXAPA9 9,521,66
 orl-mus LD50:180 mg/kg TXAPA9 9,521,66
 skn-mus LD50:2400 mg/kg NNGADV 17,5327,92
 ipr-mus LDLo:50 mg/kg ARZNAD 21,121,71
 scu-mus LDLo:500 mg/kg AIPTAK 12,447,04
 ipr-dog LD50:47 mg/kg TXAPA9 9,521,66
 orl-rbt LD50:120 mg/kg TXAPA9 9,521,66
 ipr-rbt LD50:127 mg/kg TXAPA9 9,521,66
 orl-gpg LD50:160 mg/kg TXAPA9 9,521,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact and subcutaneous routes. A severe eye irritant. A mild primary skin irritant and sensitizer. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DSB300 CAS: 26261-57-4 HR: 1
DIMETHYL FUCHSIN**mf: C₂₁H₂₁N₃•ClH mw: 351.91**SYNS:** BENZENAMINE, 4-((4-AMINOPHENYL)(4-IMINO-3-METHYL-2,5-CYCLOHEXADIEN-1-YLIDENE)METHYL)-2-METHYL-, MONOHYDROCHLORIDE □ MAGENTA II**CONSENSUS REPORTS:** IARC Cancer Review: Animal Inadequate Evidence IMEMDT 57,215,93.**SAFETY PROFILE:** Questionable carcinogen. When heated to decomposition it emits toxic vapors of NO_x and HCl.**DSB400 CAS: 2175-91-9 HR: 3
6,6-DIMETHYLFULVENE**mf: C₈H₁₀ mw: 106.17**PROP:** Bp: 118-119°.**SAFETY PROFILE:** Peroxidizes in air to form a heat-sensitive explosive, insoluble peroxide. The peroxide ignites on contact with ether. When heated to decomposition it emits acrid smoke and fumes.**DSB600 CAS: 624-49-7 HR: 2
DIMETHYL FUMARATE**mf: C₆H₈O₄ mw: 144.14**PROP:** Crystals. Mp: 102°, bp: 88.5° @ 12 mm.**SYNS:** ALLOMALEIC ACID DIMETHYL ESTER □ BOLETIC ACID DIMETHYL ESTER □ trans-BUTENEDIOIC ACID DIMETHYL ESTER □ trans-1,2-ETHYLENEDICARBOXYLIC ACID DIMETHYL ESTER □ FUMARIC ACID, DIMETHYL ESTER**TOXICITY DATA with REFERENCE:**

skn-rbt 20 mg/24H MOD 85JCAE -,373,86
 eye-rbt 250 µg/24H SEV 85JCAE -,373,86
 orl-rat LD50:2240 mg/kg AIHAAP 30,470,69
 skn-rbt LD50:1250 mg/kg AIHAAP 30,470,69

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 acrid smoke and irritating fumes. See also ESTERS.**DSB800 CAS: 28802-49-5 HR: 2
DIMETHYL FURANE**mf: C₆H₈O mw: 96.14**SYN:** DIMETHYL FURAN**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open JIHTAB 26,269,44
 eye-rbt 20 mg SEV AJOPAA 29,1363,46
 orl-rat LD50:300 mg/kg JIDHAN 26,269,44
 skn-gpg LD50:1000 mg/kg JIHTAB 26,269,44

SAFETY PROFILE: A poison by ingestion.

Moderately toxic by skin contact. A skin and severe eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

**DSC000 CAS: 625-86-5 HR: 2
2,5-DIMETHYL FURANE**mf: C₆H₈O mw: 96.14**PROP:** Colorless liquid. Mp: -63°, bp: 94°, flash p: 60.8°F. D: 0.9026 @ 17.7°/4°, vap d: 3.31.**TOXICITY DATA with REFERENCE:**

dnr-bcs 190 µg/disc DFSCDX 13,353,86
 cyt-ham:ovr 8 mmol/L CALEDQ 13,89,81
 ihl-rat LCLo:500 ppm/4H JIHTAB 31,343,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by inhalation. Mutation data reported. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Keep away from heat and open flame. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DSC100 CAS: 4568-81-4 HR: 3
2,5-DIMETHYL-3-FURYL p-HYDROXYPHENYL
KETONE**

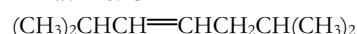
mf: $C_{13}H_{12}O_3$ mw: 216.25SYNS: DB 135 □ DIMETHYL-2,5 (HYDROXY 4 BENZOYL) 3
FURANNE □ KETONE, 2,5-DIMETHYL-3-FURYL p-
HYDROXYPHENYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:605 mg/kg AIPTAK 147,497,64

ivn-gpg LDLo:118 mg/kg AIPTAK 147,497,64

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**DSC200****HR: 3****DIMETHYLGLYCINE HYDROCHLORIDE mixed
with SODIUM NITRITE (3:1)**mf: $C_4H_8NO_2 \cdot ClH \cdot 1/3(NNaO_2)$ mw: 161.57**TOXICITY DATA with REFERENCE:**mmo-sat 30 μ mol/plate PSEBAA 164,9,80mma-sat 30 μ mol/plate PSEBAA 164,9,80**SAFETY PROFILE:** Sodium nitrite is a poison. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and Na_2O . See also SODIUM NITRITE.**DSC400****HR: 3****DIMETHYLGOLD SELENOCYANATE**mf: C_3H_6AuNSe mw: 332.02**CONSENSUS REPORTS:** Cyanide and its compounds, as well as selenium and its compounds, are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.2 mg(Se)/ m^3 **ACGIH TLV:** TWA 0.2 mg(Se)/ m^3 **DFG MAK:** 0.1 mg(Se)/ m^3 **SAFETY PROFILE:** A very shock-sensitive explosive. It explodes when precipitated from aqueous solutions. When heated to decomposition it emits toxic fumes of Se, CN^- and NO_x . See also SELENIUM COMPOUNDS and CYANIDE.**DSC800****CAS: 22583-29-5****HR: 3****as-DIMETHYLGUANIDINE HYDROCHLORIDE**mf: $C_3H_9N_3 \cdot ClH$ mw: 123.61**TOXICITY DATA with REFERENCE:**

scu-rat LDLo:284 mg/kg JPETAB 28,251,26

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of HCl and NO_x .**DSD000****HR: 3****2,6-DIMETHYL-2,5-HEPTADIEN-4-ONE
DIOZONIDE**mf: $C_9H_{14}O_7$ mw: 234.21**SAFETY PROFILE:** "Phorone" diozonide ignites spontaneously at room temperature. When heated to decomposition it emits acrid smoke and fumes.**DSD200****HR: 3****2,5-DIMETHYLHEPTANE**mf: C_9H_{20} mw: 128.26**PROP:** Liquid. Bp: 136°, flash p: 75.2°F, d: 0.715 @ 20°, vap d: 4.42.**SAFETY PROFILE:** Probably narcotic in high concentration. A mild irritant. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DSD400****CAS: 926-82-9****HR: 3****3,5-DIMETHYLHEPTANE**mf: C_9H_{20} mw: 128.26**PROP:** Liquid. Bp: 136°, flash p: 73.5°F, d: 0.723 @ 20°, vap press: 9.5 mm @ 25°, vap d: 4.42.**SAFETY PROFILE:** No toxicity information. A probable irritant and narcotic in high concentration. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DSD600****HR: 3****4,4-DIMETHYLHEPTANE**mf: C_9H_{20} mw: 128.26**PROP:** Liquid. Bp: 135.2°, flash p: 69.8°F, d: 0.72 @ 25°/4°, vap press: 10.4 mm @ 25°, vap d: 4.42.**SAFETY PROFILE:** No toxicity information. A probable irritant and narcotic in high concentration. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DSD775****CAS: 106-72-9****HR: 1****2,6-DIMETHYL-5-HEPTENAL**mf: $C_9H_{16}O$ mw: 140.23**PROP:** Pale-yellow liquid or oil; melon odor. D: 0.852–0.858, refr index: 1.443–1.448**SYN:** FEMA No. 2497**SAFETY PROFILE:** Skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DSD800****CAS: 2738-18-3****HR: 2****2,6-DIMETHYL-3-HEPTENE**mf: C_9H_{18} mw: 126.23**PROP:** Clear liquid. Bp: 128.5–129°, flash p: 59.8°F, d: 0.722 @ 15.5°/15.5°, vap press: 28.4 mm @ 38°, vap d: 4.38.**SAFETY PROFILE:** A probable irritant and narcotic in high concentration. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

DSE489 **CAS: 7226-23-5** **HR: 3**
1,3-DIMETHYLHEXAHYDROPYRIMIDONE
 mf: C₆H₁₂N₂O mw: 128.17



PROP: Bp: 146° @ 44 mm.

SYN: DIMETHYLPROPYLENEUREA

SAFETY PROFILE: Explodes on contact with chromium trioxide. When heated to decomposition it emits toxic fumes of NO_x.

DSE509 **CAS: 584-94-1** **HR: 3**
2,3-DIMETHYLHEXANE
 mf: C₈H₁₈ mw: 115.67
 (CH₃)₂CHCH₂CH₃CH₂CH₂CH₃

PROP: A clear liquid. Bp: 116°, flash p: 41.6°F, d: 0.716 @ 15.5°/15.5°, vap d: 4.1, autoign temp: 820°F.

SAFETY PROFILE: A probable irritant and narcotic in high concentration. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

DSE600 **CAS: 589-43-5** **HR: 3**
2,4-DIMETHYLHEXANE
 mf: C₈H₁₈ mw: 115.67
 (CH₃)₂CHCH₂CH₃CH₂CH₃

PROP: A liquid. Bp: 109°, flash p: 50°F(OC), d: 0.705 @ 15.5°/15.5°, vap d: 3.9.

SAFETY PROFILE: A probable irritant and narcotic in high concentration. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

DSE800 **HR: 3**
DIMETHYLHEXANE DIHYDROPEROXIDE (dry)

PROP: Fine, white crystals; insol in hydrocarbons; sltly sol in water, esters, and glycerin; sol in other org solvs. Mp: 104°.

SYNS: 2,5-DIMETHYL-2,5-DIHYDROPEROXYHEXANE, >82% with water (DOT) □ HEXANE, 2,5-DIMETHYL-, 2,5-DIHYDROPEROXIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: A reactive peroxide. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES, ORGANIC.

DSF100 **CAS: 25234-79-1** **HR: D**
3,4-DIMETHYL-2,5-HEXANEDIONE
 mf: C₈H₁₄O₂ mw: 142.22
PROP: Bp: 210°.

SYN: 2,5-HEXANEDIONE, 3,4-DIMETHYL-

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

DSF200 **CAS: 53306-53-9** **HR: 1**
DI(3-METHYLHEXYL)PHTHALATE
 mf: C₂₂H₃₄O₄ mw: 362.56

SYN: BIS(3-METHYLHEXYL)PHTHALIC ACID ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:35,500 mg/kg GTPZAB 24(3),25,80

orl-mus LD50:35,500 mg/kg GTPZAB 24(3),25,80

orl-gpg LD50:35,500 mg/kg GTPZAB 24(3),25,80

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

DSF300 **CAS: 77-71-4** **HR: 2**
5,5-DIMETHYLHYDANTOIN
 mf: C₅H₈N₂O₂ mw: 128.15

PROP: Prisms from EtOH. Mp: 175°. Sol in H₂O.

SYNS: 5,5-DIMETHYL-2,4-IMIDAZOLIDINEDIONE □ DMH □ 2,4-IMIDAZOLIDINEDIONE, 5,5-DIMETHYL- □ NSC-8652 □ T10

TOXICITY DATA with REFERENCE:

orl-rat LD50:7800 mg/kg GISAAA 47(6),76,82

scu-mus LD50:2800 mg/kg ARZNAD 4,723,54

unr-mus LD50:10 g/kg GISAAA 46(5),69,81

orl-rbt LD50:12,660 mg/kg GISAAA 47(6),76,82

orl-gpg LD50:8430 mg/kg GISAAA 47(6),76,82

unr-gpg LD50:5600 mg/kg GISAAA 46(5),69,81

unr-mam LD50:15,950 mg/kg GISAAA 46(5),69,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DSF400 **CAS: 57-14-7** **HR: 3**
1,1-DIMETHYLHYDRAZINE
DOT: UN 1163

mf: C₂H₈N₂ mw: 60.12

PROP: Colorless liquid; ammonia-like odor.

Hygroscopic, water-misc. Mp: -58°, bp: 63.3°, flash p: 5°F, d: 0.791 @ 22°, vap press: 157 mm @ 25°, vap d: 1.94, autoign temp: 480°F, lel: 2%, uel: 95%. Sol in H₂O and EtOH. IDLH 15 ppm.

SYNS: DIMAZINE □ DIMETHYLHYDRAZINE □ asym-DIMETHYLHYDRAZINE □ N,N-DIMETHYLHYDRAZINE □ uns-DIMETHYLHYDRAZINE □ unsym-DIMETHYLHYDRAZINE □ 1,1-DIMETHYLHYDRAZINE (GERMAN) □ DIMETHYLHYDRAZINE, unsymmetrical (DOT) □ DMH □ NIESYMETRY-CZNA DWU METYLOHYDRAZYNA (POLISH) □ RCRA WASTE NUMBER U098 □ UDMH (DOT)

TOXICITY DATA with REFERENCE:

otr-hmn:fbr 167 μmol/L PNASA6 80,7219,83

dnd-hmn:fbr 300 μmol/L ENMUDM 7,267,85

orl-mus TDLo:5880 mg/kg/42W-C:CAR JNCIAM 50,181,73

orl-ham TDLo:228 g/kg/48W-I:CAR CANCAR 40,2427,77

orl-rat LD50:122 mg/kg MEPAAX 24,71,73

ihl-rat LC50:252 ppm/4H AMIHAB 12,609,55

ipr-rat LD50:102 mg/kg TXAPA9 6,371,64

ivn-rat LD50:119 mg/kg MEPAAX 24,71,73

ice-rat LDLo:27 mg/kg BCPCA6 14,1901,65

orl-mus LD50:265 mg/kg MEPAAX 24,71,73

ihl-mus LC50:172 ppm/4H AMIHAB 12,609,55

ipr-mus LD50:113 mg/kg PSEBAA 124,172,67
 ivn-mus LD50:250 mg/kg MEPAAX 24,71,73
 ihl-dog LC50:3580 ppm/15M AIHAAP 24,137,63

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 4,137,74. EPA Genetic Toxicology Program. Community Right-To-Know List. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 ppm (skin)

ACGIH TLV: TWA 0.01 ppm (skin), Confirmed Animal Carcinogen.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Hydrazines) CL 0.15 mg/m³/2H

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid, Corrosive

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic data. Other experimental reproductive effects. Poison by ingestion, intraperitoneal, intravenous, and intracerebral routes. Moderately toxic by inhalation and skin contact. Human mutation data reported. A plant growth control agent. Corrosive. A powerful reducing agent. A dangerous fire hazard. It is hypergolic with many oxidants (e.g., dinitrogen tetroxide, hydrogen peroxide, and nitric acid). Dangerous when exposed to heat, flame, or oxidizers; can react vigorously with oxidizing materials such as air, fuming HNO₃, (HNO₃ + N₂O₄), NO. A high-energy propellant for liquid-fueled rockets. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits highly toxic fumes of NO_x. See also HYDRAZINE.

DSF600 CAS: 540-73-8 HR: 3
1,2-DIMETHYLHYDRAZINE

DOT: UN 2382

mf: C₂H₈N₂ mw: 60.12

PROP: Clear, colorless, flammable, hygroscopic, fuming liquid; fishy ammonia odor. Flash p: <73.4°F, bp: 81°, mp: -9°, d: 0.8274 @ 20°/4°. Sol in H₂O, EtOH, etc.

SYNS: 1,2-DIMETHYLHYDRAZIN (GERMAN) □ DIMETHYLHYDRAZINE, symmetrical (DOT) □ N,N'-DIMETHYLHYDRAZINE □ sym-DIMETHYLHYDRAZINE □ 1,2-DIMETHYLHYDRAZINE □ DMH □ HYDRAZOMETHANE □ RCRA WASTE NUMBER U099 □ SDMH □ SYMETRYCZNA DWUMETYLOHYDRAZYNA (POLISH)

TOXICITY DATA with REFERENCE:

otr-hmn:fbr 230 µmol/L CALEDQ 29,265,85
 dns-hmn:lng 100 µL/L NTIS** AD-A041-973
 sce-mus-rec 20 mg/kg ENMUDM 8(Suppl 6),41,86
 hma-mus/esc 50 µmol/kg MUREAV 148,1,85
 dnd-ham:lng 2 mmol/L MUREAV 173,157,86
 sce-mus-ipr 270 µmol/kg TCMUD8 9,219,89
 orl-rat LD50:100 mg/kg NATWAY 54,285,67
 ihl-rat LCLo:280 ppm/4H AMIHAB 12,609,55
 ipr-rat LD50:163 mg/kg MEPAAX 24,71,73
 scu-rat LD50:220 mg/kg XENOBH 3,271,73
 ivn-rat LD50:176 mg/kg MEPAAX 24,71,73
 orl-mus LD50:36 mg/kg MEPAAX 24,71,73
 ipr-mus LD50:35 mg/kg MEPAAX 24,71,73
 scu-mus LD50:24 mg/kg TOLED5 8,87,81

ivn-mus LD50:29 mg/kg MEPAAX 24,71,73
 ivn-dog LD50:100 mg/kg MEPAAX 24,71,73
 ims-ham LD50:95 mg/kg ARZNAD 19,1891,69

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 4,145,74. EPA Genetic Toxicology Program.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by ingestion, intraperitoneal, intravenous, subcutaneous, and intramuscular routes. Moderately toxic by inhalation. Human mutation data reported. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. A high-energy propellant for liquid-fueled rockets. When heated to decomposition it emits toxic fumes of NO_x.

DSF800 CAS: 306-37-6 HR: 3
1,2-DIMETHYLHYDRAZINE DIHYDRO-CHLORIDE

mf: C₂H₈N₂•2ClH mw: 133.04

PROP: A solid. Mp: 170°.

SYNS: N,N'-DIMETHYLHYDRAZINE DIHYDROCHLORIDE □ sym-DIMETHYLHYDRAZINE DIHYDROCHLORIDE □ DMH

TOXICITY DATA with REFERENCE:

otr-rat-ipr 100 mg/kg CALEDQ 26,191,82
 dnd-rat-trl 1700 µg/kg/2D-C CRNGDP 4,529,83
 dns-rat-trl 1700 µg/kg/4D-C CRNGDP 4,529,83
 dni-rat-trl 1700 µg/kg/2D-C CRNGDP 4,529,83
 dni-mus:oth 500 µmol/L JJIND8 68,1015,82
 orl-rat LD50:100 mg/kg 23HZAR -,267,70
 scu-rat LD50:122 mg/kg NTIS** AD-A062-138
 scu-mus LD50:25,400 µg/kg CRNGDP 3,603,82
 scu-ham LD50:50 mg/kg NTIS** AD-A062-138

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

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by ingestion and subcutaneous routes. Experimental reproductive effects. Mutation data reported. A rocket fuel. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

DSG000 CAS: 593-82-8 HR: 3
1,1-DIMETHYLHYDRAZINE HYDROCHLORIDE

mf: C₂H₈N₂•ClH mw: 96.58

PROP: Hygroscopic crystals from EtOH. Mp: 83°.

TOXICITY DATA with REFERENCE:

mno-sat 20 mg/plate MUREAV 66,247,79
 dni-hmn:hlas 6 mmol/L CRNGDP 13,2389,92
 orl-rat LD50:196 mg/kg AMIHAB 13,34,56
 ipr-rat LD50:210 mg/kg AMIHAB 13,34,56
 ivn-rat LD50:191 mg/kg AMIHAB 13,34,56
 orl-mus LD50:426 mg/kg AMIHAB 13,34,56
 ipr-mus LD50:466 mg/kg AMIHAB 13,34,56
 ivn-mus LD50:402 mg/kg AMIHAB 13,34,56
 ivn-dog LD50:96 mg/kg AMIHAB 13,34,56

NIOSH REL: (Hydrazines) CL 0.15 mg/m³/2H

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

DSG200 CAS: 56400-60-3 HR: 3
1,2-DIMETHYLHYDRAZINE HYDROCHLORIDE

mf: C₂H₈N₂•ClH mw: 96.58

SYNS: sym-DIMETHYLHYDRAZINE HYDROCHLORIDE □ DMH

TOXICITY DATA with REFERENCE:

dns-mus-ori 20 mg/kg FEPRA7 33,596,74
 ori-rat LD50:257 mg/kg AMIHAB 13,34,56
 ipr-rat LD50:262 mg/kg AMIHAB 13,34,56
 ivn-rat LD50:281 mg/kg AMIHAB 13,34,56
 ori-mus LD50:58 mg/kg AMIHAB 13,34,56
 ipr-mus LD50:56 mg/kg AMIHAB 13,34,56
 scu-mus LD50:12 mg/kg BIJOAK 122,121,71
 ivn-mus LD50:47 mg/kg AMIHAB 13,34,56
 ivn-dog LD50:161 mg/kg AMIHAB 13,34,56

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO_x. See also 1,1-DIMETHYLHYDRAZINE.

DSG300 CAS: 119301-53-0 HR: D
1,2-DIMETHYLHYDRAZINE OXALATE

mf: C₂H₈N₂•C₂H₂O₄ mw: 150.16

SYNS: 1,2-DIMETHYLHYDRAZINE ETHANEDIOATE (1:1) □ HYDRAZINE, 1,2-DIMETHYL-, ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 10 μmol/plate MUREAV 301,213,1993

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

DSG320 CAS: 28846-35-7 HR: 3
9-(2,2-DIMETHYLHYDRAZINO)ACRIDINE

mf: C₁₅H₁₅N₃ mw: 237.33

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

TOXICITY DATA with REFERENCE:

ori-rat LDLo:2500 μg/kg USXXAM #3712943

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

DSG330 CAS: 1086-34-6 HR: 3
9-(2,2-DIMETHYLHYDRAZINO)ACRIDINE MONOHYDROCHLORIDE

mf: C₁₅H₁₅N₃•ClH mw: 273.79

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

TOXICITY DATA with REFERENCE:

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

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

DSG340 CAS: 28846-38-0 HR: 3

9-(2,2-DIMETHYLHYDRAZINO)ACRIDINE MONO(METHYL SULFATE)

mf: C₁₅H₁₅N₃•CH₄O₄S mw: 349.44

SYN: ACRIDINE, 9-(2,2-DIMETHYLHYDRAZINO)-, MONO(METHYL SULFATE)

TOXICITY DATA with REFERENCE:

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

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

DSG400 CAS: 26049-69-4 HR: 3
2-(2,2-DIMETHYLHYDRAZINO)-4-(5-NITRO-2-FURYL)THIAZOLE

mf: C₉H₁₀N₄O₃S mw: 254.29

SYN: DMNT

TOXICITY DATA with REFERENCE:

mma-sat 100 ng/plate MUREAV 40,9,76
 dnr-sat 500 nmol/well CNREA8 34,2266,74
 mmo-esc 300 nmol/well CNREA8 34,2266,74
 mrc-esc 500 nmol/well CNREA8 34,2266,74
 pic-esc 1 mg/L MUREAV 26,3,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DSG600 CAS: 868-85-9 HR: 3
DIMETHYL HYDROGEN PHOSPHITE

mf: C₂H₇O₃P mw: 110.06

PROP: D: 1.20 @ 20°/4°, bp: 56.5° @ 8 mm.

SYNS: BIS(HYDROXYMETHYL)PHOSPHINE OXIDE □ DIMETHOXYPHOSPHINE OXIDE □ DIMETHYL ACID PHOSPHITE □ DIMETHYLESTER KYSELINY FOSFORITE (CZECH) □ DIMETHYL FOSFIT □ DIMETHYL FOSFONAT □ DIMETHYLHYDROGENPHOSPHITE □ DIMETHYL PHOSPHITE □ DIMETHYL PHOSPHONATE □ DIMETHYL PHOSPHOROUS ACID □ HYDROGEN DIMETHYL PHOSPHITE □ METHYL PHOSPHONATE □ NCI-C54773 □ PHOSPHOROUS ACID DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,215,72
 eye-rbt 20 mg/24H MOD 28ZPAK -,215,72
 mma-sat 7500 μg/plate ENMUDM 8(Suppl 7),1,86
 ori-rat LD50:3050 mg/kg ALBRW* #OPB-3,84
 skn-rbt LD50:2400 mg/kg ALBRW* #OPB-3,84

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 48,85,90; Animal Limited Evidence IMEMDT 48,85,90. NTP Carcinogenesis Studies (gavage); No Evidence: mouse NTPTR* NTP-TR-287,85; Clear Evidence: rat NTPTR* NTP-TR-287,85. Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Moderately toxic by ingestion and skin contact. A skin and eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of PO_x.

DSG700 CAS: 654-42-2 HR: 3**2,6-DIMETHYLHYDROQUINONE**mf: C₈H₁₀O₂ mw: 138.18**PROP:** Crystals from xylene. Mp: 149–151°.**SYNS:** 2,6-DIMETHYL-1,4-BENZENEDIOL (9CI) □ DMHQ □ m-XHQ □ m-XYLOHYDROQUINONE □ 2,6-XYLOHYDROQUINONE □ 2,6-XYLOQUINOL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:186 mg/kg IJEBA6 2,23,64

ipr-mus LD50:117 mg/kg IJEBA6 2,23,64

ipr-cat LDLo:20 mg/kg IJEBA6 2,23,64

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An experimental teratogen. Human reproductive effects by ingestion: impaired spermatogenesis in men and changes in fertility in women. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**DSH000 CAS: 2019-14-9 HR: 3****DIMETHYL(2-HYDROXYETHYL)OCTYL-AMMONIUM BROMIDE BENZILATE**mf: C₂₆H₃₈NO₃•Br mw: 492.56**PROP:** Crystals from Me₂CO. Mp: 115°.**SYNS:** AD-205 □ (2-BENZILOXYETHYL)DIMETHYLOCTYLAMMONIUM BROMIDE □ BENZILSAEURE-DIMETHYL-OCTYL-AMMONIUM-AETHYLESTER BROMIDE (GERMAN)**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1150 mg/kg TXAPA9 5,225,63

ipr-mus LD50:104 mg/kg TXAPA9 5,225,63

scu-mus LD50:850 mg/kg TXAPA9 5,225,63

ivn-mus LD50:17,500 µg/kg TXAPA9 5,225,63

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Br⁻.**DSH200 CAS: 56927-39-0 HR: 3****DIMETHYL(2-HYDROXYETHYL)PENTYL-AMMONIUM BROMIDE BENZILATE**mf: C₂₃H₃₂NO₃•Br mw: 450.47**SYN:** BENZILSAEURE-DIMETHYL-PENTYL-AMMONIUM-AETHYLESTER BROMIDE (GERMAN)**TOXICITY DATA with REFERENCE:**

scu-mus LD50:230 mg/kg ARZNAD 10,763,60

ivn-mus LD50:12 mg/kg ARZNAD 10,763,60

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃ and Br⁻.**DSH400 CAS: 69928-30-9 HR: 2****3,5-DIMETHYL-3-HYDROXYHEXANE-4-CARBOXYLIC ACID-β-LACTONE**mf: C₉H₁₆O₂ mw: 156.25**SYN:** 4-ETHYL-3-ISOPROPYL-4-METHYL-1-OXACYCLOBUTAN-2-ONE**TOXICITY DATA with REFERENCE:**

eye-rbt 20 mg open SEV AMIHBC 10,61,54

orl-rat LD50:2700 mg/kg AMIHBC 10,61,54

SAFETY PROFILE: Moderately toxic by ingestion. A severe eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DSH500 CAS: 72917-35-2 HR: D****1,4-DIMETHYL-6-HYDROXY-3-NITRO-CARBAZOLE**mf: C₁₄H₁₂N₂O₃ mw: 256.28**SYNS:** 9H-CARBAZOL-3-OL, 5,8-DIMETHYL-6-NITRO- □ 5,8-DIMETHYL-6-NITRO-9H-CARBAZOL-3-OL**TOXICITY DATA with REFERENCE:**

mic-sat 25 µLg/plate MUREAV 389,247,1997

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DSH600 CAS: 58344-42-6 HR: 2**
4-(4,4-DIMETHYL-3-HYDROXY-1-PENTENYL)-2-METHOXYPHENOLmf: C₁₄H₂₀O₃ mw: 236.34**TOXICITY DATA with REFERENCE:**

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

eye-rbt 750 µg SEV AMIHBC 4,119,51

ipr-mus LD50:1800 mg/kg EJMAC5 13,41,78

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A skin and severe eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DSH700 CAS: 66634-53-5 HR: 3**
N,N-DIMETHYL-β-HYDROXYPHENETHYLAMINEmf: C₁₀H₁₅NO mw: 165.26**SYNS:** α-(DIMETHYLAMINOMETHYL)BENZYL ALCOHOL □ β-HYDROXY-β-PHENYLETHYL DIMETHYLAMINE**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:826 mg/kg AIPAK 47,96,34

ivn-mus LD50:56 mg/kg CSLNX* NX#04125

ivn-rbt LDLo:132 mg/kg AIPAK 47,96,34

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**DSH800 CAS: 27945-43-3 HR: 3****3-(3,5-DIMETHYL-4-HYDROXYPHENYL)-2-METHYL-4(3H)-QUINAZOLINONE**mf: C₁₇H₁₆N₂O₂ mw: 280.35**SYNS:** 3-(4-HYDROXY-3,5-XYLYL)-2-METHYL-4(3H)-QUINAZOLINONE □ 2-METHYL-3-(3,5-DIMETHYL-4-HYDROXYPHENYL)-3,4-DIHYDROQUINAZOLIN-4-ONE □ SRC-226**TOXICITY DATA with REFERENCE:**

orl-rat LD50:230 mg/kg IJPAAO 37,109,75

orl-mus LD50:775 mg/kg IJPAAO 37,109,75

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**DSI000 CAS: 1505-26-6 HR: 3****1,2-DIMETHYL-3-(m-HYDROXYPHENYL)-3-PROPYLPYRROLIDINE**mf: C₁₅H₂₃N mw: 217.39**SYN:** m-(1,2-DIMETHYL-3-PROPYL-3-PYRROLIDINYL)PHENOL**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:97 mg/kg JMCMA 8,316,65

orl-mus LDLo:300 mg/kg CHTPBA 7,450,72

ipr-mus LDLo:300 mg/kg CHTPBA 7,450,72

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

DSI200 CAS: 66941-43-3 HR: 3
(2,2-DIMETHYL-3-HYDROXYPROPYL)TRIETHYLAMMONIUM BROMIDE TROPATE (ESTER)

mf: C₂₀H₃₄NO₃•Br mw: 416.46

SYN: TROPASAEUREESTER DES 3-TRIAETHYLAMMONIUM-2,2-DIMETHYL-1-PROPANOLBROMID (GERMAN)

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:80 mg/kg AEPPAE 173,86,33

ivn-mus LDLo:70 mg/kg AEPPAE 173,86,33

unr-frg LDLo:3000 mg/kg AEPPAE 173,86,33

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by an unspecified route. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Br⁻. See also ESTERS.

DSI250 CAS: 30652-11-0 HR: 2
1,2-DIMETHYL-3-HYDROXYPYRID-4-ONE

mf: C₇H₉NO₂ mw: 139.17

SYNS: CP20 □ CP20 (CHELATING AGENT) □ DEFERIPRONE □ 4(1H)-PYRIDINONE, 1,2-DIMETHYL-3-HYDROXY- □ 1,2-DIMETHYL-3-HYDROXY-4(1H)-PYRIDINONE □ L1 □ 4(1H)-PYRIDONE, 3-HYDROXY-1,2-DIMETHYL-(8CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg ATSUDG 18,202,1996

ipr-mus LD50:983 mg/kg BLOOAW 76,2389,1990

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

DSI489 CAS: 29128-41-4 HR: 3
DIMETHYL HYPONITRILE

mf: C₂H₆N₂O₂ mw: 90.08

PROP: Fragrant liquid.

SYN: DIMETHOXYDIAZENE

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

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

DSI709 CAS: 50-47-5 HR: 3
DIMETHYLIMIPRAMINE

mf: C₁₈H₂₂N₂ mw: 266.42

PROP: Bp: 172–174° @ 0.02 mm.

SYNS: DEMETHYLIMIPRAMINE □ DESIMIPRAMINE □ DESIPRAMIN □ DESIPRAMINE (D4) □ DESMETHYL-IMIPRAMINE □ DMI □ DMI 50475 □ METHYLAMINOPROPYLIMINODIBENZYL □ MONODEMETHYLIMIPRAMINE □ NORIMIPRAMINE □ PENTOFRAN □ PERTOFRAN □ PERTOFRANE □ SERTOFRAN

TOXICITY DATA with REFERENCE:

dnd-esc 20 μmol/L MUREAV 89,95,81

cyt-oin-unr 10 g/L JCLBA3 47,182a,70

orl-wmn LDLo:30 mg/kg:BRN,CNS 34ZIAG -,201,69

orl-chd LDLo:125 mg/kg:CNS,PUL PSYPAG 10,431,67

orl-hmn LDLo:30 mg/kg:CNS,BRN,PUL DMWOAX 93,117,68

orl-rat LD50:375 mg/kg ARZNAD 19,1617,69

ipr-rat LD50:48 mg/kg ARZNAD 20,1561,70

scu-rat LD50:183 mg/kg ARZNAD 20,1561,70

ivn-rat LD50:29 mg/kg AIPTAK 148,560,64

orl-mus LD50:448 mg/kg JJPAAZ 21,47,71

ipr-mus LD50:85 mg/kg ARZNAD 21,1727,71

scu-mus LD50:214 mg/kg FRPPAO 25,519,70

ivn-mus LD50:22 mg/kg APSXAS 12,173,75

SAFETY PROFILE: Human poison by ingestion. Experimental poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. Human systemic effects by ingestion: degenerative brain changes, tremors, coma, and cyanosis. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. An antidepressant. Related to diazepam. When heated to decomposition it emits toxic fumes of NO_x.

DSI800 CAS: 17309-87-4 HR: 2
N,N-DIMETHYL-p-(6-INDAZYLAZO)ANILINE

mf: C₁₅H₁₅N₅ mw: 265.35

SYNS: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)-1H-INDAZOLE □ N,N-DIMETHYL-4-(6'-1H-INDAZYLAZO)ANILINE

TOXICITY DATA with REFERENCE:

mma-sat 20 μg/plate MUREAV 93,67,82

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

DSI850 CAS: 91-55-4 HR: D
2,3-DIMETHYLINDOLE

mf: C₁₀H₁₁N mw: 145.22

SYNS: 2,3-DIMETHYL-1H-INDOLE □ INDOLE, 2,3-DIMETHYL- □ 1H-INDOLE, 2,3-DIMETHYL-(9CI)

TOXICITY DATA with REFERENCE:

mmo-sat 2500 nmol/plate TXYAC 18,219,80

mma-sat 3 μmol/plate TXYAC 23,1,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DSI889 HR: 3
DIMETHYLIODOARSINE

mf: C₂H₆AsI mw: 231.90

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

SAFETY PROFILE: Ignites when heated in air. When heated to decomposition it emits toxic fumes of I⁻ and As. See also ARSENIC COMPOUNDS and IODIDES.

DSJ200 CAS: 10143-20-1 HR: 1
2,8-DIMETHYL-6-ISOBUTYLNONANOL-4

mf: C₁₅H₃₂O mw: 228.47

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:16 g/kg AMIHBC 10,61,54

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

DSJ800 CAS: 489-84-9 HR: 2**1,4-DIMETHYL-7-ISOPROPYLAZULENE**mf: C₁₅H₁₈ mw: 198.33**PROP:** Blue-violet plates from EtOH or blue oil. Mp: 31.5°, bp: 167–168°.**SYNS:** AZULON □ s-GUAIAZULENE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1550 mg/kg ARZNAD 19,615,69

orl-mus LD50:1300 mg/kg ARZNAD 19,615,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**DSK200 CAS: 119-38-0 HR: 3****DIMETHYL-5-(1-ISOPROPYL-3-METHYL-PYRAZOLYL)CARBAMATE**mf: C₁₀H₁₇N₃O₂ mw: 211.30**SYNS:** DIMETHYLCARBAMATE-*d*¹-ISOPROPYL-3-METHYL-5-PYRAZOLYLE (FRENCH) □ DIMETHYLCARBAMIC ACID 3-METHYL-1-(1-METHYLETHYL)-1H-PYRAZOL-5-YL ESTER □ ENT 19,060 □ GEIGY G-23611 □ ISOLAN □ ISOLANE (FRENCH) □ (1-ISOPROPYL-3-METIL-1H-PIRAZOL-5-IL)-N,N-DIMETIL-CARBAMMATO (ITALIAN) □ (1-ISOPROPYL-3-METHYL-1H-PYRAZOL-5-YL)-N,N-DIMETHYLCARBAMAAT (DUTCH) □ (1-ISOPROPYL-3-METHYL-1H-PYRAZOL-5-YL)-N,N-DIMETHYLCARBAMAT (GERMAN) □ ISOPROPYLMETHYLPYRAZOYL DIMETHYLCARBAMATE □ 1-ISOPROPYL-3-METHYL-5-PYRAZOLYL DIMETHYLCARBAMATE □ 1-ISOPROPYL-3-METHYLPYRAZOYL-(5)-DIMETHYLCARBAMATE □ 5-METHYL-2-ISOPROPYL-3-PYRAZOYL DIMETHYLCARBAMATE □ PRIMIN □ SAOLAN**TOXICITY DATA with REFERENCE:**

mmo-smc 5 ppm RSTUDV 6,161,76

orl-rat LD50:10,800 µg/kg PESTD5 17,351,76

skn-rat LD50:5600 µg/kg 85DPAN -,71/76

ipr-rat LD50:2150 µg/kg PESTD5 17,351,76

orl-mus LD50:9800 µg/kg PESTD5 17,351,76

ipr-mus LD50:1 mg/kg TXAPA9 6,402,64

orl-bwd LD50:8600 µg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** Poison by ingestion, skin contact, and intraperitoneal routes. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. An insecticide. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.**DSK300 CAS: 74038-78-1 HR: 3****4,4-DIMETHYL-1-ISOPROPYL-2-NONYL-2-IMIDAZOLINE**mf: C₁₇H₃₄N₂ mw: 266.53**SYN:** 2-IMIDAZOLINE, 4,4-DIMETHYL-1-ISOPROPYL-2-NONYL-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:8 mg/kg CSLNX* NX#00039

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**DSK600 CAS: 2674-91-1 HR: 3****O,O-DIMETHYL-S-ISOPROPYL-2-SULFINYLETHYLPHOSPHOROTHIOATE**mf: C₇H₁₇O₄PS₂ mw: 260.33**SYNS:** S-2-AETHYLSULFINYL-1-METHYL AETHYL-O,O-DIMETHYL-MONOTHIOPHOSPHAT □ BAY 23655 □ BAYER 23655 □ ENT 25,674 □ ESP □ ESTON □ ESTOX □ S-2-ETHYL-SULFINYL-1-METHYL-ETHYL-O,O-DIMETHYL-MONOTHIOFOSFAAT □ S-2-ETHYL-SULPHINYL-1-METHYL-ETHYL-O,O-DIMETHYL PHOSPHOROTHIOATE □ S-2-ETIL-SULFINIL-1-METIL-ETIL-O,O-DIMETIL-MONOTIOFOSFATO □ METASYS-TOX-S □ OXYDEPROFOS □ OXYPHIONFOS □ PHOSPHOROTHIOIC ACID, O,O-DIMETHYL S-(ETHYLSULFINYL-(2-ISOPROPYL)) ESTER □ S410 □ THIOMETAN □ THIOPHOSPHATE de O,O-DIMETHYLE et de S-2-(ISOPROPYLSULFINYL)-ETHYLE**TOXICITY DATA with REFERENCE:**

mmo-sat 50 mg/plate MUREAV 116,185,83

orl-rat LD50:89 mg/kg NNGADV 17,3309,92

skn-rat LD50:820 mg/kg NNGADV 17,3309,92

ipr-rat LD50:27 mg/kg NNGADV 17,3309,92

scu-rat LD50:29 mg/kg NNGADV 17,3309,92

orl-mus LD50:58,700 µg/kg YKYUA6 30,623,79

ipr-mus LD50:30 mg/kg TXAPA9 4,621,62

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Mutation data reported. When heated to decomposition it emits very toxic fumes of PO_x and SO_x.**DSK800 CAS: 36614-38-7 HR: 3****O,O-DIMETHYL-S-2-(ISOPROPYLTHIO)ETHYL-PHOSPHORODITHIOATE**mf: C₇H₁₇O₂PS₃ mw: 260.39**PROP:** Light-yellow-brown liquid with slt aromatic odor. D: 1.18 @ 20°/4°, bp: 53–56° @ 0.01 mm.**SYNS:** HODSON □ HOSALON □ HOSDON GRANULE □ S-2-ISOPROPYLTHIOETHYL-O,O-DIMETHYL PHOSPHORODITHIOATE □ ISOTHIOATE □ PHOSPHORODITHIOIC ACID-O,O-DIMETHYL-S-(2-((1-METHYLETHYL)THIO)ETHYL) ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:150 mg/kg 28ZEAL 5,134,76

orl-mus LD50:50 mg/kg FMCHA2 -,C128,83

skn-mus LD50:240 mg/kg FMCHA2 -,C128,83

SAFETY PROFILE: Poison by ingestion and skin contact. When heated to decomposition it emits very toxic fumes of PO_x and SO_x.**DSK900 CAS: 534-13-4 HR: 2****1,3-DIMETHYLISOTHIOUREA**mf: C₃H₈N₂S mw: 104.19**PROP:** Colorless, exceedingly deliquescent crystals. Mp: 52°. Very sol in water, alc, acetone; sparingly sol in benzene, ether, carbon disulfide; very sltly sol in pet ether.**SYNS:** DIMETHYLTHIOCARBAMIDE □ N,N'-DIMETHYLTHIOCARBAMIDE □ sym-DIMETHYLTHIOUREA □ 1,3-DIMETHYLTHIOUREA**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:500 mg/kg TJADAB 23,335,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Experimental teratogenic and reproductive effects. When

heated to decomposition it emits toxic fumes of SO_x and NO_x.

DSK950 CAS: 300-87-8 HR: 2
3,5-DIMETHYLISOXAZOLE

mf: C₅H₇NO mw: 97.13

SYNS: DMI □ 3,5-DWUMETYLOIZOKSAZOLU □ ISOXAZOLE, 3,5-DIMETHYL- □ U 21221

TOXICITY DATA with REFERENCE:

ipr-mus LD50:880 mg/kg DIPHAH 18,19,66

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.

DSL000 CAS: 6155-81-3 HR: 2
Nⁱ-(3,4-DIMETHYL-5-ISOXAZOLYL)SULFANIL-AMIDE LITHIUM SALT

mf: C₁₁H₁₃N₃O₃S•Li mw: 274.27

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg JPETAB 88,47,46

scu-mus LD50:5000 mg/kg JPETAB 88,47,46

ivn-mus LD50:2500 mg/kg JPETAB 88,47,46

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. Mildly toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also LITHIUM COMPOUNDS.

DSL200 CAS: 2200-44-4 HR: 2
Nⁱ-(3,4-DIMETHYL-5-ISOXAZOLYL)SULFANIL-AMIDE SODIUM SALT

mf: C₁₁H₁₃N₃O₃S•Na mw: 290.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg JPETAB 88,47,46

ipr-rat LD50:3200 mg/kg JPETAB 88,47,46

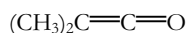
orl-mus LD50:1 g/kg JPETAB 88,47,46

ivn-mus LD50:2300 mg/kg JPETAB 88,47,46

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

DSL289 CAS: 598-26-5 HR: 3
DIMETHYLKETENE

mf: C₄H₆O mw: 70.09



PROP: Pale-yellow liquid. Fp -97.5°, bp: 34°.

SYN: 2-METHYL-1-PROPENE-1-ONE

SAFETY PROFILE: Upon exposure to air it forms the very unstable explosive peroxide poly(peroxyisobutyrolactone). The peroxide is heat- and friction-sensitive and will also explode upon evaporation. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DSL400 CAS: 20917-34-4 HR: 3
DIMETHYL LEAD DIACETATE

mf: C₆H₁₂O₄Pb mw: 355.37

SYN: DIACETOXYDIMETHYLPLUMBANE

TOXICITY DATA with REFERENCE:

orl-mus LD50:120 mg/kg CRSBAW 162,1456,68

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

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

DSL600 CAS: 2999-74-8 HR: 3
DIMETHYLMAGNESIUM

mf: C₂H₆Mg mw: 54.38

PROP: A solid. Stable to 2°.

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: The solid and its solution in ether ignite on contact with water. The powder ignites on contact with moist air. When heated to decomposition it emits irritating fumes of MgO. See also MAGNESIUM COMPOUNDS.

DSL800 CAS: 624-48-6 HR: 2
DIMETHYL MALEATE

mf: C₆H₈O₄ mw: 144.14

PROP: Liquid. Mp: -17.5°, bp: 205.0°, flash p: 235°F (OC), d: 1.15 @ 14°/4°, vap press: 1 mm @ 45.7°, vap d: 4.97.

SYNS: DIMETHYLESTER KYSELINY MALEINOVE □ MALEIC ACID, DIMETHYL ESTER □ METHYL MALEATE □ SIPOMER DMM

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg AJOPAA 29,1363,46

orl-rat LDLo:1410 mg/kg AIHAAP 23,95,62

skn-rbt LD50:530 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. See also ESTERS and MALEIC ACID.

DSM000 CAS: 766-39-2 HR: 2
α,β-DIMETHYLMALEIC ANHYDRIDE

mf: C₆H₆O₃ mw: 126.12

PROP: Pearly plates or leaflets. Mp: 96°, bp: 223°.

SYN: DIMETHYLMALEIC ANHYDRIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DSM200 CAS: 108-59-8 HR: 1
DIMETHYL MALONATE

mf: C₅H₈O₄ mw: 132.13

PROP: Bp: 181°.

SYNS: DIMETHYL PROPANEDIOATE □ MALONIC ACID DIMETHYL ESTER □ METHYL MALONATE □ PROPANEDIOIC ACID DIMETHYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 17,363,79

orl-rat LD50:5331 mg/kg FCTXAV 17,363,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. Violent reaction with CH_3N_3 occurred with NaOCH_3 present. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DSM289 CAS: 33212-68-9 HR: 3
DIMETHYL MANGANESE

mf: $\text{C}_2\text{H}_6\text{Mn}$ mw: 85.01

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

SAFETY PROFILE: An unstable explosive. Ignites spontaneously in air. See also MANGANESE COMPOUNDS.

DSM450 CAS: 593-74-8 HR: 3
DIMETHYL MERCURY

mf: $\text{C}_2\text{H}_6\text{Hg}$ mw: 230.67

PROP: Volatile, colorless liquid with faint sweet odor. D: 3.1874 @ 20°/4°, bp: 92° @ 761 mm. Insoluble in water; very sol in alc and ether.

SYN: MERCURY, DIMETHYL

TOXICITY DATA with REFERENCE:

dnd-mmo-omi 600 mg/L NATUAS 257,422,75

oth-mus:oth 25 mg/L MUREAV 17,93,73

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 58,239,93; Human Inadequate Evidence IMEMDT 58,239,93. Reported in EPA TSCA Inventory.

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

SAFETY PROFILE: Suspected carcinogen. Highly toxic. Mutation data reported. Easily flammable. When heated to decomposition it emits toxic fumes of Hg.

DSM480 CAS: 129117-54-0 HR: D
1,4-DIMETHYL-6-METHOXY-3-AMINO-CARBAZOLE

mf: $\text{C}_{15}\text{H}_{16}\text{N}_2\text{O}$ mw: 240.33

SYNS: 9H-CARBAZOL-3-AMINE, 1,4-DIMETHYL-6-METHOXY-
□ 1,4-DIMETHYL-6-METHOXY-9H-CARBAZOL-3-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 10 µLg/plate MUREAV 389,247,1997

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

DSM500 CAS: 50563-36-5 HR: 3
2,6-DIMETHYL-N-(2-METHOXYETHYL)CHLOROACETANILIDE

mf: $\text{C}_{13}\text{H}_{18}\text{ClNO}_2$ mw: 255.77

SYNS: A 4766 □ A 5089 □ ACETAMIDE, 2-CHLORO-N-(2,6-DIMETHYLPHENYL)-N-(2-METHOXYETHYL)- □ 2,6-ACETOXYLIDIDE, 2-CHLORO-N-(2-METHOXYETHYL)- □ 2-

CHLORO-N-(2,6-DIMETHYLPHENYL)-N-(2-METHOXYETHYL)-ACETAMIDE □ 2-CHLORO-N-(2-METHOXYETHYL)-ACET-2',6'-XYLIDIDE □ DIMETHACHLOR □ DIMETHACHLORE □ TERIDOX

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg PEMNDP 9,290,91

ihl-rat LC50:>750 mg/m³/2H 85JFAN A151,83

skn-rat LD50:>3170 mg/kg PEMNDP 9,290,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DSM600 CAS: 63938-21-6 HR: 3
2,3-DIMETHYL-7-METHOXY-8-(MORPHOLINO-METHYL)CHROMONE HYDROCHLORIDE

mf: $\text{C}_{17}\text{H}_{21}\text{NO}_4 \cdot \text{ClH}$ mw: 339.85

SYN: 4H-1-BENZOPYRAN-4-ONE, 7-METHOXY-2,3-DIMETHYL-8-(4-MORPHOLINYLMETHYL)-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:44 mg/kg 27ZQAG -,156,72

ipr-rat LD50:17 mg/kg 27ZQAG -,156,72

scu-rat LD50:19 mg/kg 27ZQAG -,156,72

ipr-mus LD50:17,400 µg/kg J MPCAS 3,471,61

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

DSM800 CAS: 3613-30-7 HR: 1
3,7-DIMETHYL-7-METHOXY-1-OCTANAL

mf: $\text{C}_{11}\text{H}_{22}\text{O}_2$ mw: 186.33

SYNS: HYDROXYCITRONELLA METHYL ETHER □ METHOXYCITRONELLAL METHYL ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,807,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DSN000 CAS: 3009-55-0 HR: 2
N,N-DIMETHYL-p-(2-METHOXYPHENYLAZO)-ANILINE

mf: $\text{C}_{15}\text{H}_{17}\text{N}_3\text{O}$ mw: 255.35

SYN: 2'-METHOXY-4-DIMETHYLAMINOAZOBENZENE

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

DSN200 CAS: 20691-83-2 HR: 2
N,N-DIMETHYL-p-(3-METHOXYPHENYLAZO)ANILINE

mf: $\text{C}_{15}\text{H}_{17}\text{N}_3\text{O}$ mw: 255.35

SYN: 3'-METHOXY-4-DIMETHYLAMINOAZOBENZENE

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

DSN400 CAS: 3009-50-5 HR: 2

N,N-DIMETHYL-p-(4-METHOXYPHENYL-AZO)-ANILINEmf: C₁₅H₁₇N₃O mw: 255.35**SYN:** 4'-METHOXY-4-DIMETHYLAMINO-AZOBENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DSN600 CAS: 7203-92-1 HR: 3
3,3-DIMETHYL-1-p-METHOXYPHENYL-TRIAZENE**mf: C₉H₁₃N₃O mw: 179.25**SYNS:** 1-p-METHOXYFENYL-3,3-DIMETHYLTRIAZEN

(CZECH) □ 1-(p-METHOXYPHENYL)-3,3-DIMETHYLTRIAZENE

□ 1-(4-METHYLOXYPHENYL)-3,3-DIMETHYLTRIAZINE

TOXICITY DATA with REFERENCE:

sln-dmg-ori 1 mmol/L CBINA8 9,365,74

mrc-smc 1 mmol/L/1H CBINA8 9,365,74

hma-mus/smc 10 mmol/L CBINA8 9,365,74

ori-rat LD50:347 mg/kg 28ZPAK -,119,72

scu-rat LD50:450 mg/kg ZKKOBW 81,285,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by subcutaneous route. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSN800 CAS: 67262-79-7 HR: 3
2',6'-DIMETHYL-2-(2-METHOXYPROPYLAMINO)ACETANILIDE HYDROCHLORIDE**mf: C₁₄H₂₂N₂O₂ mw: 250.38**SYN:** 2-(2-METHOXYPROPYLAMINO)-2',6'-ACETOXYLIDIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:120 mg/kg JPMSAE 67,595,78

ivn-mus LD50:40 mg/kg JPMSAE 67,595,78

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DSO000 CAS: 950-37-8 HR: 3
O,O-DIMETHYL-S-(5-METHOXY-1,3,4-THIADIAZOLINYL-3-METHYL) DITHIOPHOSPHATE**mf: C₆H₁₁N₂O₄PS₃ mw: 302.34**PROP:** Crystals from MeOH. Mp: 39–40°. Very sltly sol in H₂O.**SYNS:** CIBA-GEIGY GS 13005 □ S-(2,3-DIHYDRO-5-METHOXY-2-OXO-1,3,4-THIADIAZOL-3-METHYL) □ (O,O-DIMETHYL)-S-(2-METHOXY-Δ²-1,3,4-THIADIAZOLIN-5-ON-4-YLMETHYL)-DITHIOPHOSPHATE DIMETHYL PHOSPHOROTHIOLO-THIONATE □ O,O-DIMETHYL-S-(2-METHOXY-1,3,4-THIADIAZOL-5-(4H)-ONYL-(4)-METHYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-S-(2-METHOXY-1,3,4-THIADIAZOL-5-(4H)-ONYL-(4)-METHYL) PHOSPHORODITHIO-ATE □ O,O-DIMETHYL-S-(2-METHOXY-1,3,4 (4H)-THIODIAZ-OL-5-ON-4-YL)-METHYL)DITHIOFOSFAAT (DUTCH) □ O,O-DIMETIL-S-(2-METOSI-1,3,4-(4H)-TIADIAZOL-5-ON-4-IL)-METIL)-DITIFOSFATO (ITALIAN) □ DMTP (JAPAN) □ ENT 27,193 □ FISONS NC 2964 □ GEIGY 13005 □ METHIDATHION □ S-(5-METHOXY-2-OXO-1,3,4-THIADIAZOL-3(2H)-YL)METHYL)-O,O-

DIMETHYL PHOSPHORODITHIOATE □ SOMONIL □ SURPRACIDE □ ULTRACIDE

TOXICITY DATA with REFERENCE:

eye-rbt 34 mg SEV CIGET* 8/1/73

ori-man TDLo:93 mg/kg:EYE,CNS HETOEA 9,415,90

ori-rat LD50:20 mg/kg WRPCA2 9,119,70

ihl-rat LC50:3600 mg/m³/4H FMCHA2 -,C224,83

ori-mus LD50:25 mg/kg BESAAT 15,122,69

ori-rbt LD50:63 mg/kg 31ZOAD 1,293,68

skn-rbt LD50:200 mg/kg FMCHA2 -,C224,83

ori-gpg LD50:25 mg/kg 31ZOAD 1,293,68

ori-ham LD50:30 mg/kg 31ZOAD 1,293,68

ori-ckn LD50:80 mg/kg 31ZOAD 1,293,68

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** Poison by ingestion and skin contact. Moderately toxic by inhalation. Human mutation data reported. Human systemic effects: coma, lachrymation, miosis. A severe eye irritant. An insecticide. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.**DSO200 CAS: 23422-53-9 HR: 3
N,N-DIMETHYL-N'-(((METHYLAMINO)CARBONYLOXY)PHENYLMETHANIMIDAMIDE MONOHYDROCHLORIDE**mf: C₁₁H₁₅N₃O₂•ClH mw: 257.75**PROP:** Powder. Very sol in H₂O; sol in MeOH; sltly sol in Me₂CO, CHCl₃, and hexane.**SYNS:** CARZOL SP □ DICARZOL □ m-(((DIMETHYLAMINO)-METHYLENE)AMINO)PHENYLMETHYL CARBAMATE, HYDROCHLORIDE □ 3-DIMETHYLAMINOMETHYLENE-IMINOPHENYL-N-METHYLCARBAMATE, HYDROCHLORIDE □ ENT 27,566 □ EP-332 □ FORMETANATE HYDROCHLORIDE □ MORTON EP332 □ NOR-AM EP 332 □ SCHERING 36056 □ SN 36056**TOXICITY DATA with REFERENCE:**

ori-rat LD50:20 mg/kg FMCHA2 -,C63,91

ori-dog LD50:19 mg/kg 28ZEAL 5,118,76

ipr-rat LD50:4700 µg/kg PCBPBS 1,445,71

ori-mus LD50:18 mg/kg 28ZEAL 5,118,76

ori-dog LD50:19 mg/kg 28ZEAL 5,118,76

skn-rbt LD50:10,200 mg/kg 28ZEAL 5,118,76

ori-ckn LD50:21,500 µg/kg 28ZEAL 5,118,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Mildly toxic by skin contact. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DSO400 CAS: 64050-20-0 HR: 3
5,7-DIMETHYL-1-(2-METHYLAMINOPROPYL)-2-PHENYLADAMANTANE HYDROCHLORIDE**mf: C₂₃H₃₅N•ClH mw: 362.05**SYN:** 1-(5,7-DIMETHYL-2-PHENYL-1-ADAMANTYL)-N-METHYL-2-PROPYLAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ori-mus LD50:1200 mg/kg JMC MAR 17,602,74

ipr-mus LD50:50 mg/kg JMC MAR 17,602,74

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

DSO500 CAS: 56877-15-7 HR: 3
**1,3-DIMETHYL-5-(METHYLAMINO)-4-PYRAZOL-
 YL o-FLUOROPHENYL KETONE**

mf: C₁₃H₁₄FN₃O mw: 247.30

SYNS: (1,3-DIMETHYL-5-(METHYLAMINO)-1H-PYRAZOL-4-YL)(2-FLUOROPHENYL)METHANONE □ KETONE, 1,3-DIMETHYL-5-(METHYLAMINO)-4-PYRAZOLYL o-FLUOROPHENYL □ METHANONE, (1,3-DIMETHYL-5-(METHYLAMINO)-1H-PYRAZOL-4-YL)(2-FLUOROPHENYL)- □ PD 73093

TOXICITY DATA with REFERENCE:

mma-sat 1 µmol/plate CRNGDP 7,2019,86

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and F⁻.

DSO800 CAS: 2449-49-2 HR: 2
N,N-DIMETHYL-α-METHYLBENZYLAMINE

mf: C₁₀H₁₅N mw: 149.26

PROP: Bp: 194–195°.

SYN: N,N,α-TRIMETHYLBENZYLAMINE

TOXICITY DATA with REFERENCE:

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

skn-rbt 5 mg/24H SEV 85JCAE -,451,86

eye-rbt 20 mg open AMIHBC 10,61,54

orl-rat LD50:420 mg/kg AMIHBC 10,61,54

ihl-rat LCLo:125 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:890 mg/kg AMIHBC 10,61,54

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

DSP200 CAS: 66941-08-0 HR: 3
**1,5-DIMETHYL-5-(1-METHYLBUTYL)-
 BARBITURIC ACID**

mf: C₁₁H₁₈N₂O₃ mw: 226.31

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:350 mg/kg JACSAT 58,1358,36

ivn-rbt LDLo:90 mg/kg JACSAT 58,1354,36

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

DSP400 CAS: 60-51-5 HR: 3
**O,O-DIMETHYL METHYLCARBAMOYLMETHYL
 PHOSPHORODITHIOATE**

mf: C₅H₁₂NO₃PS₂ mw: 229.27

PROP: Crystals from Et₂O or toluene/hexane. Mp: 51–52°. Sol in H₂O, alcohols, CHCl₃, C₆H₆, and ketones.

SYNS: AC-12682 □ AMERICAN CYANAMID 12880 □ BI-58 □ CEKUTHOATE □ CL 12880 □ CYGON □ CYGON INSECTICIDE □ DAPHENE □ DE-FEND □ DEMOS-L40 □ DEVIGON □ DIMATE 267 □ DIMETATE □ DIMETHOAT (DUTCH) □ DIMETHOAT (GERMAN) □ DIMETHOATE (USDA) □ DIMETHOAT TECHNISCH 95% □ DIMETHOGEN □ O,O-

DIMETHYLDITHIOPHOSPHORYLACETIC ACID-N-MONOMETHYLAMIDE SALT □ O,O-DIMETHYL-DITHIOPHOSPHORYLESSIGSAEURE MONOMETHYLAMIDE (GERMAN) □ O,O-DIMETHYL-S-(2-(METHYLAMINO)-2-OXOETHYL) PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYL)-METHYL-DITHIOFOSFAAT (DUTCH) □ (O,O-DIMETHYL-S-(N-METHYLCARBAMOYL)-METHYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL) DITHIOPHOSPHATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL) PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL) THIOTHIONOPHOSPHATE □ O,O-DIMETHYL-S-(N-MONOMETHYL)-CARBAMYL METHYLDITHIOPHOSPHATE □ O,O-DIMETHYL-S-(2-OXO-3-AZA-BUTYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-S-(N-METIL-CARBAMOIL-METIL)-DITIOFOSFATO (ITALIAN) □ DIMETON □ DIMEVUR □ DITHIOPHOSPHATE de O,O-DIMETHYLE et de S-(N-METHYLCARBAMOYL-METHYLE) (FRENCH) □ EI-12880 □ ENT 24,650 □ EXPERIMENTAL INSECTICIDE 12,880 □ FERKETHION □ FORTION NM □ FOSFAMID □ FOSFOTOX □ FOSTION MM □ L-395 □ LURGO □ S-METHYLCARBAMOYLMETHYL-O,O-DIMETHYL PHOSPHORODITHIOATE □ N-MONOMETHYLAMIDE of O,O-DIMETHYLDITHIOPHOSPHORYLACETIC ACID □ NC-262 □ NCI-C00135 □ PERFECTHION □ PHOSPHAMID □ PHOSPHORODITHIOIC ACID-O,O-DIMETHYL-S-(2-(METHYLAMINO)-2-OXOETHYL) ESTER □ RACUSAN □ RCRA WASTE NUMBER P044 □ REBELATE □ ROGODIAL □ ROGOR □ ROXION U.A. □ SINORATOX □ TRIMETION

TOXICITY DATA with REFERENCE:

mma-sat 500 µg/plate JTEHD6 16,403,85

mma-hmn:fbr 100 µmol/L MUREAV 42,161,77

sce-hmn:lym 20 mg/L MUREAV 88,307,81

orl-man TDLo:286 mg/kg:PNS,BAH ICMED9 12,110,86

orl-hmn LD50:30 mg/kg GUCHAZ 6,209,73

orl-man TDLo:300 mg/kg JTCTDW 24,69,86

orl-rat LD50:60 mg/kg YKYUA6 30,623,79

skn-rat LD50:353 mg/kg BJIMAG 26,59,69

ipr-rat LD50:100 mg/kg BJIMAG 21,52,64

scu-rat LD50:350 mg/kg BJIMAG 21,52,64

ivn-rat LD50:450 mg/kg BJIMAG 21,52,64

orl-mus LD50:60 mg/kg BJIMAG 21,52,64

orl-mus LD50:60 mg/kg BJIMAG 21,52,64

ipr-mus LD50:45 mg/kg BJIMAG 21,52,64

orl-dog LD50:400 mg/kg SPEADM 78-1,31,78

CONSENSUS REPORTS: NCI Carcinogenesis

Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-4,77. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List.

SAFETY PROFILE: A deadly human poison. Poison by ingestion, skin contact, intraperitoneal, and subcutaneous routes. Moderately toxic by intravenous route. Human systemic effects: coma, dyspnea, fasciculations. Questionable carcinogen with experimental carcinogenic data. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x. See also ESTERS.

DSP600 CAS: 23135-22-0 HR: 3
**N',N'-DIMETHYL-N-((METHYLCARBAMOYL)-
 OXY)-1-METHYLTHIOOXAMIMIDIC ACID**

mf: C₇H₁₃N₃O₃S mw: 219.29

PROP: Solid in H₂O. Mp: 100–102°. Sol in H₂O, Me₂CO, EtOH, and MeOH.

SYNS: D-1410 □ 2-(DIMETHYLAMINO)-N-((METHYLAMINO)-CARBONYL)OXY-2-OXOETHANIMIDOTHIOIC ACID METHYL ESTER □ 2-DIMETHYLAMINO-1-(METHYLTHIO)GLYOXAL- α -METHYLCARBAMOYLMONOXIME □ N,N-DIMETHYL- α -METHYLCARBAMOYLOXYIMINO- α -(METHYLTHIO)-ACETAMIDE □ N,N'-DIMETHYL-N-((METHYLCARBAMOYL)-OXY)-1-THIOOXAMIMIDIC ACID METHYL ESTER □ DPX 1410 □ INSECTICIDE-NEMATICIDE 1410 □ METHYL-2-(DIMETHYLAMINO)-N-((METHYLAMINO)CARBONYL)OXY-2-OXOETHANIMIDOTHIOATE □ METHYL-1-(DIMETHYLCARBAMOYL)-N-(METHYLCARBAMOYLOXY)THIOFORMIMIDATE □ S-METHYL-1-(DIMETHYLCARBAMOYL)-N-((METHYLCARBAMOYL)OXY)THIOFORMIMIDATE □ METHYL-N,N'-DIMETHYL-N-((METHYLCARBAMOYL)OXY)-1-THIOOXAMIMIDATE □ OXAMYL □ THIOXAMYL □ VYDATE □ VYDATE L INSECTICIDE/NEMATICIDE □ VYDATE L OXAMYL INSECTICIDE/NEMATOCIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 µg/kg FAATDF 6,423,86
ihl-rat LC50:170 mg/m³/1H 85DPAN -,71/76
skn-rat LDLo:300 mg/kg FAATDF 6,423,86
orl-mus LD50:2300 µg/kg FAATDF 6,423,86
skn-rbt LD50:740 mg/kg SPEADM 78-1,61,78
orl-qal LD50:4180 µg/kg 85DPAN -,71/76

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

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

DSP650 CAS: 69462-47-1 HR: 1 2,6-DIMETHYL-1-((2-METHYLCYCLOHEXYL)- CARBONYL)PIPERIDINE

mf: C₁₅H₂₇NO mw: 237.43

SYNS: AI3-36561 □ PIPERIDINE, 2,6-DIMETHYL-1-((2-METHYLCYCLOHEXYL)CARBONYL)-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD AEHA** 51-029-76
eye-rbt 100 mg/24H MOD AEHA** 51-029-76

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

DSP700 CAS: 71108-05-9 HR: 3 5,5-DIMETHYL-2-((1-METHYLETHYL)IMINO)-1,3- DITHIOLAN-4-ONE- α -((METHYLAMINO)- CARBONYL)OXIME

mf: C₁₀H₁₇N₃O₂S₂ mw: 275.42

SYN: 1,3-DITHIOLAN-4-ONE, 5,5-DIMETHYL-2-((1-METHYLETHYL)IMINO)-, α -((METHYLAMINO)-CARBONYL)OXIME

TOXICITY DATA with REFERENCE:

orl-rat LD50:8900 µg/kg USXXAM #4156731

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

DSP710 CAS: 71108-06-0 HR: 3 5,5-DIMETHYL-2-((1-METHYLETHYL)IMINO)1,3- DITHIOLAN-4-ONE, α -((METHYL((TRI- CHLOROMETHYL)THIO)AMINO)CARBONYL)

OXIME

mf: C₁₁H₁₆Cl₃N₃O₂S₃ mw: 424.83

TOXICITY DATA with REFERENCE:

orl-rat LD50:226 mg/kg USXXAM #4156731

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

DSP800 CAS: 94855-74-0 HR: D DIMETHYL ((1-METHYL-5-NITRO-1H-IMIDAZOL- 2-YL)METHYLENE)PROPANEDIOATE

mf: C₁₀H₁₁N₃O₆ mw: 269.24

SYN: PROPANEDIOIC ACID, ((1-METHYL-5-NITRO-1H-IMIDAZOL-2-YL)METHYLENE)-, DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

uns-bac-esc 3800 pmol/tube EMMUEG 19,167,92

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

DSQ000 CAS: 122-14-5 HR: 3 DIMETHYL-3-METHYL-4-NITROPHENYL- PHOSPHOROTHIONATE

mf: C₉H₁₂NO₃PS mw: 277.25

PROP: Yellow oil. D: 1.323 @ 25°/4°, bp: 140–145° @ 0.1 mm. Insol in H₂O; sltly sol in ligroin.

SYNS: ACCOTHION □ ACEOTHION □ AGRIA 1050 □ AGRIYA 1050 □ AGROTHION □ AMERICAN CYANAMID CL-47,300 □ ARBOGAL □ BAY 41831 □ BAYER 41831 □ BAYER S 5660 □ CEKUTROTHION □ CL 47300 □ CP 47114 □ CYFEN □ CYTEL □ CYTEN □ O,O-DIMETHYL-O-(3-METHYL-4-NITROFENYL)-MONOTHIOFOSFAAT (DUTCH) □ O,O-DIMETHYL-O-(3-METHYL-4-NITRO-PHENYL)-MONOTHIO-
PHOSPHAT (GERMAN) □ O,O-DIMETHYL-O-(3-METHYL-4-NITROPHENYL) PHOSPHOROTHIOATE □ O,O-DIMETHYL-O-(3-METHYL-4-NITROPHENYL) THIOPHOS-PHATE □ O,O-DIMETHYL-O-(3-METHYL) PHOSPHORO-THIOATE □ O,O-DIMETHYL-O-(4-NITRO-3-METHYLPHENYL)-THIOPHOS-PHATE □ O,O-DIMETHYL-O-4-NITRO-m-TOLYL PHOSPHORO-THIOATE □ O,O-DIMETIL-O-(3-METIL-4-NITRO-FENIL)-MONOTIOFOSFATO (ITALIAN) □ EI 47300 □ ENT 25,715 □ FALITHION □ FENITOX □ FENITRO-THION □ FENITRO-
TION (HUNGARIAN) □ FOLETHION □ H-35-F 87 (BVM) □ 8057HC □ KOTION □ MEP (Pesticide) □ METATHIONE □ METATION □ METHYLNITROPHOS □ MONSANTO CP 47114 □ NITROPHOS □ NOVATHION □ NUVANOL □ OLEOSUMIF-
ENE □ OMS 43 □ OVADOFOS □ PENNWALT C-4852 □ PHENITROTHION □ S 112A □ S 5660 □ SUMITHIAN □ THIOPHOSPHATE de O,O-DIMETHYLE et de O-(3-METHYL-4-NITROPHENYLE) (FRENCH) □ VERTHION

TOXICITY DATA with REFERENCE:

mno-sat 500 µg/plate MUREAV 116,185,83
dni-omi 100 ppm NNGADV 9,325,84
orl-wmn TDLo:800 mg/kg;GIT,PUL ARTODN 56,136,84
orl-man LDLo:429 µL/kg;BAH,PUL,GIT HUTODJ 6,403,87
orl-rat LD50:250 mg/kg TXAPA9 21,315,72
ihl-rat LC50:378 mg/m³/4H EGESAQ 24,173,80
skn-rat LD50:1250 mg/kg GISAAA 31(10),12,66
ipr-rat LD50:300 mg/kg TXAPA9 63,91,82
ivn-rat LD50:33 mg/kg ABCHA6 27,669,63
itr-rat LD50:950 mg/kg TXAPA9 63,91,82
orl-mus LD50:715 mg/kg HYSAAV 31,13,66
skn-mus LD50:2500 mg/kg ABCHA6 25,605,61

scu-mus LD50:1000 mg/kg ABCHA6 25,605,61

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, inhalation, intravenous, and intraperitoneal routes. Moderately toxic by skin contact, intratracheal, and subcutaneous routes. Human systemic effects: coma, diarrhea, dyspnea, gastrointestinal changes, hypermotility, nausea or vomiting, respiratory depression. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.

DSQ600 CAS: 3572-74-5 HR: 3
N,N-DIMETHYL-2-(α-METHYL-α-PHENYL-BENZYLOXY)ETHYLAMINE

mf: C₁₈H₂₃NO mw: 269.42

PROP: Bp: 125–135° @ 0.5 mm.

SYNS: N,N-DIMETHYL-2-((α-METHYL-α-PHENYLBENZYL)OXY)ETHYLAMINE □ SUBSTANZ NR. 1934 (GERMAN)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:43 mg/kg ARZNAD 4,189,54

scu-gpg LD50:54 mg/kg ARZNAD 4,189,54

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

DSQ800 CAS: 66-79-5 HR: 3
3,3-DIMETHYL-6-(((5-METHYL-3-PHENYL)-4-ISOXAZOLECARBOXAMIDE)-7-OXO)-4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID

SYNS: BRL 1400 □ 5-METHYL-3-PHENYL-4-ISOXAZOLYL-PENICILLIN □ MPI-PC □ MPI-PENICILLIN □ OXACILLIN □ OXAZOCILLIN □ PENICILLIN P-12 □ PROSTAPHLYN □ STAPENOR

TOXICITY DATA with REFERENCE:

oth-mic-omi 4 mg/L JOBAAY 170,1831,88

ivn-wmn TDLo:5560 mg/kg/20D-I:BLD SMJOAV 70,1245,77

ivn-man TDLo:3800 mg/kg/19D-I:BLD JOPDAB 89,769,76

ivn-cld TDLo:2550 mg/kg/17D-I:BLD JOPDAB 90,668,77

ivn-inf TDLo:3800 mg/kg/19D-I:BLD JOPDAB 89,769,76

ivn-wmn TDLo:5560 mg/kg/20D-I:BLD SMJOAV 70,1245,77

orl-mus LD50:6500 mg/kg 85GMAT -,95,82

ivn-mus LD50:1500 mg/kg ARZNAD 15,322,65

orl-cat LDLo:750 mg/kg ARZNAD 15,322,65

SAFETY PROFILE: Poison by an unspecified route. Moderately toxic by ingestion and intravenous routes. Human systemic effects: angranulocytosis. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also other penicillin entries.

DSQ840 CAS: 302542-60-5 HR: 3
3,5-DIMETHYL-N-(4-METHYLPHENYL)-1H-PYRAZOLE-1-ACETAMIDE

mf: C₁₄H₁₇N₃O mw: 243.31

TOXICITY DATA with REFERENCE:

orl-mus LD50:519 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:52 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:52 mg/kg FRMCE8 55,362,2000

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

DSR200 CAS: 20241-03-6 HR: 3
3,3-DIMETHYL-1-(m-METHYLPHENYL)-TRIAZENE

mf: C₉H₁₃N₃ mw: 163.25

SYNS: 3,3-DIMETHYL-1-(m-TOLYL)TRIAZENE □ 1-(m-METHYLPHENYL)-3,3-DIMETHYLTRIAZENE □ 1-(3-METHYLPHENYL)-3,3-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

mma-sat 400 nmol/L JMCMAR 22,473,79

orl-rat TDLo:250 mg/kg:CAR ZKKOBW 81,285,74

scu-rat TDLo:500 mg/kg:CAR ZKKOBW 81,285,74

orl-rat LD50:300 mg/kg ZKKOBW 81,285,74

scu-rat LD50:500 mg/kg ZKKOBW 81,285,74

ipr-mus LD50:201 mg/kg JMCMAR 19,1299,76

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

DSR400 CAS: 756-79-6 HR: 2
DIMETHYL METHYLPHOSPHONATE

mf: C₃H₉O₃P mw: 124.09

PROP: Pleasant-smelling liquid. Bp: 66–68° @ 10 mm.

SYNS: DMMP □ METHYLPHOSPHONIC ACID DIMETHYL ESTER □ NCI-C56762

TOXICITY DATA with REFERENCE:

dlt-mus-orl 65 g/kg/13W-C MUREAV 138,213,84

cyt-ham:ovr 250 mg/L NTIS** AD-A124-785

orl-mus TDLo:33 g/kg (female 7-14D post):REP NTIS** PB85-220143

orl-rat LD50:8210 mg/kg TSCAT* FYI-OTS-0483-0242

ivn-rat LD50:1050 mg/kg TSCAT* FYI-OTS-0483-0242

orl-mus LD50:>6810 mg/kg NTPTR* NTP-TR-323,87

ivn-mus LD50:912 mg/kg TSCAT* FYI-OTS-0483-0242

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intravenous route. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. An experimental nerve gas stimulant. A flame retardant. When heated to decomposition it emits toxic fumes of PO_x.

DSR600 CAS: 50308-86-6 HR: 3
1,3-DIMETHYL-4-((p-((p-((1-METHYLPYRIDIN-IUM-4-YL)AMINO)PHENYL)CARBAMOYL)-ANILINO)QUINOLINIUM), DIBROMIDE

mf: C₃₀H₂₉N₅O•2Br mw: 635.46

TOXICITY DATA with REFERENCE:

dnd-mus:lym 4900 nmol/L JMCMAR 22,134,79

ipr-mus LD10:5 mg/kg JMCMAR 22,134,79

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

DSR800 CAS: 50308-87-7 HR: 3
1,6-DIMETHYL-4-((p-((p-((1-METHYLPYRIDIN-IUM-4-YL)AMINO)PHENYL) CARBAMOYL)-ANILINO)QUINOLINIUM) DI-p-TOLUENE-SULFONATEmf: C₃₀H₂₉N₅O•2C₇H₇O₃S mw: 818.04**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 1050 nmol/L JMCMAR 22,134,79

ipr-mus LD10:15 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route.Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DSS000 CAS: 50425-34-8 HR: 3**
1,8-DIMETHYL-4-((p-((p-((1-METHYLPYRIDIN-IUM-4-YL)AMINO)PHENYL)-CARBAMOYL)-ANILINO)QUINOLINIUM)DI-p-TOLUENE-SULFONATEmf: C₃₀H₂₉N₅O•2C₇H₇O₃S mw: 818.04**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 870 nmol/L JMCMAR 22,134,79

ipr-mus LD10:60 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route.Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DSS200 CAS: 7347-46-8 HR: 2**
N,N-DIMETHYL-4-(2-METHYL-4-PYRIDYL-AZO)-ANILINE-N-OXIDEmf: C₁₄H₁₆N₄O mw: 256.34**SYNS:** 4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2-PICOLINE-1-OXIDE □ N,N-DIMETHYL-4-((2-METHYL-4-PYRIDINYL-AZO)BENZENAMINE-N-OXIDE □ N,N-DIMETHYL-4-(4'-(2'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE □ 2'-MePO₄' □ 2-METHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:714 mg/kg/17W-C:NEO JNCIAM 37,365,66

orl-rat TD:2142 mg/kg/17W-C:ETA JNCIAM 41,855,68

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DSS400 CAS: 3761-41-9 HR: 3**
O,O-DIMETHYL-O-(4-(METHYLSULFINYL)-m-TOLYL) PHOSPHOROTHIOATEmf: C₁₀H₁₅O₄PS₂ mw: 294.34**SYN:** O,O-DIMETHYL-O-((4-METHYLTHIO)-m-TOLYL) PHOSPHOROTHIOATE SULFOXIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:125 mg/kg GUCHAZ 6,279,73

ipr-rat LDLo:250 mg/kg TXAPA9 6,86,64

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO_x and SO_x.**DSS600 CAS: 3773-37-3 HR: 3**
N,N-DIMETHYL-10-(3-(4-(METHYLSULFONYL)-1-PIPERAZINYL)PROPYL) PHENOTHIAZINE-2-SULFONAMIDEmf: C₂₂H₃₀N₄O₄S₃ mw: 510.74**SYN:** 9260 RP**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:2 mg/kg:PSY,GIT PSYPAG 2,209,61

orl-mus LD50:1300 mg/kg PSYPAG 2,209,61

ipr-mus LD50:480 mg/kg PSYPAG 2,209,61

ivn-mus LD50:310 mg/kg PSYPAG 2,209,61

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Human effects by ingestion: sleep, excitement, nausea or vomiting. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DSS800 CAS: 3761-42-0 HR: 3**
O,O-DIMETHYL-o-(4-(METHYLSULFONYL)-m-TOLYL) PHOSPHOROTHIOATEmf: C₁₀H₁₅O₅PS₂ mw: 310.34**SYNS:** O,O-DIMETHYL-o-((4-METHYLTHIO)-m-TOLYL) PHOSPHOROTHIOATE SULFONE □ FENTHIONE SULFONE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:125 mg/kg GUCHAZ 6,279,73

ipr-rat LDLo:250 mg/kg TXAPA9 6,86,64

orl-mus LD50:210 mg/kg JOPHDQ 9,697,86

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO_x and SO_x.**DSS900 CAS: 39195-82-9 HR: 2**
3,3-DIMETHYL-1-(METHYLTHIO)-2-BUTANONE OXIMEmf: C₇H₁₅NOS mw: 161.29**SYN:** 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, OXIME**TOXICITY DATA with REFERENCE:**

orl-rat LD50:813 mg/kg JAFCAU 23,963,75

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 SO_x.**DST000 CAS: 2032-65-7 HR: 3**
3,5-DIMETHYL-4-METHYLTHIOPHENYL-N-METHYLCARBAMATEmf: C₁₁H₁₅NO₂S mw: 225.33**PROP:** Crystals or powder. Mp: 117–118°. Sol in most org solvs; pract insol in H₂O.**SYNS:** BAY 9026 □ BAYER 37344 □ 3,5-DIMETHYL-4-(METHYLTHIO)PHENOL METHYLCARBAMATE □ 3,5-DIMETHYL-4-METHYL-THIOPHENYL-N-CARBAMAT (GERMAN) □ DRAZA □ ENT 25,726 □ H 321 □ MERCAPTODI-METHUR (DOT) □ MESUROL □ METHIOCARB □ METHYL CARBAMIC ACID-4-(METHYLTHIO)-3,5-XYLYL ESTER □ 4-METHYLMERCAPTO-3,5-DIMETHYLPHENYL N-METHYLCARBAMATE □ 4-METHYLMERCAPTO-3,5-XYLYL METHYLCARBAMATE □ 4-METHYLTHIO-3,5-DIMETHYLPHENYL METHYLCARBAMATE □ 4-(METHYLTHIO)-3,5-XYLENOL METHYLCARBAMATE □ 4-(METHYLTHIO)-3,5-XYLYL METHYLCARBAMATE □ METMERCAPTURON □ OMS-93**TOXICITY DATA with REFERENCE:**

orl-rat LD50:15 mg/kg FMCHA2 -,C150,83

skn-rat LD50:350 mg/kg PCOC** -,105,66

orl-mus LD50:25,200 µg/kg TOIZAG 17,60,70

ipr-mus LD50:16 mg/kg TXAPA9 6,402,64

orl-gpg LD50:40 mg/kg 85DPAN -,71/76

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, skin contact, and intraperitoneal routes. Used as an insecticide, molluscicide, and bird repellent. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also ESTERS and CARBAMATES.

DST100 CAS: 38090-92-5 HR: 3
O,O-DIMETHYL S-((5-(METHYLTHIO)-1,3,4-THIADIAZOL-2-YL)METHYL) PHOSPHORODITHIOATE

mf: C₆H₁₁N₂O₂PS₄ mw: 302.40

SYN: PHOSPHORODITHIOIC ACID, o,o-DIMETHYL S-((5-(METHYLTHIO)-1,3,4-THIADIAZOL-2-YL)METHYL) ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:875 µL/kg HCACAV 55,1979,1972

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

DST200 CAS: 55-37-8 HR: 3
O,O-DIMETHYL-O-4-(METHYLTHIO)-3,5-XYLYL PHOSPHOROTHIOATE

mf: C₁₁H₁₇O₃PS₂ mw: 292.37

SYNS: BAY 37342 □ BAYER 9013 □ BAYER 37342 □ O,O-DIMETHYL-O-(3,5-DIMETHYL-4-METHYLTHIOPHENYL) PHOSPHOROTHIOATE □ O-(3,5-DIMETHYL-4-(METHYLTHIO)-PHENYL)-O,O-DIMETHYL PHOSPHOROTHIOATE □ ENT 25,684 □ G 347

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg TXAPA9 21,315,72

orl-mus LDLo:1070 mg/kg AECTCV 14,111,85

orl-ckn LD50:103 mg/kg TXAPA9 11,49,67

orl-bwd LD50:10 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of PO_x and SO_x.

DST210 CAS: 71108-21-9 HR: 2
(4,4-DIMETHYL-5-(((METHYL(TRICHLORO-METHYL)THIO)AMINO)CARBONYL)OXY)IMINO)-1,3-DITHIOLAN-2-YLIDENE)PROPANE-DINITRILE

mf: C₁₁H₉Cl₃N₄O₂S₃ mw: 431.77

TOXICITY DATA with REFERENCE:

orl-rat LD50:538 mg/kg USXXAM #4156731

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl₂.

DST400 CAS: 22120-39-4 HR: 3
N,N-DIMETHYL-5-METHYLTRYPTAMINE

mf: C₁₃H₁₈N₂ mw: 202.33

SYN: 3-(2-DIMETHYLAMINOETHYL)-5bird-METHYLINDOLE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:110 mg/kg PSYPAG 16,385,70

ivn-mus LD50:71 mg/kg CSLNX* NX#01632

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

DST600 CAS: 141-91-3 HR: 3
2,6-DIMETHYLMORPHOLINE

mf: C₆H₁₃NO mw: 115.20

PROP: Liquid. D: 0.9346, bp: 146.6°, fp: -85°, flash p: 112°F (OC), vap d: 4.0.

SYN: 2,6-DIMETHYL-2,3,5,6-TETRAHYDRO-4H-1,4-OXAZINE

TOXICITY DATA with REFERENCE:

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

eye-rbt 2 mg/24H SEV 85JCAE -,888,86

mno-sat 6666 µg/plate ENMUDM 5(Suppl 1),3,83

orl-rat LD50:2830 mg/kg UCDS** 11/13/61

skn-rbt LD50:710 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. Mutation data reported. Flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of NO_x.

DST800 CAS: 597-25-1 HR: 3
DIMETHYLMORPHOLINOPHOSPHONATE

mf: C₆H₁₄NO₄P mw: 195.18

PROP: A liquid. Bp: 96° @ 1 mm.

SYNS: DIMETHYL MORPHOLINOPHOSPHORAMIDATE □ DMMPA □ MORPHOLINOPHOSPHONIC ACID DIMETHYL ESTER □ 4-MORPHOLINYLPHOSPHONIC ACID DIMETHYL ESTER □ NCI-C54740

TOXICITY DATA with REFERENCE:

msc-mus:lym 2200 mg/L NTPTR* NTP-TR-298,86

cyt-ham:ovr 3 g/L NTPTR* NTP-TR-298,86

sce-ham:ovr 3 g/L NTPTR* NTP-TR-298,86

orl-rat LD50:6 g/kg NTPTR* NTP-TR-298,86

ipr-rat LD50:2400 mg/kg NTPTR* NTP-TR-298,86

ims-rat LD50:5200 mg/kg NTPTR* NTP-TR-298,86

orl-mus LD50:3300 mg/kg NTPTR* NTP-TR-298,86

ipr-mus LD50:5 g/kg NTPTR* NTP-TR-298,86

ivn-mus LD50:400 mg/kg NTPTR* NTP-TR-298,86

ims-mus LD50:4800 mg/kg NTPTR* NTP-TR-298,86

ivn-rbt LD50:350 mg/kg NTPTR* NTP-TR-298,86

CONSENSUS REPORTS: NTP Carcinogenesis Studies (gavage); Some Evidence: rat NTPTR* NTP-TR-298,86; No Evidence: mouse NTPTR* NTP-TR-298,86.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and PO_x. See also ESTERS.

DSU000 CAS: 55-93-6 HR: 3
DIMETHYLMYLERAN

mf: C₈H₁₈O₆S₂ mw: 272.36

SYNS: DDM □ 2,5-DIMETHANESULFOMYLOXYHEXANE □ 1,4-DIMETHANESULFONOXY-1,4-DIMETHYLBUTANE □ 2,5-HEXANEDIOL DIMETHYLSULFONATE □ NSC-23890

TOXICITY DATA with REFERENCE:

sln-dmg-orl 1 pph ZEVBA5 90,457,59

dlt-ofs-ipr 4 mg/kg MUREAV 58,263,78

spm-mus-ipr 4 mg/kg EXPEAM 30,178,74

dlt-mus-ipr 8 mg/kg IRLCDZ 5,341,77

ipr-mus LD50:16 mg/kg JNCIAM 56,609,76

ivn-dog LDLo:1 mg/kg CCSUBJ 2,203,65

ivn-mky LDLo:1 mg/kg CCSUBJ 2,203,65

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Mutation data reported. Used for treatment of chronic granulocytic leukemia. When heated to decomposition it emits very toxic fumes of SO_x.**DSU100 CAS: 33447-90-4 HR: D
meso-DIMETHYLMYLERAN**mf: C₈H₁₈O₆S₂ mw: 274.38**SYN:** (R*,S*)-DIMETHANESULFONATE-meso-2,5-HEXANEDIOL (9CI)**TOXICITY DATA with REFERENCE:**

dlt-ofs-ipr 4 mg/kg MUREAV 58,263,78

spm-mus-ipr 4 mg/kg EXPEAM 30,178,74

SAFETY PROFILE: Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x.**DSU200 CAS: 3015-65-4 HR: 3
N,N-DIMETHYLMYRISTAMIDE**mf: C₁₆H₃₃NO mw: 255.50**SYN:** N,N-DIMETHYLTETRADECANAMIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1430 mg/kg AIHAAP 32,539,71

ivn-mus LD50:150 mg/kg AIHAAP 32,539,71

ipr-rbt LD50:1500 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:84 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**DSU300 CAS: 302959-32-6 HR: 3
1,2-DIMETHYL-3-(2-NAPHTHALENYL)(2R,3S)-
REL-3-PYRROLIDINOL DROCHLORIDE**mf: C₁₆H₁₉NO•ClH mw: 277.79**TOXICITY DATA with REFERENCE:**

scu-mus TDLo:0.19 mg/kg FRMCE8 55,611,2000

scu-mus TDLo:0.19 mg/kg FRMCE8 55,611,2000

SAFETY PROFILE: A poison by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.**DSU310 CAS: 2197-57-1 HR: 3
2,3-DIMETHYL-1,4-NAPHTHOQUINONE**mf: C₁₂H₁₀O₂ mw: 186.22**SYN:** 1,4-NAPHTHOQUINONE, 2,3-DIMETHYL- □ USAF SN-29**TOXICITY DATA with REFERENCE:**

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

orl-rat TDLo:930 mg/kg CBINA8 134,87,2001

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**DSU400 CAS: 86-56-6 HR: 3
N,N-DIMETHYL-1-NAPHTHYLAMINE**mf: C₁₂H₁₃N mw: 171.26**PROP:** A liquid. D: 1.052 @ 4°/4°, bp: 272–274°.**SYNS:** 1-DIMETHYLAMINONAPHTHALENE □ DIMETHYL-α-NAPHTHYLAMINE □ α-DIMETHYLNAPHTHYLAMINE □ N,N-DIMETHYL-α-NAPHTHYLAMINE**TOXICITY DATA with REFERENCE:**

dnd-mus-ipr 50 mg/kg CRNGDP 2,265,81

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

ipr-mus LD50:75 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSU600 CAS: 607-59-0 HR: 2
N,N-DIMETHYL-p-(1-NAPHTHYLAZO)ANILINE**mf: C₁₈H₁₇N₃ mw: 275.38**SYNS:** DAN □ p-DIMETHYLAMINO BENZENE-AZO-1-NAPHTHALENE □ p-DIMETHYLAMINO BENZENE-1-AZO-1-NAPHTHALENE**TOXICITY DATA with REFERENCE:**

dns-rat:lvrl 100 μmol/L MUREAV 136,255,84

dns-rat-orl 100 mg/kg ENMUDM 7,101,85

dns-ham:lvrl 10 μmol/L MUREAV 136,255,84

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSU800 CAS: 613-65-0 HR: 2
N,N-DIMETHYL-4(2'-NAPHTHYLAZO)ANILINE**mf: C₁₈H₁₇N₂ mw: 261.37**SYNS:** DA-2-N □ p-DIMETHYLAMINO BENZENE-1-AZO-2-NAPHTHALENE □ 2-(4-DIMETHYLAMINOPHENYL-AZO)-NAPHTHALENE**TOXICITY DATA with REFERENCE:**

dns-rat:lvrl 10 μmol/L MUREAV 136,255,84

dns-rat-orl 100 mg/kg ENMUDM 7,101,85

dns-ham:lvrl 2 μmol/L MUREAV 136,255,84

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSV000 CAS: 63019-14-7 HR: 2
N,N-DIMETHYL-p-(2-(1-NAPHTHYL)VINYL)-
ANILINE**mf: C₂₀H₁₉N mw: 273.40**SYN:** 1-(4'-DIMETHYLAMINOPHENYL)-2-(1'-NAPHTHYL)-ETHYLENE**TOXICITY DATA with REFERENCE:**

scu-mus TDLo:320 mg/kg/W-I:ETA,REP PTRMAD 241,147,48

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DSV200 CAS: 4164-28-7 HR: 3
DIMETHYLNITRAMINE**

mf: C₂H₆N₂O₂ mw: 90.10**PROP:** Needles from ligroin. Mp: 58°, bp: 187°. Sol in H₂O.**SYNS:** DIMETHYLNITRAMIN (GERMAN) □
DIMETHYLNITROAMINE □ DMNM □ DMNO □ N-
NITRODIMETHYLAMINE □ N-NITRO-DMA**TOXICITY DATA with REFERENCE:**

mma-sat 250 µmol/plate CRNGDP 5,809,84

hma-rat/sat 200 mg/kg CNREA8 41,3205,81

orl-rat LD50:1095 mg/kg TXAPA9 33,185,75

ipr-rat LD50:897 mg/kg TXAPA9 33,185,75

ipr-mus LD50:399 mg/kg DCTODJ 1,363,78

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSV240 CAS: 141657-27-4 HR: D**
1,1'-DIMETHYL-2'-NITRO-2,4'-BI-1H-IMIDAZOLEmf: C₈H₉N₅O₂ mw: 207.22**SYN:** 2,4'-BI-1H-IMIDAZOLE, 1,1'-DIMETHYL-2'-NITRO-**TOXICITY DATA with REFERENCE:**

uns-bac-esc 14,500 pmol/tube EMMUEG 19,167,92

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DSV289 CAS: 22691-91-4 HR: 3**
3,3-DIMETHYL-1-NITRO-1-BUTYNEmf: C₆H₉NO₂ mw: 127.14O₂NC≡CC(CH₃)₃**PROP:** Yellow-green liquid. Fp: -3°, bp: 55° @ 15 mm.**SYN:** tert-BUTYLNITROACETATE**SAFETY PROFILE:** Ignites and then explodes on contact with primary, secondary, and tertiary amines. When heated to decomposition it emits toxic fumes of NO_x. See also ACETYLENE COMPOUNDS and NITRO COMPOUNDS.**DSV300 CAS: 133591-33-0 HR: D**
1,4-DIMETHYL-3-NITROCARBAZOLEmf: C₁₄H₁₂N₂O₂ mw: 240.28**SYNS:** 9H-CARBAZOLE, 1,4-DIMETHYL-3-NITRO- □ 1,4-DIMETHYL-3-NITRO-9H-CARBAZOLE**TOXICITY DATA with REFERENCE:**

mic-sat 5 µLg/plate MUREAV 389,247,1997

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DSV310 CAS: 133591-38-5 HR: D**
1,4-DIMETHYL-6-NITRO-9H-CARBAZOLEmf: C₁₄H₁₂N₂O₂ mw: 240.28**SYNS:** 9H-CARBAZOLE, 1,4-DIMETHYL-6-NITRO- □ 5,8-DIMETHYL-3-NITROCARBAZOLE**TOXICITY DATA with REFERENCE:**

mic-sat 5 µLg/plate MUREAV 389,247,1997

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DSV400 CAS: 59-35-8 HR: 2**
4,6-DIMETHYL-2-(5-NITRO-2-**FURYL)PYRIMIDINE**mf: C₁₀H₉N₃O₃ mw: 219.22**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x.**DSV600 CAS: 13230-04-1 HR: D**
1,2-DIMETHYL-4-NITRO-1H-IMIDAZOLEmf: C₅H₇N₃O₂ mw: 141.15**PROP:** Needles from EtOH. Mp: 182–183°.**TOXICITY DATA with REFERENCE:**

mmo-sat 5 mmol/L MUREAV 66,207,79

mmo-klp 5 mmol/L/20H MUREAV 66,207,79

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also other dimethyl nitroimidazole entries.**DSV800 CAS: 551-92-8 HR: 2**
1,2-DIMETHYL-5-NITROIMIDAZOLEmf: C₅H₇N₃O₂ mw: 141.15**PROP:** Needles from H₂O. Mp: 138–139°.**SYNS:** 1,2-DIMETHYL-5-NITRO-1H-IMIDAZOLE □

DIMETRIDAZOLE □ EMTRYL □ EMTRYLVET □ EMTRYMIX □ 8595 R.P.

TOXICITY DATA with REFERENCE:

mmo-sat 25 µg/plate MUREAV 38,203,76

bfa-rat/sat 800 mg/kg MUREAV 97,171,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DSW500 CAS: 5213-47-8 HR: 3**
4,5-DIMETHYL-2-NITROIMIDAZOLEmf: C₅H₇N₃O₂ mw: 141.15**TOXICITY DATA with REFERENCE:**

orl-mus LD50:330 mg/kg AACHAX -,478,65

ipr-mus LD50:158 mg/kg AACHAX -,478,65

scu-mus LD50:297 mg/kg AACHAX -,478,65

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**DSW600 CAS: 3837-55-6 HR: 2**
N,N-DIMETHYL-p-((m-NITROPHENYL)AZO)-ANILINEmf: C₁₄H₁₄N₄O₂ mw: 270.32**SYN:** 3'-NITRO-4-DIMETHYLAMINOAZOBENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DSW800 CAS: 3010-38-6 HR: 2**
N,N-DIMETHYL-p-((o-NITROPHENYL)AZO)-ANILINEmf: C₁₄H₁₄N₄O₂ mw: 270.32**SYN:** 2'-NITRO-4-DIMETHYLAMINOAZOBENZENE

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

DSX400 CAS: 7227-92-1 HR: 3
3,3-DIMETHYL-1-(p-NITROPHENYL)TRIAZENE

mf: C₈H₁₀N₄O₂ mw: 194.22

SYNS: 1-p-NITROFENYL-3,3-DIMETHYLTRIAZEN (CZECH) □ 1-(p-NITROPHENYL)-3,3-DIMETHYL-TRIAZEN (GERMAN) □ 1-(p-NITROPHENYL)-3,3-DIMETHYL-TRIAZENE □ 1-(4-NITROPHENYL)-3,3-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

mno-sat 300 nmol/plate MUREAV 190,177,87

cyt-hmn:lym 1 μmol/L MUREAV 190,183,87

orl-rat LD50:1660 mg/kg 28ZPAK -,133,72

scu-rat LD50:350 mg/kg ZKKOBW 81,285,74

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. Questionable carcinogen with experimental neoplastigenic and tumorigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DSX800 CAS: 37699-43-7 HR: 2
2,3-DIMETHYL-4-NITROPYRIDINE-1-OXIDE

mf: C₇H₈N₂O₃ mw: 168.17

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate GANNA2 70,799,79

dnr-esc 500 μg/well CNREA8 32,2369,72

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

DSY000 CAS: 21816-42-2 HR: 2
2,5-DIMETHYL-4-NITROPYRIDINE-1-OXIDE

mf: C₇H₈N₂O₃ mw: 168.17

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate GANNA2 70,799,79

mno-esc 500 μmol/L GANNA2 70,799,79

dnd-mus:fbr 500 μmol/L CNREA8 35,521,75

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

DSY200 CAS: 14248-66-9 HR: D
3,5-DIMETHYL-4-NITROPYRIDINE 1-OXIDE

mf: C₇H₈N₂O₃ mw: 168.17

TOXICITY DATA with REFERENCE:

mno-sat 2500 nmol/plate GANNA2 70,799,79

dnd-mus:fbr 500 μmol/L CNREA8 35,521,75

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

DSY600 CAS: 138-89-6 HR: 3
N,N-DIMETHYL-p-NITROSOANILINE

DOT: UN 1369

mf: C₈H₁₀N₂O mw: 150.20

(CH₃)₂NC₆H₄N:O

PROP: Green plates from Et₂O. Mp: 92.5–93.5°. Sol in EtOH, Et₂O; sltly sol in H₂O.

SYNS: ACCELERINE □ p-(DIMETHYLAMINO)NITROSOBENZENE □ 4-(DIMETHYL-AMINO)NITROSOBENZENE □ DIMETHYL-p-NITROSO-ANILINE (DOT) □ N,N-DIMETHYL-4-NITROSOBENZENAMINE □ DIMETHYL(p-NITROSOPHENYL)AMINE □ NCI-C01821 □ NDMA □ p-NITROSO-N,N-DIMETHYLANILINE □ 4-NITROSO-DIMETHYLANILINE □ p-NITROSODIMETHYL-ANILINE (DOT) □ PARANITROSODIMETHYLANILIDE □ ULTRA BRILLIANT BLUE P

TOXICITY DATA with REFERENCE:

mno-sat 10 μg/plate ENMUDM 8(Suppl 7),1,86

mma-sat 33 μg/plate ENMUDM 8(Suppl 7),1,86

orl-rat LD50:65 mg/kg NCIMR* NIH-71-E-2144

orl-gpg LDLo:650 mg/kg JIDHAN 13,87,31

orl-mam LDLo:650 mg/kg JIDHAN 13,87,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 4.2; Label: Spontaneously Combustible

SAFETY PROFILE: Poison by ingestion. Mutation data reported. Questionable carcinogen with experimental tumorigenic data. Flammable when exposed to heat, flame, or oxidizers. Violent reaction with acetic anhydride + acetic acid. When heated to decomposition it emits toxic fumes of NO_x.

DSY800 CAS: 70786-64-0 HR: 2
3,2'-DIMETHYL-4-NITROSOBIPHENYL

mf: C₁₄H₁₃NO mw: 211.28

TOXICITY DATA with REFERENCE:

mno-sat 120 μmol/plate JMCMAR 22,981,79

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

DSY889 HR: 3
1,2-DIMETHYLNITROSOHYDRAZINE

mf: C₂H₇N₃ mw: 73.10

SAFETY PROFILE: The liquid deflagrates on heating. When heated to decomposition it emits toxic fumes of NO_x. See also HYDRAZINE.

DSZ000 CAS: 16339-12-1 HR: 3
N,O-DIMETHYL-N-NITROSOHYDROXYLAMINE

mf: C₂H₆N₂O₂ mw: 90.10

SYNS: N-METHOXY-N-NITROSOMETHYLAMINE □ N-NITROSOMETHOXYMETHYLAMINE □ N-NITROSO-METHYLMETHOXYAMINE □ N-NITROSO-N-METHYL-*o*-METHYLHYDROXYLAMINE (GERMAN) □ N-NITROSO-N-METHYL-*o*-METHYL-HYDROXYLAMINE

TOXICITY DATA with REFERENCE:

mno-sat 1 μg/plate MUREAV 51,319,78

mma-sat 1 μg/plate MUREAV 51,319,78

mno-omi 1 pph/72H-C SOGEBZ 10,522,74

ivn-rat LD50:130 mg/kg ZEKBAI 69,103,67

SAFETY PROFILE: Poison by intravenous route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits

toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DTA000 CAS: 1456-28-6 HR: 3
2,6-DIMETHYLNITROSOMORPHOLINE

mf: C₆H₁₂N₂O₂ mw: 144.20

SYNS: DIMETHYLNITROSOMORPHOLINE □ 2,6-DIMETHYL-N-NITROSOMORPHOLINE □ DMNM □ Me₂NMOR □ NITROSO-2,6-DIMETHYLMORPHOLINE □ N-NITROSO-2,6-DIMETHYLMORPHOLINE

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate TCMUD8 1,295,80
 mma-sat 50 nmol/plate MUREAV 57,1,78
 dns-rat:lv1 1 mmol/L MUREAV 144,197,85
 scu-rat LD50:387 mg/kg CALEDQ 13,159,81
 orl-gpg LD50:280 mg/kg JJIND8 64,529,80
 orl-ham LD50:367 mg/kg JNCIAM 58,429,77
 scu-ham LD50:320 mg/kg JNCIAM 60,197,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, tumorigenic, and neoplastigenic data. Poison by ingestion and subcutaneous routes. Mutation data reported. Used as a model carcinogenic and carcinogenic metabolite. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DTA050 HR: 2
2,6-DIMETHYL-4-NITROSOMORPHOLINE cis and trans mixture (2:1)

mf: C₆H₁₂N₂O₂ mw: 144.20

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

DTA400 CAS: 17721-95-8 HR: 2
2,6-DIMETHYLNITROSOPIPERIDINE

mf: C₇H₁₄N₂O mw: 142.23

SYN: N-NITROSO-2,6-DIMETHYLPYPERIDINE

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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 N-NITROSO COMPOUNDS.

DTA600 CAS: 65445-59-2 HR: 2
3,5-DIMETHYLNITROSOPIPERIDINE

mf: C₇H₁₄N₂O mw: 142.23

SYNS: 3,5-DIMETHYL-1-NITROSOPIPERIDINE □ N-NITROSO-3,5-DIMETHYLPYPERIDINE

TOXICITY DATA with REFERENCE:

mno-sat 1 µg/plate MUREAV 56,131,77
 sln-dmg-ori 5 mmol/L/24H MUREAV 67,27,79
 mma-smc 50 mmol/L/24H MUREAV 57,155,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported.

Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DTA690 CAS: 78338-31-5 HR: 2
cis-3,5-DIMETHYL-1-NITROSOPIPERIDINE

mf: C₇H₁₄N₂O mw: 142.23

SYNS: NITROSO-3,5-DIMETHYLPYPERIDINE cis-isomer □ PIPERIDINE, 3,5-DIMETHYL-1-NITROSO-, (Z)-

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate TCMUD8 1,295,80

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

DTA700 CAS: 78338-32-6 HR: 2
trans-3,5-DIMETHYL-1-NITROSOPIPERIDINE

mf: C₇H₁₄N₂O mw: 142.23

SYNS: NITROSO-3,5-DIMETHYLPYPERIDINE trans-isomer □ PIPERIDINE, 3,5-DIMETHYL-1-NITROSO-, (E)-

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate TCMUE9 1,129,84

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

DTA800 CAS: 55556-86-0 HR: 2
2,5-DIMETHYL-N-NITROSOPYRROLIDINE

mf: C₆H₁₂N₂O mw: 128.20

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

DTB200 CAS: 13256-32-1 HR: 3
1,3-DIMETHYLNITROSOUREA

mf: C₃H₇N₃O₂ mw: 117.13

SYNS: DIMETHYLNITROSOHARNSTOFF (GERMAN) □ N,N'-DIMETHYLNITROSOUREA □ 1,3-DIMETHYL-N-NITROSO-UREA □ NITROSODIMETHYLUREA □ N-NITROSODIMETHYLUREA

TOXICITY DATA with REFERENCE:

mno-omi 1 pph ANTBAL 27,738,82
 dni-mus-ivr 80 mg/kg INSSDM 19,85,81
 par-rat TDLo:50 mg/kg (female 9D post):TER IARCCD 4,112,73
 orl-rat LD50:280 mg/kg ZEKBAI 69,103,67
 ivn-rat LD50:280 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by ingestion and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DTB800 CAS: 128-50-7 HR: 2

6,6-DIMETHYL-2-NORPINENE-2-ETHANOLmf: C₁₁H₁₈O mw: 166.29**SYNS:** 6,6-DIMETHYLBICYCLO-(3.1.1)-2-HEPTENE-2-ETHANOL □ HOMOMYRETHENOL □ NOPOL □ NOPOL (TERPENE)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 17,879,79

orl-rat LD50:890 mg/kg FCTXAV 17,879,79

ims-mus LD50:500 mg/kg JSICAZ 21,342,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intramuscular routes. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DTC000 CAS: 128-51-8 HR: 2
6,6-DIMETHYL-2-NORPINENE-2-ETHANOL ACETATE**mf: C₁₃H₂₀O₂ mw: 208.33**SYNS:** CITROVIOL □ 6,6-DIMETHYLBICYCLO(3.1.1)-2-HEPTENE-2-ETHYL ACETATE □ LIGNYL ACETATE □ NOPOL ACETATE □ NOPYL ACETATE □ 2-PINENE-10-METHYL ACETATE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 12,943,74

orl-rat LD50:3000 mg/kg FCTXAV 12,943,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DTC200 CAS: 3886-90-6 HR: 3
N,N-DIMETHYLOCTADECANAMIDE**mf: C₂₀H₄₁NO mw: 311.62**SYN:** N,N-DIMETHYLSTEARAMIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:2000 mg/kg AIHAAP 32,539,71

ivn-mus LD50:153 mg/kg AIHAAP 32,539,71

ivn-rbt LD50:71 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**DTC300 CAS: 13362-04-4 HR: 2
(N,N-DIMETHYL-1-OCTADECANAMINE)TRI-HYDROBORON (T-4)**mf: C₂₀H₄₆BN mw: 311.48**SYN:** BORON, (N,N-DIMETHYL-1-OCTADECANAMINE)-TRIHYDRO-(T-4)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:500 mg/kg EJMCA5 26,517,1991

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and B.**DTC400 CAS: 124-28-7 HR: 3
N,N-DIMETHYLOCTADECYLAMINE**mf: C₂₀H₄₃N mw: 297.64**PROP:** A solid or liquid. Fp: 22.9°.**SYNS:** ARMEEN DM 18D □ DIMANTINE □ N,N-DIMETHYLOKTADECYLAMINE (CZECH) □ DIMETHYLSTEARAMINE □ DYMANTHINE □ KEMAMINE 9902D □ STEARYLDIMETHYLAMINE**TOXICITY DATA with REFERENCE:**

skn-rbt 20 mg/24H MOD 85JCAE -,440,86

eye-rbt 20 mg/24H MOD 85JCAE -,440,86

ipr-rat LDLo:100 mg/kg NCNSA6 5,11,53

ipr-mus LD50:315 mg/kg EJMCA5 26,517,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**DTC600 CAS: 122-19-0 HR: 3
DIMETHYLOCTADECYLBENZYLAMMONIUM CHLORIDE**mf: C₂₇H₅₀N⁺Cl⁻ mw: 424.23**SYNS:** AMMONYX 4 □ AMMONYX CA SPECIAL □ ARQUAD DM18B-90 □ BARQUAT SB-25 □ BENZYLDMETHYLSTEARYL-AMMONIUM CHLORIDE □ BENZYLSTEARYLDIMETHYL-AMMONIUM CHLORIDE □ CARSOQUAT SDQ-25 □ DEHYQUART STC-25 □ DIMETHYLBENZYLOCTADECYL-AMMONIUM CHLORIDE □ INTEXAN SB-85 □ J SOFT C 4 □ KATAMINE AB □ NISSAN CATION S2-100 □ N-OCTADECYL-N-BENZYL-N,N-DIMETHYLAMMONIUMCHLORIDE □ OCTADECYLDIMETHYLBENZYLAMMONIUM CHLORIDE □ ORTHOSAN MB □ QUATERNOL 1 □ STEARALKONIUM CHLORIDE □ STEARYLDIMETHYLBENZYLAMMONIUM CHLORIDE □ STEBAC □ TALLOW BENZYL DIMETHYLAMMONIUM CHLORIDE □ TRITON X-40 □ VARISOFT SDC**TOXICITY DATA with REFERENCE:**

skn-hmn 3 mg/3D-I MLD 85DKA8 -,127,77

skn-man 125 mg/2D MLD PSTGAW 20,16,53

skn-rbt 1 mg/24H OYYAA2 6,329,72

eye-rbt 200 µg SEV PSTGAW 20,16,53

orl-rat LD50:1250 mg/kg JACTDZ 1(2),57,82

ipr-rat LD50:280 mg/kg KHFZAN 12(12),61,78

orl-mus LD50:760 mg/kg JACTDZ 1(2),57,82

ipr-mus LD50:175 mg/kg KHFZAN 12(12),61,78

orl-gpg LD50:500 mg/kg GISAAA 49(8),90,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. A human skin irritant and severe experimental eye irritant. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻.**DTC800 CAS: 5392-40-5 HR: 2
3,7-DIMETHYL-2,6-OCTADIENAL**mf: C₁₀H₁₆O mw: 152.26**PROP:** Mobile, pale-yellow liquid; strong lemon odor. D: 0.891–0.897 @ 15°, refr index: 1.486–1.490, flash p: 198°F. Sol in 5 volumes of 60% alc; sol in all proportions of benzyl benzoate, diethyl phthalate, glycerin, propylene glycol, mineral oil, fixed oils, and 95% alc; insol in water.**SYNS:** BUTOBEN □ BUTYL p-HYDROXYBENZOATE □ CITRAL (FCC) □ FEMA No. 2203 □ NCI-C56348 □ NERAL**TOXICITY DATA with REFERENCE:**

skn-hmn 40 mg/24H MLD FCTXAV 17,259,79
 skn-man 16 mg/48H SEV CTOIDG 94(8),41,79
 skn-rbt 100 mg/24H SEV CTOIDG 94(8),41,79
 skn-gpg 1%/48H MOD JSICA5 28,357,77
 skn-gpg 100 mg/24H SEV CTOIDG 94(8),41,79
 dnr-bcs 2222 µg/disc OIGZSE 34,267,85
 orl-rat LD50:4960 mg/kg FCTXAV 2,327,64
 ipr-rat LD50:460 mg/kg JRPFA4 55,347,79
 orl-mus LD50:6000 mg/kg BIJOAK 34,1196,40

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. Experimental reproductive effects. A severe human and experimental skin irritant. Mutation data reported. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

DTC990 CAS: 5986-38-9 HR: 2

2,6-DIMETHYL-5,7-OCTADIEN-2-OL

mf: C₁₀H₁₈O mw: 154.28

SYN: OCIMENOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:1700 mg/kg FCTXAV 14,817,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTD000 CAS: 106-24-1 HR: 3

3,7-DIMETHYL-(E)-2,6-OCTADIEN-1-OL

mf: C₁₀H₁₈O mw: 154.28

PROP: Colorless to pale-yellow, oily liquid; pleasant floral odor. D: 0.870–0.890 @ 15°, refr index: 1.469–1.478, mp: 15°, bp: 230°, flash p: 214°F. Sol in fixed oils, propylene glycol; sltly sol in water; insol in glycerin @ 230°.

SYNS: 2,6-DIMETHYL-trans-2,6-OCTADIEN-8-OL □ 3,7-DIMETHYL-trans-2,6-OCTADIEN-1-OL □ FEMA No. 2507 □ GERANIOL (FCC) □ GERANIOL ALCOHOL □ GERANIOL EXTRA □ GERANYL ALCOHOL □ GUANIOL □ LEMONOL

TOXICITY DATA with REFERENCE:

skn-man 16 mg/24H SEV CTOIDG 94(8),41,79
 skn-rbt 100 mg/24H SEV CTOIDG 94(8),41,79
 skn-gpg 100 mg/24H SEV CTOIDG 94(8),41,79
 orl-rat LD50:3600 mg/kg FCTXAV 2,327,64
 scu-mus LD50:1090 mg/kg SIZSAR 3,73,52
 ims-mus LD50:4000 mg/kg JSICAZ 21,342,62
 ivn-rbt LDLo:50 mg/kg NYKZAU 58,394,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion, subcutaneous, and intramuscular routes. A severe human skin irritant. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

DTD200 CAS: 106-25-2 HR: 2

2-cis-3,7-DIMETHYL-2,6-OCTADIEN-1-OL

mf: C₁₀H₁₈O mw: 154.28

PROP: Colorless oily liquid; sweet, rose odor. D: 0.875–0.880, refr index: 1.467–1.478, bp: 225–226°. Sol in alc, chloroform, ether, water @ 227°.

SYNS: 3,7-DIMETHYL-(Z)-2,6-OCTADIEN-1-OL □ FEMA No. 2770 □ NEROL (FCC)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,623,76
 orl-rat LD50:4500 mg/kg FCTXAV 14,623,76
 ims-mus LD50:3000 mg/kg JSICAZ 21,342,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTD800 CAS: 105-87-3 HR: 1
trans-3,7-DIMETHYL-2,6-OCTADIEN-1-OL
ACETATE

mf: C₁₂H₂₀O₂ mw: 196.32

PROP: Colorless, sweet, clear, oily liquid; odor of lavender. D: 0.907–0.918 @ 15°, refr index: 1.458–1.464, bp: 130–132° @ 16 mm, flash p: 219°F. Sol in alc, fixed oils, ether; sltly sol in propylene glycol; insol in water and glycerol.

SYNS: ACETIC ACID GERANIOL ESTER □ 3,7-DIMETHYL-2-trans-6-OCTADIENYL ACETATE □ trans-3,7-DIMETHYL-2,6-OCTADIEN-1-YL ACETATE □ trans-2,6-DIMETHYL-2,6-OCTADIEN-8-YL ETHANOATE □ FEMA No. 2509 □ GERANIOL ACETATE □ GERANYL ACETATE (FCC) □ NCI-C54728

TOXICITY DATA with REFERENCE:

skn-man 16 mg/48H MLD CTOIDG 94(8),41,79
 skn-rbt 100 mg/24H SEV CTOIDG 94(8),41,79
 skn-gpg 100 mg/24H MOD CTOIDG 94(8),41,79
 pic-esc 25 µg/well MUREAV 260,349,91
 mma-mus:lyms 18 mg/L MUREAV 196,61,88
 sce-ham:ovr 70 mg/L EMMUEG 10(Suppl 10),1,87
 orl-rat LD50:6330 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: NTP Carcinogenesis Studies (gavage); No Evidence: mouse, rat NTPTR* NTP-TR-252,87. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A human skin irritant. Mutation data reported. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DTE000 CAS: 56172-46-4 HR: 1
3,7-DIMETHYL-2-trans-6-OCTADIENYL
CROTONATE

mf: C₁₄H₂₂O₂ mw: 222.36

SYNS: CROTONIC ACID GERANIOL ESTER □ trans-3,7-DIMETHYL-2,6-OCTADIEN-1-OL-2-BUTENOATE □ 3,7-DIMETHYL-2,6-OCTADIENYL ESTER-2-BUTENOIC ACID □ GERANIOL CROTONATE □ GERANYL-2-BUTENOATE □ GERANYL CROTONATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 12,891,74
 orl-rat LD50:>5 g/kg FCTXAV 12,891,74
 skn-rbt LD50:>5 g/kg FCTXAV 12,891,74

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. See also ESTERS.

DTE100 CAS: 61750-69-4 HR: 3
5-((3,7-DIMETHYL-2,6-OCTADIENYL)OXY)-2-ETHYLPYRIDINE, (E)-

mf: $C_{17}H_{25}NO$ mw: 259.43

SYNS: AI3-70643 □ HS 103 □ SILVER HALIDE SOLV HS103

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg KODAK* 21MAY1971

ipr-rat LD50:25 mg/kg KODAK* 21MAY1971

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

DTE200 CAS: 1118-92-9 HR: 3
N,N-DIMETHYLOCTANAMIDE

mf: $C_{10}H_{21}NO$ mw: 171.32

SYN: N,N-DIMETHYLCAPRYLAMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:620 mg/kg AIHAAP 32,539,71

ivn-mus LD50:36 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTE400 CAS: 107-74-4 HR: 1
3,7-DIMETHYL-1,2-OCTANEDIOL

mf: $C_{10}H_{22}O_2$ mw: 174.32

SYNS: 3,7-DIMETHYL-7-HYDROXY-1-OCTANOL □ HYDROXYCITRONELLOL □ 7-HYDROXY-3,7-DIMETHYLOCTAN-1-OL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,923,74

orl-rat LD50:>5 g/kg FCTXAV 12,923,74

skn-rbt LD50:>5 g/kg FCTXAV 12,923,74

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.

DTE600 CAS: 106-21-8 HR: 2
DIMETHYLOCTANOL

mf: $C_{10}H_{22}O$ mw: 158.32

PROP: Colorless liquid; sweet, rose odor. D: 0.26–0.842, refr index: 1.435. Sol in fixed oils, propylene glycol; insol in glycerin.

SYNS: DIHYDROCITRONELLOL □ 2,6-DIMETHYL-8-OCTANOL □ 3,7-DIMETHYL-1-OCTANOL (FCC) □ FEMA No. 2391 □ GERANIOL TETRAHYDRIDE □ PELARGOL □ PERHYDROGERANIOL □ TETRAHYDROGERANIOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 13,517,75

orl-rat LD50:>5 g/kg FCTXAV 12,535,74

skn-rbt LD50:2400 mg/kg FCTXAV 12,535,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTE800 CAS: 20780-49-8 HR: 1
3,7-DIMETHYLOCTANYL ACETATE

mf: $C_{12}H_{24}O_2$ mw: 200.36

PROP: Bp: 109–110° @ 12 mm.

SYNS: DIHYDROCITRONELLYL ACETATE □ 3,7-DIMETHYLOCTYL ACETATE □ TETRAHYDROGERANYL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 18,673,80

skn-rbt LD50:5000 mg/kg FCTXAV 18,673,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTF000 CAS: 67874-80-0 HR: 1
3,7-DIMETHYLOCTANYL BUTYRATE

mf: $C_{14}H_{28}O_2$ mw: 228.42

SYNS: 3,7-DIMETHYLOCTYL ESTER BUTANOIC ACID □ TETRAHYDROGERANYL BUTYRATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 18,649,80

orl-rat LD50:>5 g/kg FCTXAV 18,675,80

skn-rbt LD50:>5 g/kg FCTXAV 18,675,80

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.

DTF200 CAS: 29714-87-2 HR: 1
DIMETHYLOCTATRIENE

mf: $C_{10}H_{16}$ mw: 136.26

SYNS: DIMETHYLOCTATRIENE (mixed isomer) □ OCIMENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,829,78

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

DTF400 CAS: 141-25-3 HR: 2
2,6-DIMETHYL-1-OCTEN-8-OL

mf: $C_{10}H_{20}O$ mw: 156.30

PROP: Flash p: 212°F.

SYNS: α-CITRONELLOL □ 3,7-DIMETHYL-7-OCTEN-1-OL □ FEMA No. 2981 □ RHODINOL (FCC)

TOXICITY DATA with REFERENCE:

ims-mus LD50:4000 mg/kg JSICAZ 21,342,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTF410 CAS: 106-22-9 HR: 2
2,6-DIMETHYL-2-OCTEN-8-OL

mf: $C_{10}H_{20}O$ mw: 156.30

SYNS: CEPHROL □ CITRONELLOL □ 3,7-DIMETHYL-6-OCTEN-1-OL □ 6-OCTEN-1-OL, 3,7-DIMETHYL- □ RHODINOL □ RODINOL

TOXICITY DATA with REFERENCE:

skn-man 16 mg/48H MOD CTOIDG 94(8),41,79
 skn-rbt 100 mg/24H SEV CTOIDG 94(8),41,79
 skn-gpg 100 mg/24H SEV CTOIDG 94(8),41,79
 orl-rat LD50:3450 mg/kg FCTXAV 13,757,75
 scu-mus LD50:880 mg/kg SIZSAR 3,73,52
 ims-mus LD50:4 g/kg JSICAZ 21,342,62
 skn-rbt LD50:2650 mg/kg FCTXAV 13,757,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, subcutaneous, and skin contact routes. A human skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

DTF800 CAS: 141-16-2 HR: 1
2,6-DIMETHYL-2-OCTEN-8-YL BUTYRATE

mf: $C_{14}H_{26}O_2$ mw: 226.40

SYNS: BUTYRIC ACID-3,7-DIMETHYL-6-OCTENYL ESTER □ 3,7-DIMETHYL-6-OCTEN-1-OL BUTYRATE □ 2,6-DIMETHYL-2-OCTEN-8-OL-BUTYRATE □ RHODINYL BUTYRATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTXAV 14,849,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTF820 CAS: 5538-94-3 HR: 3
N,N-DIMETHYL-N-OCTYL-1-OCTANAMINIUM CHLORIDE

mf: $C_{18}H_{40}N \cdot Cl$ mw: 306.04

SYNS: AMMONIUM, DIMETHYLDIOCTYL-, CHLORIDE □ DIMETHYLDIOCTYLAMMONIUM CHLORIDE □ DIOCTYLDIMETHYLAMMONIUM CHLORIDE □ DODIGEN 2617 □ HOE-S 2617 □ 1-OCTANAMINIUM, N,N-DIMETHYL-N-OCTYL-, CHLORIDE □ QUERTON 28CL □ RC 5626

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

orl-mus LDLo:50 mg/kg NTIS** OTS0543823

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTF850 CAS: 78-66-0 HR: 2
3,6-DIMETHYL-OCTYN-4-DIOL-(3,6)

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

SYN: 4-OCTYN-3,6-DIOL, 3,6-DIMETHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:825 mg/kg ARZNAD 4,477,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTG000 CAS: 1854-26-8 HR: 2
DIMETHYLOL DIHYDROXYETHYLENE UREA

mf: $C_4H_{10}N_2O_5$ mw: 178.17

PROP: Hygroscopic crystals.

SYNS: ARKOFIX NG □ CASSURIT LR □ DEPREMOL G □ (4,5-DIHYDROXY-1,3-BIS(HYDROXYMETHYL))-2-IMIDAZOLIDINONE □ DIMETHYLOLGLYOXALUREA □ DMDHEU □ FIRMA-TEX RK □ FIXAPRET CP □ HYLITE LF □ KNITTEX LE □ NCI-C60322 □ NEUPERM GFN □ NS 11 □ PERMAFRESH 183 □ PROTOCOL C □ PROX DW □ READPRET KPN □ SARCOSET GM □ SUMITEX FSK □ SUMITEX NS □ VERAPRET DH □ WNM

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,269,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,269,72
 mmo-sat 3333 μg /plate ENMUDM 9(Suppl 9),1,87
 slt-dmg-ort 60 ppb EMMUEG 23,51,94

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye and severe skin irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

DTG200 CAS: 10143-22-3 HR: 2
N,N-DIMETHYLOL-2-METHOXYETHYL CARBAMATE

mf: $C_6H_{13}NO_5$ mw: 179.20

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 5/19/66
 eye-rbt 15 mg SEV UCDS** 3/7/66
 orl-rat LD50:11 g/kg UCDS** 5/19/66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES.

DTG400 CAS: 126-30-7 HR: 2
DIMETHYLOLPROPANE

mf: $C_5H_{12}O_2$ mw: 104.17

PROP: White, crystalline solid or needles from C_6H_6 . Mp: 129°, bp: 206° @ 747 mm.

SYNS: 2,2-DIMETHYL-1,3-PROPANEDIOL □ DIMETHYL-TRIMETHYLENE GLYCOL □ NEOL □ NEOPENTYLENE GLYCOL □ NEOPENTYL GLYCOL □ NPG

TOXICITY DATA with REFERENCE:

orl-rat LDLo:3200 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Used in polyester manufacture. An insect repellent. Combustible when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOLS.

DTG600 CAS: 3084-25-1 HR: 2
DIMETHYLOL THIOUREA

mf: $C_3H_8N_2O_2S$ mw: 136.19

SYN: USAF B-74

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1000 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTG700 CAS: 140-95-4 HR: 2
1,3-DIMETHYLOLUREA

mf: C₃H₈N₂O₃ mw: 120.13

PROP: Crystals from alc. Mp: 132.5°. Very sol in cold water, hot ethanol, and methanol.

SYNS: N,N'-BIS(HYDROXYMETHYL)UREA □ 1,3-BIS(HYDROXYMETHYL)UREA □ CAURITE □ CSI PASTE □ N,N'-DIHYDROXYMETHYLOLUREA □ DMU □ FINISH EN □ KAURIT S □ KNIITEX ASL □ METHURAL □ METHURIN (RUSSIAN) □ METURAL □ OXYMETHUREA □ PERMAFRESH 477 □ PROTESINE DMU □ UREOL P

TOXICITY DATA with REFERENCE:

orl-rat LD50:3400 mg/kg GISAAA 44(3),68,79
 orl-mus LD50:1795 mg/kg GISAAA 44(3),68,79
 orl-rbt LD50:3200 mg/kg GISAAA 44(3),68,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTG750 CAS: 51200-87-4 HR: 2
DIMETHYLOXAZOLIDINE

mf: C₅H₁₁NO mw: 101.17

SYNS: 4,4-DIMETHYLOXAZOLIDINE □ OXAZOLIDINE A

TOXICITY DATA with REFERENCE:

cyt-ham:ovr 500 ng/L EPASR* 8EHQ-0283-0470
 orl-rat LD50:950 mg/kg CTOIDG 96(3),79,81
 ihl-rat LC50:11,700 mg/m³ CTOIDG 96(3),79,81
 skn-rbt LD50:1400 mg/kg CTOIDG 96(3),79,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTH000 CAS: 1955-45-9 HR: 3
3,3-DIMETHYL-2-OXETHANONE

mf: C₅H₈O₂ mw: 100.13

SYNS: 3,3-DIMETHYL-2-OXETANONE □ DIMETHYL PROPIOLACTONE □ 3,3-DIMETHYL-β-PROPIOLACTONE □ NCI-C04126 □ PIVALIC ACID LACTONE □ PIVALOLACTONE

TOXICITY DATA with REFERENCE:

mma-sat 333 µg/plate ENMUDM 7(Suppl 5),1,85
 mma-esc 333 µg/plate ENMUDM 7(Suppl 5),1,85
 orl-rat LD50:1470 mg/kg NCILB* NIH-NCI-E-C-72-3252,73
 orl-mus LD50:316 mg/kg NCILB* NIH-NCI-E-C-72-3252,73

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (gavage); No Evidence: mouse NCITR* NCI-CG-TR-140,78; Clear Evidence: rat NCITR* NCI-CG-TR-140,78. Reported in EPA TSCA Inventory.

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

DTH100 CAS: 32568-89-1 HR: 2
5,5-DIMETHYL-3-(2-(OXIRANYLMETHOXY)-PROPYL)-1-(OXIRANYLMETHYL)-2,4-IMI-DAZOLIDINEDIONE

mf: C₁₄H₂₂N₂O₅ mw: 298.38

SYN: 2,4-IMIDAZOLIDINEDIONE, 5,5-DIMETHYL-3-(2-(OXIRANYLMETHOXY)PROPYL)-1-(OXIRANYLMETHYL)-

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate TSCAT* OTS 206476
 mmo-smc 5 mg/plate TSCAT* OTS 206476
 orl-rat LD50:1800 mg/kg TSCAT* OTS 206476
 orl-mus LD50:1878 mg/kg TSCAT* OTS 206476

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTH200 CAS: 2873-97-4 HR: 2
N-(1,1-DIMETHYL-3-OXOBUTYL)ACRYLAMIDE

mf: C₉H₁₅NO₂ mw: 169.25

PROP: Crystals or solid. Mp: 57–58°, bp: 120° @ 8 mm.

SYNS: DIACETONE ACRYLAMIDE □ N-(1,1-DIMETHYL-3-OXOBUTYL)-2-PROPENAMIDE □ N-(2-(2-METHYL-4-OXOPENTYL))ACRYLAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1770 mg/kg JACTDZ 1,113,90
 orl-mus LD50:1303 mg/kg ARTODN 47,179,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTH400 CAS: 2273-45-2 HR: 3
DIMETHYLOXOSTANNANE

mf: C₂H₆OSn mw: 164.77

PROP: White powder. Insol in water.

SYN: DIMETHYLTIN OXIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#03809

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. 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.

DTH450 CAS: 101007-06-1 HR: 2
2,2-DIMETHYL-3-(3-OXO-3-(2,2,2-TRIFLUORO-1-

(TRIFLUOROMETHYL) ETHOXY-1-PROPENYL)CYCLOPROPANECARBOXYLIC ACID, CYANO(3-PHENOXYPHENYL)METHYL ESTER, (1R-(1- α (S*),3- α (Z)))-**SYNS:** ACRINATHRIN \square RU 38702 \square RUFAST**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>5 g/kg FMCHA2-,C267,1991

skn-rat LD50:>2 g/kg FMCHA2-,C267,1991

orl-mus LD50:>5 g/kg FMCHA2-,C267,1991

SAFETY PROFILE: Moderately toxic by skin contact.Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and F⁻.**DTH500 CAS: 7040-23-5 HR: 2
DIMETHYL 2,2'-OXYBISACETATE**mf: C₆H₁₀O₅ mw: 162.16**SYNS:** ACETIC ACID, OXYBIS-, DIMETHYL ESTER \square ACETIC ACID, OXYDI-, DIMETHYL ESTER \square DIGLYCOLIC ACID, DIMETHYL ESTER \square DIMETHYL DIGLYCOLATE \square TL 150**TOXICITY DATA with REFERENCE:**ihl-mus LC :>1820 mg/m³/10M NDRC** NDCrc-132, Aug, 42

ipr-mus LD :>500 mg/kg CBCCT* 4,108,52

SAFETY PROFILE: Moderately toxic by inhalation and intraperitoneal routes. When heated to decomposition it emits acrid smoke and irritating vapors.**DTH600 CAS: 63951-48-4 HR: 2
 α , γ -DIMETHYL- α -OXYMETHYLGLUTAR-ALDEHYDE**mf: C₈H₁₄O₃ mw: 158.22**SYN:** 2-(HYDROXYMETHYL)-2,4-DIMETHYLPENTANEDIAL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg SEV SCCUR* -,4,61

orl-rat LD50:2040 mg/kg SCCUR* -,4,61

orl-mus LD50:570 mg/kg SCCUR* -,4,61

SAFETY PROFILE: Moderately toxic by ingestion. A severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.**DTH700 CAS: 3886-91-7 HR: 3
N,N-DIMETHYLPALMITAMIDE**mf: C₁₈H₃₇NO mw: 283.56**SYNS:** N,N-DIMETHYLHEXADECANAMIDE \square HEXADECANAMIDE, N,N-DIMETHYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:4800 mg/kg AIHAAP 32,539,71

ivn-mus LD50:220 mg/kg AIHAAP 32,539,71

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.**DTH800 CAS: 3820-53-9 HR: 3
DIMETHYL PARANITROPHENYL THIONOPHOSPHATE**mf: C₈H₁₀NO₅PS mw: 263.22**PROP:** Crystals or solid. Vap d: 9.1, mp: 55–56°, d: 1.235 @ 20°/4°.**SYNS:** O,O-DIMETHYL-S-p-NITROFENYL ESTER KYSELINY THIOFOSFORECEN (CZECH) \square O,O-DIMETHYL-S-(p-NITROPHENYL) PHOSPHOROTHIOATE \square O,O-DIMETHYL-S-(4-NITROPHENYL)THIOPHOSPHATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:43 mg/kg 28ZPAK -,208,72

scu-mus LD50:8 mg/kg AMIHAB 11,487,55

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.**DTI000 HR: 3
2,3-DIMETHYLPENTANE**mf: C₇H₁₆ mw: 94.21**PROP:** Liquid. Mp: -135°, bp: 89.8°, d: 0.69 @ 15.5°/15.5°, autoign temp: 635°F, flash p: 21.2°F, lel: 1.1%, uel: 6.7%, vap press: 40 mm @ 13.9°, vap d: 3.45.**SYN:** DIETHYLDIMETHYLMETHANE**SAFETY PROFILE:** Probable irritant and narcotic in high concentration. A very dangerous fire hazard and explosion hazard when exposed to heat, flame, or oxidizers. Keep away from heat and open flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DTI200 CAS: 565-59-3 HR: 2
2,4-DIMETHYLPENTANE**mf: C₇H₁₆ mw: 94.21(CH₃)₂CHCHCH₃CH₂CH₃**PROP:** Flash p: 10.4°F.**SAFETY PROFILE:** A very dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits acrid smoke and fumes.**DTI400 CAS: 10143-23-4 HR: 2
2,3-DIMETHYL-1-PENTANOL**mf: C₇H₁₆O mw: 116.23**SYN:** 2,3-DIMETHYLPENTANOL**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:2380 mg/kg AIHAAP 23,95,62

skn-rbt LD50:2500 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DTI600 CAS: 565-80-0 HR: 3
2,4-DIMETHYL-3-PENTANONE**mf: C₇H₁₄O mw: 114.21**PROP:** A liquid. Flash p: 59°C, d: 0.811 @ 20°/4°, bp: 124–125°.**SYNS:** DIISOPROPYL KETONE \square ISOBUTYRONE \square ISOPROPYL KETONE \square PM 2763**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3536 mg/kg EPASR* 8EHQ-0990-1062

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by ingestion. A flammable liquid and very dangerous fire hazard when exposed to heat, flame, or oxidizers. When heated to decomposition it emits acrid smoke and fumes.

DTI709 **CAS: 71901-54-7** **HR: 3**
S,S-DIMETHYLPENTASULFUR HEXANITRIDE
 mf: $C_2H_6N_6S_5$ mw: 274.41

SAFETY PROFILE: A powerful explosive. Upon decomposition it emits toxic fumes of SO_x and NO_x . See also NITRIDES.

DTI800 **CAS: 3081-01-4** **HR: 2**
N-(1,4-DIMETHYLPENTYL)-N'-PHENYL-1,4-BENZENEDIAMINE

mf: $C_{19}H_{26}N_2$ mw: 282.47

SYNS: 1,4-BENZENEDIAMINE, N-(1,4-DIMETHYLPENTYL)-N'-PHENYL- □ p-PHENYLENEDIAMINE, N-(1,4-DIMETHYLPENTYL)-N'-PHENYL- □ SANTOFLEX 14 □ SANTOFLEX 14 ANTIOZONANT

TOXICITY DATA with REFERENCE:

orl-rat LD50:2100 mg/kg JACTDZ 1,103,90

skn-rbt LDLo:7940 mg/kg JACTDZ 1,103,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTJ000 **CAS: 690-02-8** **HR: 3**
DIMETHYL PEROXIDE

mf: $C_2H_6O_2$ mw: 62.07

PROP: Gas or liquid. Bp: 10°.

SAFETY PROFILE: Both the liquid and the vapor are powerful explosives extremely sensitive to heat or shock. Rough handling may cause ignition. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DTJ159 **CAS: 15411-45-7** **HR: 3**
DIMETHYLPEROXYCARBONATE

mf: $C_4H_6O_6$ mw: 150.09

$CH_3OCO\cdot OOCO\cdot OCH_3$

SAFETY PROFILE: Explodes when heated above 55°C or on impact. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DTJ200 **CAS: 22349-59-3** **HR: 2**
1,4-DIMETHYLPHENANTHRENE

mf: $C_{16}H_{14}$ mw: 206.30

PROP: Needles from MeOH. Mp: 50–51°, bp: 182–186° @ 6 mm.

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate MUREAV 116,91,83

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 32,349,83; Human No Adequate Data IMEMDT 32,349,83.

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

DTJ400 **CAS: 122-09-8** **HR: 3**
α,α-DIMETHYLPHENETHYLAMINE

mf: $C_{10}H_{15}N$ mw: 149.26

SYNS: α,α-DIMETHYLBENZEETHANAMINE □ 1,1-DIMETHYL-2-PHENYLETHANAMINE □ α,α-DIMETHYL-β-PHENYLETHYLAMINE □ DUROMINE □ LIPOPILL □ LONAMIN □ MG 18370 □ MG 18570 □ MIRAPRONT □ PHENTERMINE □ 2-PHENYL-tert-BUTYLAMINE □ RCRA WASTE NUMBER P046 □ WILPO

TOXICITY DATA with REFERENCE:

sln-asn 1 mg/L MUREAV 26,159,74

orl-man TDLo:1429 µg/kg:ANS THERAP 34,205,79

orl-mus LD50:105 mg/kg AIPTAK 178,62,69

ipr-mus LD50:71 mg/kg RCOCB8 14,677,76

ivn-mus LD50:14 mg/kg CSLNX* NX#03232

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTK200 **CAS: 14543-76-1** **HR: 3**
3,4-DIMETHYLPHENISOPROPYLAMINE SULFATE

mf: $C_{11}H_{17}N\cdot 1/2H_2O_4S$ mw: 212.33

TOXICITY DATA with REFERENCE:

orl-man TDLo:1500 µg/kg:CNS,GIT,SKN JPETAB 100,298,50

ipr-mus LD50:83 mg/kg JPETAB 100,298,50

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by ingestion of very small amounts: anorexia, nausea or vomiting, and sweating. When heated to decomposition it emits very toxic fumes of NO_x and SO_x .

DTK300 **CAS: 27691-62-9** **HR: 1**
N,N-DIMETHYL-3-PHENOTHIAZINE-SULFONAMIDE

mf: $C_{14}H_{14}N_2O_2S_2$ mw: 306.42

SYNS: 3-DIMETHYLSULPHAMIDOPHENOTHIAZINE □ 3-PHENOTHIAZINESULFONAMIDE, N,N-DIMETHYL- □ 10H-PHENOTHIAZINE-3-SULFONAMIDE, N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD FCTOD7 20,573,82

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

DTK400 **CAS: 123941-02-6** **HR: 2**
4-((2-((2,6-DIMETHYLPHENYL)AMINO)-2-OXOETHYL)AMINO)BUTANOIC ACID

mf: $C_{14}H_{20}N_2O_3$ mw: 264.36

SYNS: BUTANOIC ACID, 4-((2-((2,6-DIMETHYLPHENYL)AMINO)-2-OXOETHYL)AMINO)- □ NEFIRACETAM D-2

TOXICITY DATA with REFERENCE:

orl-mus LD50:>2 g/kg ARZNAD 44,211,94

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

DTK420 **CAS: 131147-93-8** **HR: 2**
4-((2-((2,6-DIMETHYLPHENYL)AMINO)-2-OXOETHYL)AMINO)-4-OXOBUTANOIC ACID

mf: C₁₄H₁₈N₂O₄ mw: 278.34**SYN:** BUTANOIC ACID, 4-((2-(2,6-DIMETHYLPHENYL)-AMINO)-2-OXOETHYL)AMINO)-4-OXO-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:>1 g/kg ARZNAD 44,211,94

SAFETY PROFILE: Moderately toxic by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**DTK600 CAS: 2747-31-1 HR: 3
N,N-DIMETHYL-p-PHENYL-AZOANILINE-N-OXIDE**mf: C₁₄H₁₅N₃O mw: 241.32**SYNS:** DAB-N-OXIDE □ 4-DIMETHYLAMINO-AZO-BENZENE AMINE-N-OXIDE □ N,N-DIMETHYLAMINO-AZO-BENZENE-N-OXIDE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:6300 mg/kg/30W-C:ETA GANNA2 54,455,63

orl-rat LD50:2200 mg/kg GANNA2 54,455,63

ipr-rat LD50:155 mg/kg GANNA2 54,455,63

orl-mus LD50:760 mg/kg GANNA2 54,455,63

ipr-mus LD50:175 mg/kg GANNA2 54,455,63

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DTK800 CAS: 2438-49-5 HR: 2
N,N-DIMETHYL-4-PHENYL-AZO-o-ANISIDINE**mf: C₁₅H₁₇N₃O mw: 255.35**SYN:** 3-METHOXY-4-DIMETHYLAMINO-AZO-BENZENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DTL000 CAS: 36576-23-5 HR: 2
2,3-DIMETHYL-4-(PHENYL-AZO)BENZENAMINE**mf: C₁₄H₁₅N₃ mw: 225.32**PROP:** Orange crystals from C₆H₆/ligroin. Mp: 98°.**SYN:** 2,3-DIMETHYL-4-PHENYL-AZOANILINE**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:6000 mg/kg/26W-C:NEO FCTXAV 11,415,73

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DTL200 CAS: 126-27-2 HR: 3
2-DI((N-METHYL-N-PHENYL-tert-BUTYL-CARBAMOYLMETHYL)AMINO)ETHANOL**mf: C₂₈H₄₁N₃O₃ mw: 467.72**PROP:** Crystals from C₆H₆/hexane. Mp: 104–104.5°.**SYNS:** BETALGIL □ N,N-BIS((N-METHYL-N-PHENYL-tert-BUTYLACETAMIDO)-β-HYDROXYETHYL)AMINE □ EMOREN □ FH 099 □ H4 099 □ 2,2'-((2-HYDROXYETHYL)IMINO BIS((N-(α,α-DIMETHYLPHENETHYL))-N-METHYL-ACETAMIDE □ 2,2'-((2-HYDROXYETHYL)IMINO)BIS(N-(1,1-DIMETHYL-2-PHENYLETHYL))-N-METHYLACETAMIDE □ MUCAINE □ MUCOXIN □ MUTHESA □ OXAIN □ OXETACAIN □ OXETHACAIN (ITALIAN) □ OXETHAZINE □ STOMACAIN □ TEPILTA □ TOPICAIN □ WY 806**TOXICITY DATA with REFERENCE:**

sln-asn 1 mg/L MUREAV 26,159,74

ipr-rat LD50:30 mg/kg GMITAB 134,642,75

ipr-mus LD50:27 mg/kg GMITAB 134,642,75

scu-mus LD50:58 mg/kg GMITAB 134,642,75

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DTL600 CAS: 99-98-9 HR: 3
N,N-DIMETHYL-p-PHENYLENEDIAMINE**mf: C₈H₁₂N₂ mw: 136.22**PROP:** Reddish-violet crystals or needles. Mp: 41°, bp: 262°. Sol in EtOH, Me₂CO, C₆H₆, Et₂O, (aq) HCl, and CHCl₃; insol in H₂O.**SYN:** DIMETHYL-p-PHENYLENEDIAMINE**TOXICITY DATA with REFERENCE:**

cyt-ham:lng 10 mg/L MUREAV 241,175,90

skn-hmn TDLo:14 µg/kg:SKN JIDHAN 4,386,23

orl-rat LDLo:50 mg/kg NCNSA6 5,11,53

scu-rat LDLo:50 mg/kg JIDHAN 4,386,23

ipr-mus LDLo:50 mg/kg RBPMAZ 22,1,52

skn-dog LDLo:84 mg/kg JIDHAN 4,386,23

ivn-dog LDLo:51 mg/kg JIDHAN 4,386,23

orl-cat LDLo:20 mg/kg JIDHAN 4,386,23

orl-rbt LDLo:150 mg/kg JIDHAN 4,386,23

ihl-rbt LCLo:500 ppb JIDHAN 4,386,23

skn-rbt LDLo:60 mg/kg JIDHAN 4,386,23

scu-rbt LDLo:60 mg/kg JIDHAN 4,386,23

ihl-gpg LCLo:240 ppb JIDHAN 4,386,23

scu-gpg LDLo:100 mg/kg JIDHAN 4,386,23

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** Poison by ingestion, inhalation, skin contact, subcutaneous, intraperitoneal and intravenous routes. Human systemic effects by skin contact: primary skin irritation, allergic dermatitis and hemorrhage. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AROMATIC AMINES.**DTL800 CAS: 105-10-2 HR: 3
N,N-DIMETHYL-p-PHENYLENEDIAMINE**mf: C₈H₁₂N₂ mw: 136.22**PROP:** Crystals from pet ether. Mp: 53°, bp: 149–150° @ 17 mm.**SYNS:** p-AMINODIMETHYLANILINE □ C.I. 76075 □ p-DIMETHYLAMINOPHENYLAMINE □ N,N-DIMETHYL-1,4-BENZENEDIAMINE □ DIMETHYL-p-PHENYLENEDIAMINE □ DMPD**TOXICITY DATA with REFERENCE:**

mma-sat 5 µg/plate AEMIDF 42,641,81

dns-rat:lvrl 100 µmol/L MUREAV 135,255,84

dns-ham:lvrl 100 µmol/L MUREAV 135,255,84

ipr-rat LD50:21 mg/kg JPETAB 95,262,49

ipr-mus LD50:25 mg/kg JPETAB 95,262,49

ipr-dog LDLo:10 mg/kg JPETAB 95,262,49

ipr-rbt LD50:100 mg/kg JPETAB 95,262,49

ipr-gpg LD50:45 mg/kg JPETAB 95,262,49

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

DTM000 CAS: 536-46-9 HR: 3
N,N-DIMETHYL-p-PHENYLENEDIAMINE
DIHYDROCHLORIDEmf: C₈H₁₂N₂•2ClH mw: 209.14**SYNS:** p-DIMETHYLAMINOANILINE DIHYDROCHLORIDE □
DIMETHYL-p-PHENYLENEDIAMINE HYDROCHLORIDE □
USAF EK-7423**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:25 mg/kg NTIS** AD404-218

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DTM200 CAS: 60160-75-0 HR: 3**
N,N-DIMETHYL-p-PHENYLENEDIAMINE
HEMISULFATE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:75 mg/kg NCNSA6 5,11,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DTM400 CAS: 2052-46-2 HR: 3**
N,N-DIMETHYL-p-PHENYLENEDIAMINE
MONOHYDROCHLORIDEmf: C₈H₁₂N₂•ClH mw: 172.68**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:100 mg/kg NCNSA6 5,11,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DTM600 CAS: 154-99-4 HR: 3**
o,p-DIMETHYL-β-PHENYLETHYLHYDRAZINE
DIHYDROGEN SULFATE**SYNS:** β-(2,4-DIMETHYLPHENYL)ETHYLHYDRAZINE
DIHYDROGEN SULPHATE □ LON 41**TOXICITY DATA with REFERENCE:**scu-mus TDLo:160 mg/kg (female 7-10D post):REP
JOENAK 49,635,71

orl-mus LD50:250 mg/kg JOENAK 30,205,64

scu-mus LD50:250 mg/kg JOENAK 30,205,64

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**DTM800 CAS: 10158-43-7 HR: 3**
DIMETHYLPHENYLETHYNYLTHALLIUMmf: C₁₀H₁₁Tl mw: 335.57(CH₃)₂TlC≡CPh**PROP:** IDLH 15 mg/m³ (as Tl).**CONSENSUS REPORTS:** Thallium and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** An explosive sensitive to heating, stirring or impact. See also THALLIUM COMPOUNDS and ACETYLENE COMPOUNDS.**DTM900 CAS: 131147-89-2 HR: 3**
N-(2,6-DIMETHYLPHENYL)-2-HYDROXY-5-OXO-
1-PYRROLIDINEACETAMIDEmf: C₁₄H₁₈N₂O₃ mw: 262.34**SYN:** 1-PYRROLIDINEACETAMIDE, N-(2,6-DIMETHYLPHENYL)-2-HYDROXY-5-OXO-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:>200 mg/kg ARZNAD 44,211,94

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**DTN000 HR: 2**
2,4-DIMETHYLPHENYLMALEIMIDEmf: C₁₂H₁₁NO₂ mw: 201.24**SYN:** 2,4-DIMETHYL-N-PHENYLMALEIMIDE**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:710 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x.**DTN100 CAS: 617-94-7 HR: 2**
DIMETHYLPHENYLMETHANOLmf: C₉H₁₂O mw: 136.21**PROP:** Prisms. Mp: 35–37°, bp: 202°.**SYNS:** α-CUMYL ALCOHOL □ α,α-DIMETHYLBENZENE-METHANOL □ α,α-DIMETHYLBENZYL ALCOHOL □
DIMETHYLPHENYLCARBINOL □ 1-HYDROXYCUMENE □
PHENYLDIMETHYLCARBINOL □ 2-PHENYLISOPROPANOL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV FCTOD7 20(Suppl), 675,82

orl-rat LD50:1300 mg/kg FCTOD7 20(Suppl), 675,82

orl-mus LD50:1400 mg/kg ESKGA2 24,115,78

skn-rbt LD50:4300 mg/kg FCTOD7 20(Suppl), 675,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Mildly toxic by skin contact. A severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DTN125 CAS: 123298-28-2 HR: 2**
N-(2,6-DIMETHYLPHENYL)-N-
METHOXYALANINE METHYL ESTERmf: C₁₃H₁₉NO₃ mw: 237.33**SYNS:** AGROMET □ dl-ALANINE, N-(2,6-DIMETHYLPHENYL)-N-METHOXY-, METHYL ESTER □ ALANINE, N-(2,6-DIMETHYLPHENYL)-N-METHOXY-, METHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:566 mg/kg KHZDAN 32(1),31,1989

ihl-rat LC :>600 mg/m³/6H KHZDAN 32(5),22,1989**SAFETY PROFILE:** Moderately toxic by ingestion and inhalation. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x.

DTN150 CAS: 302561-65-5 HR: 3
1-(2,4-DIMETHYLPHENYL)-3-(4-(2-METHOXY-PHENYL)-1-PIPERAZINYL)-1-PROPANONE

mf: $C_{22}H_{28}N_2O_2 \cdot ClH$ mw: 388.94

TOXICITY DATA with REFERENCE:

ipr-mus TDLo: 0.1 mg/kg FRMCE8 55,345,2000

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

DTN200 CAS: 2655-14-3 HR: 3
3,5-DIMETHYLPHENYL-N-METHYL-CARBAMATE

mf: $C_{10}H_{13}NO_2$ mw: 179.24

PROP: Crystals. Mp: 99°. Sol in most org solvs; very sltly sol in H_2O .

SYNS: DRC 3340 □ H-69 □ MACBAL □ MAQBARI □ 3,5-XMC □ 3,5-XYLENOL METHYLCARBAMATE □ 3,5-XYLENYL-N-METHYLCARBAMATE □ 3,5-XYLYL-N-METHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 542 mg/kg 85ARAE 1,44,77

orl-mus LD50: 280 mg/kg OYYAA2 3,74,69

orl-rbt LD50: 445 mg/kg SPEADM 78-1,56,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DTN400 CAS: 58139-33-6 HR: D
3,4-DIMETHYLPHENYL-N-METHYL-N-NITROSCARBAMATE

mf: $C_{10}H_{12}N_2O_3$ mw: 208.24

SYNS: METHYLNITROSCARBAMIC ACID-3,4-DIMETHYL-PHENYL ESTER □ NITROSO-MPMC

TOXICITY DATA with REFERENCE:

mno-esc 10 µg/plate BECTA6 14,389,75

dnr-esc 1500 pmol/plate/30M MUREAV 54,283,78

cyt-ham:fbr 15 mg/L/24H MUREAV 48,337,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES and N-NITROSO COMPOUNDS.

DTN500 CAS: 157928-98-8 HR: 2
N-(2,6-DIMETHYLPHENYL)-3-METHYL-2-OXO-1-PYRROLIDINEACETAMIDE

mf: $C_{15}H_{20}N_2O_2$ mw: 260.37

SYN: 1-PYRROLIDINEACETAMIDE, N-(2,6-DIMETHYLPHENYL)-3-METHYL-2-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD50: 1399 mg/kg ARZNAD 44,211,94

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

DTN520 CAS: 157928-99-9 HR: 2
N-(2,6-DIMETHYLPHENYL)-4-METHYL-2-OXO-1-PYRROLIDINEACETAMIDE

mf: $C_{15}H_{20}N_2O_2$ mw: 260.37

SYN: 1-PYRROLIDINEACETAMIDE, N-(2,6-DIMETHYLPHENYL)-4-METHYL-2-OXO-

TOXICITY DATA with REFERENCE:

orl-mus LD50: 1534 mg/kg ARZNAD 44,211,94

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

DTN775 CAS: 42013-48-9 HR: 3
5,5-DIMETHYL-2-PHENYLMORPHOLINE

mf: $C_{12}H_{17}NO$ mw: 191.30

SYNS: G 130 □ GP 130 □ 2-PHENYL-5-DIMETHYL-TETRAHYDRO-1,4-OXAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 480 mg/kg ARZNAD 23,810,73

orl-mus LD50: 380 mg/kg ARZNAD 23,810,73

ipr-mus LD50: 100 mg/kg ARZNAD 23,810,73

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

DTN800 CAS: 7635-51-0 HR: 3
3,4-DIMETHYL-2-PHENYLMORPHOLINE HYDROCHLORIDE

mf: $C_{12}H_{17}NO \cdot ClH$ mw: 227.76

PROP: A solid. Mp: 191°.

SYNS: PHENDIMETRAZINE HYDROCHLORIDE □ d-2-PHENYL-3,4-DIMETHYLMORPHOLINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 455 mg/kg 27ZQAG -,285,72

ipr-rat LD50: 245 mg/kg TXAPA9 2,589,60

scu-rat LD50: 435 mg/kg TXAPA9 2,589,60

orl-mus LD50: 340 mg/kg TXAPA9 2,589,60

ipr-mus LD50: 195 mg/kg TXAPA9 2,589,60

scu-mus LD50: 270 mg/kg 27ZQAG -,285,72

ivn-mus LD50: 92 mg/kg TXAPA9 2,589,60

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

DTN875 CAS: 72586-68-6 HR: 2
1,3-DIMETHYL-3-PHENYL-1-NITROSOUREA

mf: $C_9H_{11}N_3O_2$ mw: 193.23

SYN: N,N'-DIMETHYL-N-NITROSO-N'-PHENYLUREA

TOXICITY DATA with REFERENCE:

mno-sat 1 µmol/plate CRNGDP 4,409,83

sce-ham:lng 100 nmol/L MUREAV 126,259,84

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

DTN896 CAS: 672-66-2 HR: 3
DIMETHYLPHENYLPHOSPHINE

mf: $C_8H_{11}P$ mw: 150.09

$CH_3OCO \cdot OOCO \cdot OCH_3$

PROP: A liquid. Bp: 192°.

SAFETY PROFILE: Explodes when heated above 55°C or on impact. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DT0000 CAS: 54-77-3 HR: 3
1,1-DIMETHYL-4-PHENYLPIPERAZINE IODIDE

mf: $C_{12}H_{19}N_2 \cdot I$ mw: 318.23

SYNS: 1,1-DIMETHYL-4-PHENYLPIPERAZINIUM IODIDE □ DMPP □ DMPP IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:18,500 µg/kg AIPTAK 97,186,54

ivn-mus LD50:1600 µg/kg EJPHAZ 11,75,70

ims-mus LD50:28 mg/kg JPETAB 103,330,51

ivn-rbt LD50:1 mg/kg JPETAB 103,330,51

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

DT0100 CAS: 10125-85-6 HR: 3
1,1-DIMETHYL-4-PHENYLPIPERIDINIUM IODIDE

mf: $C_{13}H_{20}N \cdot I$ mw: 317.24

TOXICITY DATA with REFERENCE:

ipr-mus LD50:17 mg/kg AIPTAK 97,186,54

ivn-mus LD50:1333 µg/kg JPCAS 2,449,60

ims-mus LD50:28 mg/kg AIPTAK 97,186,54

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

DT0200 CAS: 3734-17-6 HR: 3
1,2-DIMETHYL-3-PHENYL-3-PYRROLIDYL PROPIONATE

mf: $C_{15}H_{21}NO_2$ mw: 247.37

PROP: Bp: 126–128° @ 1.1 mm.

SYNS: A-1981 □ COGESIC □ 1,2-DIMETHYL-3-PHENYL-3-PYRROLIDINOL PROPIONATE (ester) □ PRODILIDINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:253 mg/kg JPETAB 134,332,61

ipr-rat LDLo:133 mg/kg JPCAS 5,441,62

scu-rat LD50:188 mg/kg JPETAB 134,332,61

ivn-rat LD50:74 mg/kg JPETAB 134,332,61

orl-mus LD50:318 mg/kg JPETAB 134,332,61

scu-mus LD50:194 mg/kg JPETAB 134,332,61

ivn-mus LD50:91 mg/kg JPETAB 134,332,61

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

DT0300 CAS: 91481-04-8 HR: 3
1-(2,4-DIMETHYL-5-PHENYL-1H-PYRROL-3-YL)ETHANONE

mf: $C_{14}H_{15}NO$ mw: 213.30

SYNS: ETHANONE, 1-(2,4-DIMETHYL-5-PHENYL-1H-PYRROL-3-YL)- □ KETONE, (2,4-DIMETHYL-5-PHENYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DT0600 CAS: 1176-08-5 HR: 3
N,N-DIMETHYL-2-(α-PHENYL-α-TOLOXY)-ETHYLAMINE DIHYDROGEN CITRATE

mf: $C_{17}H_{21}NO \cdot C_6H_8O_7$ mw: 447.53

PROP: Crystals from MeOH or H_2O . Mp: 138–140°.

SYNS: PHENYLTOLOXAMINE DIHYDROGEN CITRATE □ PRN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1472 mg/kg TXAPA9 1,42,59

ipr-mus LD50:246 mg/kg JAPMA8 42,587,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DT0800 CAS: 6152-43-8 HR: 3
N,N-DIMETHYL-2-(α-PHENYL-α-TOLOXY)-ETHYLAMINE HYDROCHLORIDE

mf: $C_{17}H_{21}NO \cdot ClH$ mw: 291.85

SYNS: BRISTAMIN HYDROCHLORIDE □ PHENYLTOLOXAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:305 mg/kg ARZNAD 8,219,58

ipr-mus LD50:163 mg/kg JAPMA8 42,587,53

ivn-mus LD50:33 mg/kg JAPMA8 42,587,53

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

DTP000 CAS: 7227-91-0 HR: 3
3,3-DIMETHYL-1-PHENYLTRIAZENE

mf: $C_8H_{11}N_3$ mw: 149.22

$C_6H_5N=NN(CH_3)_2$

SYNS: 3,3-DIMETHYL-1-PHENYL-1-TRIAZENE □ DMPT □ 1-FENYL-3,3-DIMETHYLTRIAZIN □ NSC-3094 □ PDMT □ PDT □ 1-PHENYL-3,3-DIMETHYLTRIAZENE □ PHENYLDIMETHYL-TRIAZINE □ X 119

TOXICITY DATA with REFERENCE:

mno-sat 1 µg/plate JNCIAM 62,873,79

mrc-smc 900 ppm JNCIAM 62,901,79

cyt-hmn:leu 25 µmol/L MUREAV 77,123,73

otr-ham:emb 100 µg/L NCIMAV 58,243,81

cyt-ham:lng 10 mg/L MUREAV 88,197,81

scu-rat TDLo:125 mg/kg (female 15D post):TER IARCCD 4,45,73

orl-rat TDLo:310 mg/kg:CAR ZKKOBW 81,285,74

scu-rat TDLo:1250 mg/kg/59W-I:CAR ZKKOBW 81,285,74

orl-rat LD50:310 mg/kg ZKKOBW 81,285,74

ipr-rat LD50:180 mg/kg CPCHAO 18,307,62

orl-mus LD50:200 mg/kg NCISP* JAN86

ipr-mus LD50:190 mg/kg JMCMA8 19,1299,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Experimental teratogenic effects. Human mutation data reported. Decomposes explosively on attempted

distillation at atmospheric pressure. When heated to decomposition it emits toxic fumes of NO_x .

DTP400 CAS: 101-42-8 HR: 2
1,1-DIMETHYL-3-PHENYLUREA

mf: $\text{C}_9\text{H}_{12}\text{N}_2\text{O}$ mw: 164.23

PROP: White crystals. Mp: 131–133°. Insol in water; sltly sol in hydrocarbons.

SYNS: BEET-KLEEN □ DIBAR □ N,N-DIMETHYL-N'-PHENYLUREA □ DYBAR □ FENIDIN □ FENULON □ FENURON □ N-PHENYL-N',N'-DIMETHYLUREA □ 1-PHENYL-3,3-DIMETHYLUREA □ 3-PHENYL-1,1-DIMETHYLUREA □ PDU □ PUD (HERBICIDE)

TOXICITY DATA with REFERENCE:

dni-mus-ori 500 mg/kg MUREAV 58,353,78
 ori-rat LD50:6400 mg/kg FMCHA2 -,D137,80
 ori-mus LD50:4700 mg/kg GISAAA 47(3),82,82
 ori-rbt LD50:4700 mg/kg GISAAA 47(3),82,82
 ori-gpg LD50:3200 mg/kg GISAAA 40(10),22,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTP600 CAS: 13171-22-7 HR: 3
DIMETHYL PHOSPHATE ESTER with 2-CHLORO-N-ETHYL-3-HYDROXY-CROTONAMIDE

mf: $\text{C}_8\text{H}_{15}\text{ClNO}_5\text{P}$ mw: 271.66

SYNS: C-776 □ 2-CHLORO-3-(ETHYLAMINO)-1-METHYL-3-OXO-1-PROPENYL DIMETHYL ESTER PHOSPHORIC ACID □ 2-CHLORO-3-(ETHYLAMINO)-1-METHYL-3-OXO-1-PROPENYL DIMETHYL PHOSPHATE □ CIBA C-776 □ ENT 27,358 □ NSC-190956

TOXICITY DATA with REFERENCE:

ori-rat LD50:37 mg/kg ARSIM* 20,7,66
 ipr-mus LD50:7800 µg/kg TXAPA9 13,37,68
 scu-gpg LDLo:100 mg/kg JEENAI 62(4),934,69

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

DTP800 CAS: 34491-04-8 HR: 3
DIMETHYL PHOSPHATE ESTER with 2-CHLORO-N-METHYL-3-HYDROXY-CROTONAMIDE

mf: $\text{C}_7\text{H}_{13}\text{ClNO}_5\text{P}$ mw: 257.63

SYNS: CIBA C-768 □ ENT 27,357 □ NSC-190955

TOXICITY DATA with REFERENCE:

ori-rat LD50:33 mg/kg ARSIM* 20,7,66
 ori-gpg LDLo:100 mg/kg JEENAI 62(4),934,69
 scu-gpg LDLo:50 mg/kg JEENAI 62(4),934,69

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic Cl^- , NO_x , and PO_x . See also ESTERS.

DTQ089 CAS: 676-59-5 HR: 3
DIMETHYL PHOSPHINE

mf: $\text{C}_2\text{H}_7\text{P}$ mw: 64.05

PROP: Liquid with a disgusting odor. Bp: 25°.

SAFETY PROFILE: Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of PO_x and phosphine. See also PHOSPHINE.

DTQ400 CAS: 10265-92-6 HR: 3
O,S-DIMETHYL PHOSPHORAMIDOTHIOATE

mf: $\text{C}_2\text{H}_8\text{NO}_2\text{PS}$ mw: 141.14

PROP: Crystals. Mp: 40°. Sltly water-sol; sol in alc.

SYNS: ACEPHATE-MET □ BAY 71628 □ BAYER 71628 □ CHEVRON 9006 □ CHEVRON ORTHO 9006 □ O,S-DIMETHYL ESTER AMIDE of AMIDOTHIOATE □ ENT 27,396 □ HAMIDOP □ METAMIDOFOS ESTRELLA □ METHAMIDOPHOS □ MONITOR □ MTD □ NSC-190987 □ ORTHO 9006 □ PILLARON □ SRA 5172 □ TAHMABON □ TAMARON □ THIOPHOSPHORSAEURE-O,S-DIMETHYLESTERAMID (GERMAN)

TOXICITY DATA with REFERENCE:

ori-man TDLo:257 mg/kg:PNS,EYE,SKN NEJMAG 306,125,82

ori-wmn TDLo:360 mg/kg:PNS,EYE,SKN NEJMAG 306,125,82

ori-rat LD50:7500 µg/kg ARSIM* 20,7,66

ihl-rat LD50:9 mg/kg TXAPA9 45,232,78

skn-rat LD50:50 mg/kg 28ZEAL 5,149,76

ipr-rat LD50:15 mg/kg PCBPBS 13,267,80

ori-mus LD50:14 mg/kg PCBPBS 7,83,77

ihl-mus LD50:19 mg/kg TXAPA9 45,232,78

ori-rbt LD50:10 mg/kg 28ZEAL 5,149,76

skn-rbt LD50:118 mg/kg GUHAZ 6,333,73

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, subcutaneous, and intraperitoneal routes. Human systemic effects by ingestion: fasciculations, pupillary constriction, and sweating. A cholinesterase inhibitor type of insecticide. When heated to decomposition it emits very toxic fumes of NO_x , PO_x , and SO_x . See also PARATHION.

DTQ600 CAS: 2524-03-0 HR: 3
O,O-DIMETHYLPHOSPHOROCHLORIDOTHIOATE

mf: $\text{C}_2\text{H}_6\text{ClO}_2\text{PS}$ mw: 160.56

PROP: A liquid. D: 1.326, bp: 68° @ 12 mm.

SYNS: DIMETHYL CHLOROTHIOPHOSPHATE (DOT) □ DIMETHYLCHLORTHIOFOSAT (CZECH) □ O,O-DIMETHYLESTER KYSELINY CHLORTHIOFOSFORECNE (CZECH) □ DIMETHYL PHOSPHOROCHLORIDOTHIOATE (DOT) □ METHYL PCT □ PHOSPHOROCHLORIDOTHIOIC ACID-O,O-DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

ori-rat LDLo:1000 mg/kg 34ZIAG -,393,69

ihl-rat LC50:340 mg/m³/4H 85GMAT -,56,82

ori-mus LD50:1800 mg/kg 85GMAT -,56,82

ihl-mus LC50:320 mg/m³/2 85GMAT -,56,82

skn-rbt LDLo:750 mg/kg 34ZIAG -,393,69

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

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion and skin contact. Corrosive. When heated to decomposition it emits very toxic fumes of Cl^- , PO_x , and SO_x .

DTQ800 CAS: 3581-11-1 HR: 3
O,O-DIMETHYL PHOSPHOROTHIOATE-O-ESTER with 4-HYDROXY-m-ANISONITRILEmf: C₁₀H₁₂NO₄PS mw: 273.26**SYNS:** B 11163 □ O-(4-CYANO-2-METHOXYPHENYL)-O,O-DIMETHYL PHOSPHOROTHIOATE □ ENT 27,230 □ PHOSPHOROTHIOIC ACID-O,O-DIMETHYL-O-(4-CYANO-2-METHOXYPHENYL) ESTER □ PHOSPHOROTHIOIC ACID-O,O-DIMETHYL ESTER-O-ESTER with VANNILLONITRILE □ STAUFFER B-11163 □ TP540**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2710 mg/kg ARSIM* 20,21,66
 orl-mus LD50:4200 mg/kg TDKNAF 24,221,65
 scu-gpg LDLo:100 mg/kg JEENAI 61,1261,68

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, CN⁻, and SO_x. See also ESTERS and NITRILES.**DTR200 CAS: 131-11-3 HR: 2**
DIMETHYLPHTHALATEmf: C₁₀H₁₀O₄ mw: 194.20**PROP:** Colorless, odorless liquid. Mp: 0°, bp: 282.4°, flash p: 295°F (CC), d: 1.189 @ 25°/25°, autoign temp: 1032°F, vap d: 6.69, vap press: 1 mm @ 100.3°. IDLH 2000 mg/m³.**SYNS:** AVOLIN □ 1,2-BENZENEDICARBOXYLIC ACID DIMETHYL ESTER □ DIMETHYL-1,2-BENZENEDICARBOXYLATE □ DIMETHYL BENZENEORTHODICARBOXYLATE □ DMP □ ENT 262 □ FERMINE □ METHYL PHTHALATE □ MIPAX □ NTM □ PALATINOL M □ PHTHALIC ACID METHYL ESTER □ PHTHALSAEUREDIMETHYLESTER (GERMAN) □ RCRA WASTE NUMBER U102 □ SOLVANOM □ SOLVARONE**TOXICITY DATA with REFERENCE:**

eye-rbt 119 mg JPETAB 82,377,44
 mmo-sat 200 µg/plate JTEHD6 16,61,85
 cyt-rat-skn 25 g/kg/4W-I FATOAO 40,454,77
 orl-rat LD50:6800 mg/kg GTPZAB 24(3),25,80
 ipr-rat LD50:3375 mg/kg JPSAE 61,51,72
 orl-mus LD50:6800 mg/kg GTPZAB 24(3),25,80
 ipr-mus LD50:1380 mg/kg IPSTB3 3,93,76
 scu-mus LDLo:6500 mg/kg EDWU** -,37
 ihl-cat LCLo:9630 mg/m³/6H EDWU** -,37
 orl-rbt LD50:4400 mg/kg JPETAB 93,26,48
 orl-gpg LD50:2400 mg/kg JPETAB 93,26,48
 orl-ckn LD50:8500 mg/kg JPETAB 93,26,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Community Right-To-Know List.**OSHA PEL:** TWA 5 mg/m³**ACGIH TLV:** TWA 5 mg/m³**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by inhalation. Experimental teratogenic and reproductive effects. Mutation data reported. An eye irritant. A pesticide and insect repellent. 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 irritating fumes. See also ESTERS.**DTR400 CAS: 106-55-8 HR: 2**
2,5-DIMETHYLPIPERAZINEmf: C₆H₁₄N₂ mw: 114.22**TOXICITY DATA with REFERENCE:**

eye-rbt 750 µg SEV AMIHBC 4,119,51
 eye-rbt 250 µg/24H SEV 85JCAE -,865,86
 orl-rat LD50:3160 mg/kg AMIHBC 4,119,51
 skn-rbt LD50:800 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**DTR800 CAS: 77966-85-9 HR: 3**
2-(2,6-DIMETHYLPIPERIDINO)-2',6'-ACETOXYLIDIDE HYDROCHLORIDEmf: C₁₇H₂₆N₂O•ClH mw: 310.91**SYN:** V 374**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,407,58
 ipr-rat LD50:53 mg/kg ARZNAD 8,407,58
 scu-mus LD50:125 mg/kg ARZNAD 8,407,58

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DTR850 HR: 2**
DIMETHYLPOLYSILOXANEmf: [(CH₃)₂SiO—]**PROP:** Clear, colorless, viscous liquid. D: 0.96, refr index: 1.400. Sol in hydrocarbon solvents; insol in water.**SYNS:** DIMETHYL SILICONE □ POLYDIMETHYLSILOXANE**SAFETY PROFILE:** Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.**DTS400 CAS: 3282-30-2 HR: 3**
2,2-DIMETHYLPROPANOYL CHLORIDE**DOT:** UN 2438mf: C₅H₉ClO mw: 120.59**PROP:** Bp: 105–106°.**SYNS:** 2,2-DIMETHYLPROPIONYL CHLORIDE □ NEO-PANTANOYL CHLORIDE □ PIVALIC ACID CHLORIDE □ PIVALOLYL CHLORIDE □ PIVALOYL CHLORIDE □ PIVALYL CHLORIDE □ TRIMETHYL ACETYL CHLORIDE (DOT)**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive, Flammable Liquid, Poison**SAFETY PROFILE:** A corrosive irritant to skin, eyes, and mucous membranes. The liquid is flammable when exposed to heat, flame, or oxidizers. When heated to decomposition it emits toxic fumes of Cl⁻.**DTS450 CAS: 81862-18-2 HR: 2**
2,10-DIMETHYL-6-(2-PROPENYLOXY)-4,8-DIOXA-3,9-DITHIA-2,10-DIAZAUNDECANE-DIOIC ACID, DI-1-NAPHTHALENYL ESTER, 3,9-DIOXIDEmf: C₃₀H₃₀N₂O₉S₂ mw: 626.74

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #4315026

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

DTS500 CAS: 26062-79-3 HR: 2
N,N-DIMETHYL-N-2-PROPENYL-2-PROPEN-1-AMINIUM CHLORIDE HOMOPOLYMER (9CI)

mf: (C₈H₁₆N•Cl)_x

SYNS: AGEFLOC WT 20 □ AMMONIUM, DIALLYLDIMETHYL-, CHLORIDE, POLYMERS □ CALGON 261 □ CALGON 261LV □ CALGON POLYMER 261 □ CAT-FLOC □ CONDUCTIVE POLYMER 261 □ CP 261 □ CP 261LV □ E 261 □ LECTRAPEL □ 261LV □ MERCK 261 □ MERQUAT 100 □ PAS-H 10 □ PBK 1 □ PERCOL 1697 □ POLYMER 261 □ POLYMER 261LV □ POLYQUATERNIUM 6 □ QUATERNIUM 40 □ VPK 402

TOXICITY DATA with REFERENCE:

orl-rat LD50:3 g/kg GISAAA 53(3),66,88

orl-mus LD50:1720 mg/kg GISAAA 53(3),66,88

orl-gpg LD50:3250 mg/kg GISAAA 53(3),66,88

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⁻.

DTS600 CAS: 758-96-3 HR: 2
N,N-DIMETHYLPROPIONAMIDE

mf: C₅H₁₁NO mw: 101.17

PROP: Bp: 165–178°.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:875 mg/kg AIHAAP 32,539,71

ivn-mus LD50:820 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTS625 CAS: 95619-40-2 HR: 1
2,6-DIMETHYL-4-PROPOXY-BENZOIC ACID 2-METHYL-2-(1-PYRROLIDINYL)PROPYL-ESTER

mf: C₂₀H₃₁NO₃•ClH mw: 369.98

SYNS: BENZOIC ACID, 2,6-DIMETHYL-4-PROPOXY-, 2-METHYL-2-(1-PYRROLIDINYL)PROPYL ESTER, HYDRO-CHLORIDE □ U-2363

TOXICITY DATA with REFERENCE:

skn-rbt 5 pph MLD AIPTAK 137,410,62

eye-rbt 5000 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:55,700 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: Slightly toxic by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl.

DTS700 CAS: 22936-75-0 HR: 2
4-(1,2-DIMETHYL-N-PROPYLAMINO)-2-ETHYL-AMINO-6-METHYLTHIO-s-TRIAZINE

mf: C₁₁H₂₁N₅S mw: 255.43

SYNS: AVIROSAN □ C 18898 □ DIMETHAMETRYN □ DIMETHAMETRYNE □ s-TRIAZINE, 2-((1,2-DIMETHYL-PROPYL)AMINO)-4-ETHYLAMINO-6-METHYLTHIO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3 g/kg 85AREA 2,130,77

skn-rat LD50:3 g/kg FMCHA2 -,C31,91

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

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

DTT400 CAS: 24690-46-8 HR: 2
N,N-DIMETHYL-p-((p-PROPYLPHENYL)AZO)-ANILINE

mf: C₁₇H₂₁N₃ mw: 267.41

SYN: 4'-N-PROPYL-4-DIMETHYLAMINOAZOBENZENE

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

DTT600 CAS: 23950-58-5 HR: 2
N-(1,1-DIMETHYLPROPYNYL)-3,5-DICHLORO-BENZAMIDE

mf: C₁₂H₁₁Cl₂NO mw: 256.14

PROP: A solid. Mp: 155–156°.

SYNS: 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-BENZAMIDE □ KERB □ PROMAMIDE □ PRONAMIDE □ PROPYZAMIDE □ RCRA WASTE NUMBER U192 □ RH 315

TOXICITY DATA with REFERENCE:

orl-rat LD50:5620 mg/kg 85ARAE 2,217,77

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

DTT800 HR: 3
DIMETHYL-1-PROPYNYLTHALLIUM

mf: C₅H₉Tl mw: 273.50

(CH₃)₂TlC≡CCH₃

PROP: IDLH 15 mg/m³ (as Tl).

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

SAFETY PROFILE: Explodes on heating, stirring or impact. See also THALLIUM COMPOUNDS.

DTU200 CAS: 2825-00-5 HR: 3
3,5-DIMETHYL-4H-PYRAN-4-ONE-2-METHOXY-6-(TETRAHYDRO-4-(β-METHYL-p-NITROCINNAMYLDENE)-2-FURYL)

mf: C₂₂H₂₃NO₆ mw: 397.46

PROP: Yellow prisms. Mp: 158°.

SYNS: AUREOTHIN □ MYCOLUTEIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:3 mg/kg 85GDA2 5,390,81

ipr-mus LD50:1 mg/kg 85GDA2 5,388,81

scu-mus LD50:2 mg/kg 85GDA2 5,388,81

ivn-mus LD50:1260 µg/kg CSLNX* NX#02084

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

DTU400 CAS: 5910-89-4 HR: 3**2,3-DIMETHYLPYRAZINE**mf: C₆H₈N₂ mw: 108.16

PROP: Colorless liquid; nutty cocoa odor. D: 1.000–1.022 @ 20°, refr index: 1.506–1.509, flash p: 147°F (OC), d: 0.99, vap d: 3.72, bp: 156–158°. Misc with water, org solvs. Sol in water and org solvs.

SYNS: 2,3-DIMETHYL-1,4-DIAZINE □ FEMA No. 3271

TOXICITY DATA with REFERENCE:

orl-rat LD50:613 mg/kg DCTODJ 3,249,80

ipr-mus LD50:1390 mg/kg TXAPA9 17,244,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Flammable liquid when exposed to heat, sparks, or flame. When heated to decomposition it emits toxic fumes of NO_x.

DTU600 CAS: 123-32-0 HR: 3**2,5-DIMETHYLPYRAZINE**mf: C₆H₈N₂ mw: 108.16

PROP: Colorless liquid; potato taste. D: 0.980–1.000, refr index: 1.497–1.501, flash p: 147°F (OC), d: 0.99, vap d: 3.72, bp: 155°, mp: 15°. Misc with water, org solvs. Sol in H₂O, EtOH, and Et₂O.

SYNS: 2,5-DIMETHYL-1,4-DIAZINE □ FEMA No. 3272

TOXICITY DATA with REFERENCE:

mno-smc 3300 µg/L FCTXAV 18,581,80

cyt-ham:ovr 2500 µg/L FCTXAV 18,581,80

orl-rat LD50:1020 mg/kg DCTODJ 3,249,80

ipr-mus LD50:1350 mg/kg TXAPA9 17,244,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mutation data reported. Flammable liquid when exposed to heat, open flame, spark, oxidizers. To fight fire, use water spray, mist, dry chemical, CO₂, foam. When heated to decomposition it emits toxic fumes of NO_x.

DTU800 CAS: 108-50-9 HR: 2**2,6-DIMETHYLPYRAZINE**mf: C₆H₈N₂ mw: 108.16

PROP: Prisms or white to yellow crystals; nutty, coffee odor. Mp: 48°, d: 0.965 @ 50°, bp: 155.6°. Sol in H₂O, EtOH, and Et₂O.

SYN: FEMA No. 3273

TOXICITY DATA with REFERENCE:

mno-smc 3300 mg/L FCTXAV 18,581,80

cyt-ham:ovr 2500 mg/L FCTXAV 18,581,80

orl-rat LD50:880 mg/kg DCTODJ 3,249,80

ipr-mus LD50:1080 mg/kg TXAPA9 17,244,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTU825 CAS: 5788-49-8 HR: D**3,6-DIMETHYLPYRAZINE-2-THIOL**

SYNS: 3,6-DIMETHYL-2(1H)-PYRAZINETHIONE □

PYRAZINETHIOL, 3,6-DIMETHYL- □ 2(1H)-PYRAZINETHIONE, 3,6-DIMETHYL-

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

DTU850 CAS: 67-51-6 HR: 2**3,5-DIMETHYLPYRAZOLE**mf: C₅H₈N₂ mw: 96.15

SYNS: DMP □ 3,5-DWUMETYLOPIRAZOLU □ PYRAZOLE, 3,5-DIMETHYL- □ TH 564 □ U 6245

TOXICITY DATA with REFERENCE:

ipr-mus LD50:570 mg/kg DIPHAH 18,19,66

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.

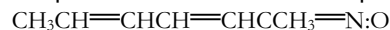
DTU852 CAS: 182620-63-9 HR: 3**2,6-DIMETHYL-3,5-PYRIDINE DICARBOXYLIC ACID, DIMETHYLESTER**mf: C₃₄H₄₀N₄O₅ mw: 584.72

SYNS: 1,4-DIHYDRO-4-(3-(((3-(SPIRO(INDENE-4,1'-PIPERIDIN-1-YL))PROPYL)AMINO)C-CARBONYL)AMINO)PHENYL)- □ H 394/84 □ 3,5-PYRIDINECARBOXYLIC ACID, 1,4-DIHYDRO-2,6-DIMETHYL-4-(3-(((3-(SPIRO-(1H-INDENE-1,4-PIPERIDIN)-1-YLPROPYL)AMINO)C-CARBONYL)AMINO)PHENYL)-, DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

ivn-pig TDLo:29.2 µg/kg/50M EJPHAZ 418,95,2001

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

DTV089 CAS: 1073-23-0 HR: 3**2,6-DIMETHYLPYRIDINE-N-OXIDE**mf: C₇H₉NO mw: 123.15

SAFETY PROFILE: Explosive reaction with phosphoryl chloride. When heated to decomposition it emits toxic fumes of NO_x.

DTV200 CAS: 21600-42-0 HR: 3**(3,3-DIMETHYL-1-(m-PYRIDYL-N-OXIDE))-TRIAZENE**mf: C₇H₁₀N₄O mw: 166.21

SYNS: 3-(3',3'-DIMETHYLTRIAZENO)-PYRIDIN-N-OXID (GERMAN) □ 3-(3',3'-DIMETHYLTRIAZENO)PYRIDINE-N-OXIDE □ PYNDT □ 1-(PYRIDYL-3-N-OXID)-3,3-DIMETHYLTRIAZEN (GERMAN) □ 1-(PYRIDYL-3-N-OXIDE)-3,3-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

sln-dmg-orl 700 µmol/L CBINA8 9,365,74

cyt-hmn:leu 25 µmol/L MUREAV 77,123,73

hma-mus/smc 400 µmol/L/Kg AGACBH 3,99,73

scu-rat LD50:200 mg/kg ZKKOBW 81,285,74

ivn-rat LD50:230 mg/kg ZKKOBW 81,285,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

DTV300 CAS: 625-84-3 HR: D
2,5-DIMETHYLPYRROLE

mf: $\text{C}_6\text{H}_9\text{N}$ mw: 95.15

PROP: Colorless to yellow oily liquid. D: 0.935–0.945 @ 20°/4°, refr index: 1.503–1.506, bp: 165° @ 760 mm.

Very sol in alc, and ether; very sltly sol in water.

SYN: FEMA No. 7071

SAFETY PROFILE: When heated to decomposition emits toxic fumes of NO_x .

DTV400 CAS: 333-40-4 HR: 3
S-(4,6-DIMETHYL-2-PYRIMIDINYL)-O,O-DIETHYL PHOSPHORODITHIOATE

mf: $\text{C}_{10}\text{H}_{17}\text{N}_2\text{O}_2\text{PS}_2$ mw: 292.38

SYNS: ENT 25,737 □ STAUFFER R-3413

TOXICITY DATA with REFERENCE:

orl-rat LD50:59 mg/kg ARSIM* 20,23,66

orl-ckn LD50:41 mg/kg TXAPA9 7,606,65

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

DTV330 CAS: 22041-39-0 HR: 3
N,N-DIMETHYL-3-(PYRROLIDIN-1-YL)PROPION-AMIDE

mf: $\text{C}_9\text{H}_{18}\text{N}_2\text{O}$ mw: 170.29

SYN: PROPIONAMIDE, N,N-DIMETHYL-3-(PYRROLIDIN-1-YL)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:35 mg/kg BJPCBM 34,345,1968

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

DTV360 CAS: 980-26-7 HR: 2
2,9-DIMETHYLQUINACRIDONE

mf: $\text{C}_{22}\text{H}_{16}\text{N}_2\text{O}_2$ mw: 340.40

SYNS: ACRAMIN SCARLET LDCN □ C.I. 73915 □ C.I. PIGMENT RED 122 □ FASTOGEN SUPER MAGNETA R □ FASTOGEN SUPER MAGNETA RE 03 □ FASTOGEN SUPER MAGNETA RG □ FASTOGEN SUPER MAGNETA RH □ FASTOGEN SUPER MAGNETA RS □ LIONOGEN MAGNETA R □ MONOLITE RUBINE 3B □ PALIOGEN RED 4790 □ PALIOGEN RED L 4790 □ PERMANENT PINK E □ PIGMENT RED 122 □ QUINACRID-ONE MAGNETA □ QUINO(2,3-B)ACRIDIN-7,14-DIONE, 5,12-DIHYDRO-2,9-DIMETHYL- □ QUINDO MAGNETA RV 6831 □ HOSTAPERM PINK E □ HOSTAPERM PINK EB □ HOSTPERM PINK E 02 □ KET RED 309 □ KF RED 1 □ PV FAST PINK E □ QUINDO MAGNETA RV 6803 □ SUNFAST MAGENTA

TOXICITY DATA with REFERENCE:

orl-rat LD50:>23 g/kg ATDAEI/15(Suppl 1),S22,1996

skn-rbt LD50:>3 g/kg ATDAEI/15(Suppl 1),S22,1996

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTY200 CAS: 17025-30-8 HR: 2
N,N-DIMETHYL-4-(4'-QUINOLYL-AZO)ANILINE

mf: $\text{C}_{17}\text{H}_{16}\text{N}_4$ mw: 276.37

SYN: 4-(p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE

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

DTY400 CAS: 63042-68-2 HR: 2
N,N-DIMETHYL-4-((4'-QUINOLYL-1'-OXIDE)-AZO)ANILINE

mf: $\text{C}_{17}\text{H}_{16}\text{N}_4\text{O}$ mw: 292.37

SYN: 4-(p-(DIMETHYLAMINO)PHENYL)AZO)QUINOLINE-1-OXIDE

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

DTY600 CAS: 70324-23-1 HR: 3
3,3-DIMETHYL-1(3-QUINOLYL)TRIAZENE

mf: $\text{C}_{11}\text{H}_{12}\text{N}_4$ mw: 144.22

$(\text{CH}_3)_2\text{NN}=\text{NC}_9\text{H}_6\text{N}$

SAFETY PROFILE: Crude material decomposes violently when dried. The pure material explodes at 131°C. When heated to decomposition it emits toxic fumes of NO_x .

DTY650 CAS: 132298-15-8 HR: D
2,6-DIMETHYLQUINONEIMINE

mf: $\text{C}_8\text{H}_9\text{NO}$ mw: 135.18

SYNS: 2,5-CYCLOHEXADIEN-1-ONE, 3,5-DIMETHYL-4-IMINO- □ 3,5-DIMETHYL-4-IMINO-2,5-CYCLOHEXADIEN-1-ONE

TOXICITY DATA with REFERENCE:

sce-hmn-lym 100 nmol/L MUREAV 395,159,1997

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

DTY700 CAS: 2379-55-7 HR: 3
2,3-DIMETHYLQUINOXALINE

mf: $\text{C}_{10}\text{H}_{10}\text{N}_2$ mw: 158.22

SYN: QUINOXALINE, 2,3-DIMETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#00809

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DTY800 CAS: 5432-74-6 HR: D
2,3-DIMETHYLQUINOXALINE DIOXIDE

mf: $\text{C}_{10}\text{H}_8\text{N}_2\text{O}_2$ mw: 190.22

SYN: QUINOXALINE, 2,3-DIMETHYL-, 1,4-DIOXIDE

TOXICITY DATA with REFERENCE:

mic-bac-sat 190 µg/plate CPBTAL 27,1954,79

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

DUA200 CAS: 23521-13-3 HR: 2
N,N-DIMETHYL-p-(5-QUINOXALYLAZO)ANILINE
 mf: C₁₆H₁₅N₅ mw: 277.36

SYN: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE

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

DUA400 CAS: 23521-14-4 HR: 2
N,N-DIMETHYL-p-(6-QUINOXALYLAZO)ANILINE
 mf: C₁₆H₁₅N₅ mw: 277.36

SYNS: 6-((p-(DIMETHYLAMINO)PHENYL)AZO)QUINOXALINE □ N,N-DIMETHYL-p-(6-QUINOXALINYLAZO)ANILINE

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

DUA600 CAS: 101652-10-2 HR: 2
7,8-DIMETHYL-10-(d-RIBO-2,3,4,5-TETRA-HYDROXPENTYL)-4a,5-DIHYDROISO-ALLOXAZINE

mf: C₁₇H₂₂N₄O₆ mw: 378.43

TOXICITY DATA with REFERENCE:

ipr-rat LD50:965 mg/kg CMTRAG 2,96,61

ipr-mus LD50:800 mg/kg CMTRAG 2,96,61

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

DUA800 CAS: 1778-08-1 HR: 2
N,N-DIMETHYLSALICYLAMIDE
 mf: C₉H₁₁NO₂ mw: 165.21

SYNS: SALICYLDIMETHYLAMIDE □ SAM

TOXICITY DATA with REFERENCE:

orl-rat LD50:2300 mg/kg JPETAB 108,450,53

ipr-rat LD50:2000 mg/kg JPETAB 108,450,53

ipr-mus LD50:1100 mg/kg YKKZAJ 86,120,66

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

DUB000 CAS: 6918-51-0 HR: 3
DIMETHYL SELENATE
 mf: C₂H₆O₄Se mw: 173.03

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: Explodes when heated to 150°C. When heated to decomposition it emits toxic fumes of Se. See also SELENIUM COMPOUNDS.

DUB200 CAS: 593-79-3 HR: 2
DIMETHYL SELENIDE
 mf: C₂H₆Se mw: 109.04

PROP: A liquid. Bp: 58°, d: 1.43 @ 25°, vap d: 3.75, mp: -87.2°.

SYNS: DIMETHYLSELENIUM □ METHYL SELENIDE □ METHYL SELENIUM

TOXICITY DATA with REFERENCE:

ipr-rat LD50:2200 mg/kg PSEBAA 79,230,52

scu-rat LDLo:2180 mg/kg ARTODN 45,207,80

ipr-mus LD50:1800 mg/kg PSEBAA 79,230,52

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: Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits toxic fumes of Se. See also SELENIUM COMPOUNDS.

DUB600 CAS: 63148-62-9 HR: 2
DIMETHYL SILOXANE

PROP: Viscosity 100 at 25° (ISMJAV 22,15,63).

SYN: DOW-CORNING 200 FLUID-LOT No. AA-4163

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data.

DUB689 HR: 3
(DIMETHYL SILYLMETHYL)TRIMETHYL LEAD
 mf: C₆H₁₈PbSi mw: 325.49

(CH₃)₂SiHCH₂Pb(CH₃)₃

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

SAFETY PROFILE: Lead compounds are generally poisons. Decomposes violently when heated above 100°C in the presence of oxygen. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

DUB800 CAS: 1145-73-9 HR: 3
N,N-DIMETHYL-4-STILBENAMINE
 mf: C₁₆H₁₇N mw: 223.34

SYNS: 4-DIMETHYLAMINOSTILBEN (GERMAN) □ N,N-DIMETHYL-4-AMINOSTILBENE □ N,N-DIMETHYL-p-STYRYLANILINE □ STILBENYL-N,N-DIMETHYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate JJIND8 71,293,83

mmo-bcs 5 g/L MUREAV 42,19,77

dnr-bcs 5 g/L MUREAV 42,19,77

orl-rat LDLo:50 mg/kg CNREA8 26,619,66

ipr-rat LD50:70 mg/kg ZEKBAI 65,272,63

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DUC000 CAS: 838-95-9 HR: 3
(E)-N,N-DIMETHYL-4-STILBENAMINE
 mf: C₁₆H₁₇N mw: 223.34

SYNS: trans-p-(DIMETHYLAMINO)STILBENE □ trans-4-DIMETHYLAMINOSTILBENE □ 4-DIMETHYLAMINO-trans-STILBENE □ (E)-N,N-DIMETHYL-4-(2-PHENYLETHENYL)-BENZENAMINE □ trans-N,N-DIMETHYL-4-STILBENAMINE

TOXICITY DATA with REFERENCE:

dns-rat-ori 40 mg/kg ENMUDM 7,101,85
 ori-rat LD50:50 mg/kg ARTODN 56,151,85

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison 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.

DUC200 CAS: 14301-11-2 HR: 2
(Z)-N,N-DIMETHYL-4-STILBENAMINE

mf: C₁₆H₁₇N mw: 223.34

SYNS: cis-4-DIMETHYLAMINOSTILBENE □ cis-N,N-DIMETHYL-4-STILBENAMINE

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

DUC300 CAS: 552-80-7 HR: D
DIMETHYLSTILBESTROL

mf: C₁₆H₁₆O₂ mw: 240.32

SYNS: (E)-4,4'-(1,2-DIMETHYL-1,2-ETHENEDIYL)BIS-PHENOL (9CI) □ DIMETHYLSILBOESTROL □ (E)-α,α'-DIMETHYL-4,4'-STILBENEDIOL □ DMS

TOXICITY DATA with REFERENCE:

otr-ham:emb 10 mg/L CNREA8 42,3040,82

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

DUC400 CAS: 7456-24-8 HR: 3
DIMETHYLSULFAMIDO-3-(DIMETHYLAMINO-2-PROPYL)-10-PHENOTHIAZINE

mf: C₁₉H₂₅N₃O₂S₂ mw: 391.59

SYNS: DIMETHOTHIAZINE □ 10-(2-(DIMETHYLAMINO)-PROPYL)-N,N-DIMETHYLPHENOTHIAZINE-2-SULFONAMIDE □ 3-DIMETHYLSULFONAMIDO-10-(2-DIMETHYLAMINO-PROPYL)PHENOTHIAZINE

TOXICITY DATA with REFERENCE:

ori-mus LD50:740 mg/kg AIPTAK 159,70,66

ipr-mus LD50:190 mg/kg AIPTAK 159,70,66

scu-mus LD50:475 mg/kg AIPTAK 159,70,66

ivn-mus LD50:100 mg/kg AIPTAK 159,70,66

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

DUC600 CAS: 15020-57-2 HR: 2
p-(N,N-DIMETHYLSULFAMOYL)PHENOL

mf: C₈H₁₁NO₃S mw: 201.26

SYN: N,N-DIMETHYL-HYDROXYBENZENESULFONAMIDE

TOXICITY DATA with REFERENCE:

ori-mus LD50:2290 mg/kg JAFCAU 15,845,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUD000 CAS: 121-58-4 HR: 2
N,N-DIMETHYLSULFANILIC ACID

mf: C₈H₁₁NO₃S mw: 201.26

PROP: Crystals from H₂O. Mp: 270–271°.

TOXICITY DATA with REFERENCE:

par-mus LDLo:4000 mg/kg CBCCT* 7,695,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUD100 CAS: 77-78-1 HR: 3
DIMETHYL SULFATE

DOT: UN 1595

mf: C₂H₆O₄S mw: 126.14

PROP: Colorless, odorless liquid. Mp: –31.8°, fp: –27°, bp: 188° (decomp), flash p: 182°F (OC), d: 1.332 @ 15°, vap d: 4.35, autoign temp: 370°F. Slightly sol in H₂O, hexane, EtOH, C₆H₆; sol in Et₂O and Me₂CO. IDLH 7 ppm.

SYNS: DIMETHYLESTER KYSELINY SIROVE (CZECH) □ DIMETHYL MONOSULFATE □ DIMETHYLSULFAAT (DUTCH) □ DIMETHYLSULFAT (CZECH) □ DIMETILSOLFATO (ITALIAN) □ DMS □ DMS(METHYL SULFATE) □ DWUMETYLOWY SIARCZAN (POLISH) □ METHYLE (SULFATE de) (FRENCH) □ METHYL SULFATE (DOT) □ RCRA WASTE NUMBER U103 □ SULFATE de METHYLE (FRENCH) □ SULFATE DIMETHYLIQUE (FRENCH) □ SULFURIC ACID, DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

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

eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82

eye-rbt 50 µg/24H SEV 28ZPAK -,177,72

mma-sat 4300 nmol/L/1H PNASA6 75,4465,78

dnd-hmn:lym 1 mmol/L JACTDZ 1(3),125,82

ivn-rat TDLo:20 mg/kg (15D preg):CAR,REP IARCCD 4,45,73

ihl-hmn LCLo:97 ppm/10M 34ZIAG -,226,69

ori-rat LD50:205 mg/kg GTPZAB 23(3),28,79

ihl-rat LC50:45 mg/m³/4H GTPZAB 24(11),55,80

scu-rat LD50:100 mg/kg ZEKBAI 74,241,70

ori-mus LD50:140 mg/kg GTPZAB 23(3),28,79

ihl-mus LC50:280 mg/m³ GTPZAB 23(3),28,79

ori-rbt LDLo:45 mg/kg AEXPBL 47,113,02

scu-rbt LDLo:53 mg/kg AEXPBL 47,113,02

ivn-rbt LDLo:50 mg/kg AEXPBL 47,113,02

ihl-gpg LC50:32 ppm/1H 85JCAE -,1079,86

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,200,87; Animal Sufficient Evidence IMEMDT 4,271,74; Human Inadequate Evidence IMEMDT 4,271,74. EPA Genetic Toxicology Program. Community Right-To-Know List. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 ppm (skin)

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

DFG MAK: DFG TRK: Production: 0.02 ppm; Use: 0.04 ppm; Animal Carcinogen, Suspected Human Carcinogen

DOT CLASSIFICATION: 3; Label: Poison, Corrosive

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic

data. Human poison by inhalation. Experimental poison by ingestion, inhalation, intravenous, and subcutaneous routes. Other experimental reproductive effects. Human mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. There is no odor or initial irritation to give warning of exposure. On brief, mild exposures, conjunctivitis, catarrhal inflammation of the mucous membranes of the nose, throat, larynx, and trachea, and possibly some reddening of the skin develop after the latent period. With longer, heavier exposures, the cornea shows clouding, the irritation changes to the nasopharynx are more marked, and after 6 to 8 hours pulmonary edema may develop. Death may occur in 3 or 4 days. The liver and kidneys are frequently damaged. Spilling of the liquid on the skin can cause ulceration and local necrosis. In patients surviving severe exposure, there may be serious injury of the liver and kidneys, with suppression of urine, jaundice, albuminuria, and hematuria appearing. Death, resulting from the kidney or liver damage, may be delayed for several weeks. Flammable when exposed to heat, flame, or oxidizers. Can react with oxidizing materials. Violent reaction with NH_4OH and NaN_3 . To fight fire, use water, foam, CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of SO_x . See also SULFATES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dimethyl Sulfate, 2524.

DUD400 CAS: 1003-78-7 HR: 3
2,4-DIMETHYL SULFOLANE

mf: $\text{C}_6\text{H}_{12}\text{O}_2\text{S}$ mw: 148.24

PROP: A liquid. Mp: -3° , bp: 280° , flash p: 280°F (OC), d: 1.14 @ $20^\circ/4^\circ$, vap press: 0.006 mm @ 20° .

SYNS: DMS □ TETRAHYDRO-2,4-DIMETHYLTHIOPHENE-1,1-DIOXIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:100 mg/kg SCCUR* -,4,61
 orl-mus LD50:140 mg/kg SCCUR* -,4,61
 ipr-mus LD50:72 mg/kg AIHAAP 32,539,71
 ivn-mus LD50:61 mg/kg AIHAAP 32,539,71
 orl-rbt LD50:115 mg/kg SCCUR* -,4,61
 skn-rbt LDLo:3600 mg/kg SCCUR* -,4,61
 ivn-rbt LD50:36 mg/kg AIHAAP 32,539,71

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by skin contact. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use water, foam, CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of SO_x . See also SULFATES.

DUD800 CAS: 67-68-5 HR: 2
DIMETHYL SULFOXIDE

mf: $\text{C}_2\text{H}_6\text{OS}$ mw: 78.14

PROP: Clear, water-white, hygroscopic liquid; garlic-onion-oyster odor. Mp: 18.5° , bp: 189° , flash p: 203°F (OC), d: 1.100 @ 20° , vap press: 0.37 mm @ 20° , lel: 3.0%, uel: 43%, autoign temp: 574°F (301°C). Misc in H_2O and org solvs.

SYNS: A 10846 □ DELTAN □ DEMASORB □ DEMALET □ DEMESO □ DEMSODROX □ DERMASORB □ DIMETHYL SULPHOXIDE □ DIMEXIDE □ DIPIRARTRIL-TROPICO □

DMS-70 □ DMS-90 □ DMSO □ DOLICUR □ DOLIGUR □ DOMOSO □ DROMISOL □ DURASORB □ GAMASOL 90 □ HYADUR □ INFILTRINA □ M 176 □ METHYLSULFINYL-METHANE □ METHYL SULFOXIDE □ NSC-763 □ RIMSO-50 □ SOMIPRONT □ SQ 9453 □ SULFINYLBIS(METHANE) □ SYNTEXAN □ TOPSYM

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 skn-rbt 500 mg/24H MLD 28ZPAK -,177,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,177,72
 mmo-esc 551 g/L MUREAV 130,97,84
 oms-hmn:lym 140 mmol/L PNASA6 79,117,82
 ivn-man TDLo:606 mg/kg:GIT,LIV LANCAO 2,1004,80
 orl-rat LD50:14,500 mg/kg TXAPA9 15,74,69
 ipr-rat LD50:8200 mg/kg FCTOD7 22,665,84
 scu-rat LD50:12 g/kg ARZNAD 14,1050,64
 ivn-rat LD50:5360 mg/kg TXAPA9 7,104,65
 orl-mus LD50:7920 mg/kg CHTPBA 3,10,68
 ipr-mus LD50:2500 mg/kg RPTOAN 35,300,72
 ivn-mus LD50:3800 mg/kg 34ZIAG -,656,69
 ivn-dog LD50:2500 mg/kg CNCRA6 31,7,63

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

SAFETY PROFILE: Slightly toxic by ingestion. Moderately toxic by intravenous and intraperitoneal routes. Human systemic effects by intravenous route: nausea or vomiting and jaundice. Experimental teratogenic and reproductive effects. A skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. Can cause an anaphylactic reaction. Corneal opacity reported only in rabbits, dogs, and pigs. It freely penetrates the skin and may carry dissolved chemicals with it into the body. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use water, foam, alcohol foam, CO_2 , dry chemical. Violent or explosive reaction with many acyl, aryl, and nonmetal halides (e.g., acetyl chloride, benzenesulfonyl chloride, bromobenzoyl acetanilide, cyanuric chloride, iodine pentafluoride, $\text{Mg}(\text{ClO}_4)_2$, CH_3Br , NIO_4 , oxalyl chloride, P_2O_3 , phosphorus trichloride, phosphoryl chloride, silver fluoride, silver difluoride, sodium hydride, sulfur dichloride, disulfur dichloride, sulfuryl chloride, tetrachlorosilane, thionyl chloride). Violent or explosive reaction with boron compounds (e.g., borane, nonahydranonaborate(2-) ion), 4(4'-bromobenzoyl)acetanilide, carbonyl diisothiocyanate, dinitrogen tetroxide, hexachlorocyclotriphosphazine, copper + trichloroacetic acid, metal alkoxides (e.g., potassium tert-butoxide, sodium isopropoxide), trifluoroacetic acid anhydride. Incompatible with magnesium perchlorate, metal oxosalts, perchloric acid, periodic acid, sulfur trioxide. Forms powerfully explosive mixtures with metal salts of oxoacids (e.g., aluminum perchlorate, sodium perchlorate, iron(III) nitrate). When heated to decomposition it emits toxic fumes of SO_x .

DUD900 CAS: 22504-72-9 HR: 2
1,3-DIMETHYLSULFURYLDIAMIDE

mf: $\text{C}_2\text{H}_8\text{N}_2\text{O}_2\text{S}$ mw: 124.18

SYNS: N,N'-DIMETHYLSULFAMID □ N,N'-DIMETHYLSULFAMIDE □ SULFAMIDE, N,N'-DIMETHYL-

TOXICITY DATA with REFERENCE:

unr-rat LD50:>2 g/kg ARZNAD 19,1073,69

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

DUE000 CAS: 120-61-6 HR: 2
DIMETHYL TEREPHTHALATE

mf: C₁₀H₁₀O₄ mw: 194.20

PROP: Crystals from Et₂O. Mp: 141–142°, bp: 284°.

SYNS: 1,4-BENZENE DICARBOXYLIC ACID DIMETHYL ESTER (9CI) □ DIMETHYL-1,4-BENZENE DICARBOXYLATE □ METHYL-4-CARBOMETHOXY BENZOATE □ NCI-C50055 □ TEREPHTHALIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MOD 28ZPAK -,47,72

mnt-mus-ipr 200 μmol/kg MUREAV 204,703,88

orl-rat LD50:4390 mg/kg 28ZPAK -,47,72

ipr-rat LD50:3900 mg/kg AIHAAP 34,455,73

CONSENSUS REPORTS: NTP Carcinogenesis Bioassay (feed) Equivocal Evidence: mouse NCITR* NCI-TR-121,79; (feed) No Evidence rat NCITR* NCI-TR-121,79. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. An eye irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

DUE600 CAS: 3862-21-3 HR: 3
DIMETHYL-1,2,2,2-TETRACHLOROETHYL PHOSPHATE

mf: C₄H₇Cl₄O₄P mw: 291.88

TOXICITY DATA with REFERENCE:

orl-rat LD50:14 mg/kg JAFCAU 8,196,60

ipr-mus LD50:5 mg/kg PAREAQ 11,636,59

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

DUE700 CAS: 5339-43-5 HR: 2
1,3-DIMETHYL-2-TETRADECYL-2-THIO-PSEUDOURA HYDRIDIODE

mf: C₁₇H₃₆N₂S•HI mw: 428.52

SYN: PSEUDOURA, 1,3-DIMETHYL-2-TETRADECYL-2-THIO-, HYDRIDIODE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 8,748,1956

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

DUE750 CAS: 73176-66-6 HR: 3
2,2-DIMETHYL-3-(2,3,3,3-TETRAFLUORO-1-PROPENYL)CYCLOPROPANECARBOXYLIC ACID, (3-PHENOXYPHENYL)METHYL ESTER, (1-α,3-β(E))-(+)-

mf: C₂₂H₂₀F₄O₃ mw: 408.42

TOXICITY DATA with REFERENCE:

orl-rat LD :>200 mg/kg USXXAM #4328237

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

DUF000 CAS: 25486-91-3 HR: 2
7,12-DIMETHYL-8,9,10,11-TETRAHYDRO-BENZ(a)ANTHRACENE

mf: C₂₀H₂₀ mw: 260.40

SYN: 8,9,10,11-TETRAHYDRO-7,12-DIMETHYLBENZ(a)ANTHRACENE

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

DUF200 CAS: 52171-94-5 HR: 2
1,11-DIMETHYL-1,2,3,4-TETRAHYDRO-CHRYSENE

mf: C₂₀H₂₀ mw: 260.40

TOXICITY DATA with REFERENCE:

mma-sat 20 μg/plate CNREA8 36,4525,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DUF400 CAS: 4336-19-0 HR: 2
DIMETHYL TETRAHYDROPHthalate

mf: C₁₀H₁₄O₄ mw: 198.24

PROP: Crystals. Vap d: 6.83.

SYN: 1-CYCLOHEXENE-1,2-DICARBOXYLIC ACID DIMETHYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg AJOPAA 29,1363,46

orl-rat LD50:700 mg/kg JIHTAB 31,60,49

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DUF800 HR: 3
3,6-DIMETHYL-1,2,4,5-TETRAOXANE

mf: C₄H₈O₄ mw: 120.11



SAFETY PROFILE: An extremely shock-sensitive explosive. May explode if touched. When heated to decomposition it emits acrid smoke and fumes.

DUG000 HR: 3
DIMETHYLTHALLIUM FULMINATE

mf: C₃H₆NOTl mw: 276.46



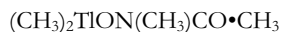
PROP: IDLH 15 mg/m³ (as Tl).

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

SAFETY PROFILE: Highly explosive. See also THALLIUM COMPOUNDS and FULMINATES.

DUG089 HR: 3
DIMETHYLTHALLIUM-N-METHYLACETO-HYDROXAMATE

mf: C₅H₁₂NO₂Tl mw: 276.46



PROP: IDLH 15 mg/m³ (as TI).

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

SAFETY PROFILE: Highly explosive. It may explode below 160°C. See also THALLIUM COMPOUNDS and FULMINATES.

DUG200 CAS: 541-58-2 HR: 3
2,4-DIMETHYLTHIAZOLE

mf: C₅H₇NS mw: 113.19

PROP: Bp: 70–73° @ 50 mm, d: 1.506 @ 15°/4°. Sol in cold H₂O; less sol in hot H₂O; sol in EtOH and Et₂O.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUG400 CAS: 298-93-1 HR: D
3-(4,5-DIMETHYLTHIAZOLYL-2)-2,5-DIPHENYL-TETRAZOLIUM BROMIDE

mf: C₁₈H₁₆N₅S mw: 334.45

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate MUREAV 68,107,79

mmo-esc 5 µg/plate MUREAV 68,107,79

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also BROMIDES.

DUG425 CAS: 2530-10-1 HR: 3
DIMETHYLTHIENYLKETONE

mf: C₈H₁₀OS mw: 154.24

SYNS: ETHANONE, 1-(2,5-DIMETHYL-3-THIENYL)- □ KETONE, 2,5-DIMETHYL-3-THIENYL METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:260 mg/kg APFRAD 5,16,47

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 SO_x.

DUG450 CAS: 631-67-4 HR: 2
N,N-DIMETHYLTHIOACETAMIDE

mf: C₄H₉NS mw: 103.20

SYNS: ACETAMIDE, N,N-DIMETHYLTHIO- □ N,N-DIMETHYLETHANETHIOAMIDE □ DIMETHYLTHIO-ACETAMID □ DIMETHYLTHIOACETAMIDE □ ETHANETHIOAMIDE, N,N-DIMETHYL-(9CI)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg AEPPAE 233,376,58

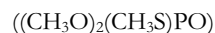
CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUG500 CAS: 152-20-5 HR: 3
DIMETHYLTHIOMETHYLPHOSPHATE

mf: C₃H₉O₃PS mw: 156.15

PROP: A liquid. D: 1.25 @ 20°/4°, bp: 98–101° @ 11 mm.



SYNS: HC7901 □ METHYLPHOSPHOROTHIOATE □ O,O,S-TRIMETHYL PHOSPHOROTHIOATE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:40 mg/kg (female 20D post):REP
 ARTODN 61,378,88

orl-rat TDLo:40 mg/kg (female 8-10D post):TER
 TOLED5 32,185,86

orl-rat LD50:15 mg/kg JAFCAU 27,463,79

ipr-rat LD50:51 mg/kg ARTODN 51,221,82

ivn-rat LD50:45 mg/kg DTESD7 8,631,80

orl-mus LD50:38 mg/kg PCBPBS 24,251,85

ipr-mus LD50:5 mg/kg ACPMAP 16,7,63

ivn-mus LD50:123 mg/kg DTESD7 8,631,80

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of PO_x and SO_x.

DUG550 CAS: 66637-35-2 HR: 3
3,4-DIMETHYL-2,5-THIOMORPHOLINEDIONE, 2-(α-((METHYL((TRICHLOROMETHYL)THIO)-AMINO)CARBONYL)OXIME)

mf: C₉H₁₂Cl₃N₃O₃S₂ mw: 380.71

TOXICITY DATA with REFERENCE:

orl-rat LD50:3540 µg/kg USXXAM #4071627

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

DUG600 CAS: 50847-92-2 HR: 3
2,2-DIMETHYL-3-THIOMORPHOLINONE

mf: C₆H₁₁NOS mw: 145.24

SYN: 2,2-DIMETHYL-3-THIOMORPHOLONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:3423 mg/kg JMCMA 6,136,63

ipr-mus LD50:400 mg/kg NTIS** AD691-490

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

DUG700 CAS: 531-53-3 HR: 3
DIMETHYLTHIONINE

mf: C₁₄H₁₄N₃S•Cl mw: 291.82

SYNS: 3-AMINO-7-(DIMETHYLAMINO)PHENOTHIAZIN-5-IUM CHLORIDE □ AZURE A □ C.I. 52005 □ asym-DIMETHYL-3,7-DIAMINOPHENAZATHIONIUM CHLORIDE □ PHENOTHIAZIN-5-IUM, 3-AMINO-7-(DIMETHYLAMINO)-, CHLORIDE

TOXICITY DATA with REFERENCE:

cyt-ham:ovr 20 µmol/L/5H-C ENMUDM 1,27,79

ivn-rat LD50:37,720 µg/kg SMBUA9 9,96,51

ivn-mus LD50:59,040 µg/kg SMBUA9 9,96,51

ivn-rbt LD50:19,340 µg/kg SMBUA9 9,96,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.

DUG800 CAS: 2767-47-7 HR: 3**DIMETHYLTIN DIBROMIDE**mf: C₂H₆Br₂Sn mw: 308.59**PROP:** Colorless or white crystals. Mp: 76°, bp: 208–213°. Sol in water and org solvs.**SYN:** DIBROMODIMETHYL STANNANE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56,200 µg/kg CSLNX* NX#02289

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.When heated to decomposition it emits toxic fumes of Br⁻. See also TIN COMPOUNDS and BROMIDES.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DUG825 CAS: 753-73-1 HR: 3****DIMETHYLTIN DICHLORIDE**mf: C₂H₆Cl₂Sn mw: 219.67**SYNS:** DICHLORID DIMETHYLCINICITY □ DICHLORO-DIMETHYLSTANNANE □ DICHLORODIMETHYLTIN □ DIMETHYLDICHLOROSTANNANE □ DIMETHYLDI-CHLOROTIN □ STANNANE, DICHLORODIMETHYL- □ TIN, DIMETHYL-, DICHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 10 µg/tube MUREAV 300,265,93

dnd-bcs 100 µg/disk MUREAV 280,195,92

orl-rat LD50:73,900 µg/kg TRIPA7 -,1,73

ivn-rat LDLo:40 mg/kg BJIMAG 15,15,58

ivn-mus LD50:56 mg/kg CSLNX* NX#02187

orl-rbt LDLo:50 mg/kg SAIGBL 15,3,73

OSHA PEL: TWA 0.1 mg(Sn)/m³**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg/m³

(skin)

NIOSH REL: (organotin compounds): TWA 0.1mg(Sn)/m³**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic vapors of Sn and Cl⁻.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DUG889 CAS: 40237-34-1 HR: 3****DIMETHYLTIN DINITRATE**mf: C₂H₆N₆O₆Sn mw: 272.79**PROP:** Colorless crystals.**SAFETY PROFILE:** Explodes when heated. When heated to decomposition it emits toxic fumes of NO_x. See also TIN COMPOUNDS and NITRATES.**DUH000 CAS: 599-69-9 HR: 2****N,N-DIMETHYL-p-TOLUENESULFONAMIDE**mf: C₉H₁₃NO₂S mw: 199.29**TOXICITY DATA with REFERENCE:**

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DUH200 CAS: 609-72-3 HR: 3****N,N-DIMETHYL-o-TOLUIDINE**mf: C₉H₁₃N mw: 135.23**PROP:** A liquid. Bp: 184.8°.**SYNS:** DIMETHYL-o-TOLUIDINE □ o-

METHYLDIMETHYLANILINE □ N,N,2-TRIMETHYLANILINE

TOXICITY DATA with REFERENCE:

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

ipr-mus LD50:338 mg/kg AISFAR 1,284,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Amines, Aromatic 2002.**DUH400 CAS: 3010-57-9 HR: 2****N,N-DIMETHYL-4-((p-TOLYL)AZO)ANILINE**mf: C₁₅H₁₇N₃ mw: 239.35**SYNS:** N,N-DIMETHYL-4-((4-METHYLPHENYL)AZO)BENZEN-AMINE □ p'-METHYL-p-DIMETHYLAMINOAZOBENZENE □ 4'-METHYL-4-DIMETHYLAMINOAZOBENZENE**TOXICITY DATA with REFERENCE:**

mma-sat 500 nmol/plate MUREAV 121,95,83

dns-rat:lvrl 10 µmol/L CNREA8 46,1654,86

orl-rat TDLo:7776 mg/kg/35W-C:ETA CNREA8 5,227,45

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and teratogenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DUH600 CAS: 55-80-1 HR: 2****N,N-DIMETHYL-p-((m-TOLYL)AZO)ANILINE**mf: C₁₅H₁₇N₃ mw: 239.35**SYNS:** 4-(N,N-DIMETHYLAMINO)-3'-METHYLAZOBENZENE □ N,N-DIMETHYL-p-(3'-METHYLPHENYL)AZO)ANILINE □ N,N-DIMETHYL-4-((3-METHYLPHENYL)AZO)BENZENAMINE □ MDAB □ 3'-MDAB □ 3'-METHYLBUTTERGELB (GERMAN) □ 3'-METHYL-DAB □ 3'-METHYL-4-DIMETHYLAMINOAZO-BENZEN (CZECH) □ M'-METHYL-p-DIMETHYLAMINOAZO-BENZENE □ 3'-METHYL-4-DIMETHYLAMINOAZOBENZENE □ 3'-METHYL-N,N-DIMETHYL-4-AMINOAZOBENZENE □ 3'-METHYL-DIMETHYLAMINOAZOBENZOL (GERMAN)**TOXICITY DATA with REFERENCE:**

otr-rat:lvrl 240 µmol/L AMOKAG 39,231,85

dns-rat:lvrl 1 µmol/L CNREA8 46,1654,86

orl-rat TDLo:1800 mg/kg/7W-C:CAR JJIND8 71,855,83

scu-mus TDLo:7179 mg/kg (15-19D preg):NEO,TER CALEDQ 17,321,83

orl-rat TD:2419 mg/kg/12W-C:CAR CBINA8 53,107,85

orl-rat LDLo:1500 mg/kg 28ZPAK -,236,72

orl-mus LD50:17,700 mg/kg JKXXAF #80-157517

ipr-mus LD50:1530 mg/kg JJIND8 62,911,79

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

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DUH800 CAS: 3731-39-3 HR: 2
N,N-DIMETHYL-p-((o-TOLYL)AZO)ANILINE

mf: C₁₅H₁₇N₃ mw: 239.35

SYNS: N,N-DIMETHYL-p-(2'-METHYLPHENYL)AZO)ANILINE
 □ N,N-DIMETHYL-4-((2-METHYLPHENYL)AZO)BENZEN-AMINE □ o'-METHYL-p-DIMETHYLAMINOAZOBENZENE □ 2'-METHYL-4-DIMETHYLAMINOAZOBENZENE □ 2-METHYL-N,N-DIMETHYL-4-AMINOAZOBENZENE

TOXICITY DATA with REFERENCE:

mma-sat 100 nmol/plate CALEDQ 1,91,75

dns-rat:lvf 10 μmol/L CNREA8 46,1654,86

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

DUI000 CAS: 1933-50-2 HR: 3
4'-(3,3-DIMETHYL-1-TRIAZENO)ACETANILIDE

mf: C₁₀H₁₄N₄O mw: 206.28

SYNS: AC 24055 □ 1-(p-ACETAMIDOPHENYL)-3,3-DIMETHYL-TRIAZENE □ 1-(4-ACETAMINOPHENYL)-3,3-DIMETHYL-TRIAZENE □ AMERICAN CYANAMID CL-24055 □ AMERICAN CYANIMID 24,055 □ ANTIFEEDANT 24005 □ ANTIFEEDING COMPOUND 24,055 □ CL 24055 □ CYANAMID 24055 □ 1,1-DIMETHYL-3-(p-ACETAMIDOPHENYL)TRIAZENE □ 4'-DIMETHYLTRIAZENOACETANILIDE □ N-(4-(3,3-DIMETHYL-1-TRIAZENYL)PHENYL)ACETAMIDE □ ENT 25,651

TOXICITY DATA with REFERENCE:

mma-sat 1 μmol/L JMCMAR 22,473,79

sln-dmg-orl 1 μmol/L CBINA8 9,365,74

mrc-smc 10 mmol/L CBINA8 9,365,74

hma-mus/smc 1 mmol/L CBINA8 9,365,74

orl-rat LD50:510 mg/kg TXAPA9 21,315,72

skn-rbt LD50:1400 mg/kg 28ZEAL 4,195,69

orl-bwd LD50:56 mg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DUI200 CAS: 80266-48-4 HR: 3
4'-(3-(3,3-DIMETHYL-1-TRIAZENO)-9-ACRIDIN-YLAMINO)METHANESULFONANILIDE

mf: C₂₂H₂₂N₆O₂S mw: 434.56

TOXICITY DATA with REFERENCE:

mmo-sat 32 μmol/L JMCMAR 23,269,80

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

DUI400 CAS: 64038-56-8 HR: D
5-(3,3-DIMETHYL-1-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE CITRATE

mf: C₆H₁₀N₆O•C₆H₈O₇ mw: 374.36

SYN: DTIC CITRATE

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DUI600 CAS: 7227-93-2 HR: D
p-(3,3-DIMETHYLTRIAZENO)PHENOL

mf: C₈H₁₁N₃O mw: 165.22

SYNS: 4-(3,3-DIMETHYL-1-TRIAZENYL)PHENOL □ 1-(4-HYDROXYPHENYL)-3,3-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

sln-dmg-orl 600 μmol/L CBINA8 9,365,74

mrc-smc 2500 μmol/L CBINA8 9,365,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DUI709 CAS: 3585-32-8 HR: 3
1,3-DIMETHYL-1-TRIAZINE

mf: C₂H₇N₃ mw: 73.10

PROP: Liquid. Bp: 92°.

SYN: N,N'-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

mmo-esc 25 μmol/L CRNGDP 12,1161,91

SAFETY PROFILE: Mutation data reported. Explodes violently on contact with flame. Upon decomposition it emits toxic fumes of NO_x.

DUI800 CAS: 50355-75-4 HR: D
3,3-DIMETHYL-1-(2,4,6-TRIBROMO-PHENYL)-TRIAZENE

mf: C₈H₈Br₃N₃ mw: 385.92

SYN: 1-(2,4,6-TRIBROMOPHENYL)-3,3-DIMETHYLTRIAZENE

TOXICITY DATA with REFERENCE:

mma-sat 5 mmol/L MUREAV 36,176

hma-mus/smc 10 mmol/L CBINA8 9,365,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DUI900 CAS: 74940-61-7 HR: 3
o,o-DIMETHYL (2,2,2-TRICHLORO-1-(CHLORO-ACETOXY)ETHYL)PHOSPHONATE

mf: C₆H₉Cl₄O₅P mw: 333.92

SYNS: ACETIC ACID, CHLORO-, ESTER WITH DIMETHYL-(2,2,2-TRICHLORO-1-HYDROXYETHYL)PHOSPHON-ATE □ ACETIC ACID, CHLORO-, 2,2,2-TRICHLORO-1-(DIMETHOXY-PHOSPHINYL)ETHYL ESTER □ HAF 50 EK □ CHLORACETO-FON □ CHLORACETOPHON □ CHLOR-ACETOPHON □ CHLOROACETIC ACID 2,2,2-TRICHLORO-1-(DIMETHOXY-PHOSPHINYL)ETHYL ESTER

TOXICITY DATA with REFERENCE:

mic-sat 2 mg/plate MUREAV 240,203,1990
 mnt-unr-ham 60 mg/kg MUREAV 240,203,1990
 uns-unr-ham 42 mg/kg MUREAV 240,203,1990
 orl-rat LD50:344 mg/kg GNKAA5 22,2540,1986
 unr-rat LD50:421 mg/kg MUREAV 240,203,1990

SAFETY PROFILE: A poison by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of PO_x and Cl^- .

DUJ000 CAS: 25724-50-9 HR: 3
3,5-DIMETHYL-1-(TRICHLOROMETHYL-MERCAPTO)PYRAZOLE

mf: $\text{C}_6\text{H}_7\text{Cl}_3\text{N}_2\text{S}$ mw: 245.56

TOXICITY DATA with REFERENCE:

orl-rat LD50:570 mg/kg AIHAAP 30,470,69
 skn-rbt LD50:200 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Poison by skin contact. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , SO_x . See also MERCAPTANS.

DUJ400 CAS: 24602-86-6 HR: 2
2,6-DIMETHYL-4-TRIDECYLMORPHOLINE

mf: $\text{C}_{19}\text{H}_{39}\text{NO}$ mw: 297.59

PROP: Oil. Bp: 134° @ 0.5 mm. Misc in H_2O and org solvs.

SYNS: BAS 2205-F \square E-236 \square N-TRIDECYL-2,6-DIMETHYLMORPHOLIN (GERMAN) \square N-TRIDECYL-2,6-DIMETHYLMORPHOLINE \square 4-TRIDECYL-2,6-DIMETHYLMORPHOLINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg GUCHAZ 6,522,73
 orl-mus LD50:1560 mg/kg VPITAR 39(6),55,81
 orl-cat LD50:540 mg/kg VPITAR 39(6),55,81
 orl-rbt LD50:750 mg/kg 28ZEAL 5,229,76
 orl-gpg LD50:1 g/kg VPITAR 39(6),55,81

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

DUJ800 CAS: 61471-62-3 HR: 3
 α,N -DIMETHYL-*m*-TRIFLUOROMETHYL-PHENETHYLAMINE

mf: $\text{C}_{11}\text{H}_{14}\text{F}_3\text{N}$ mw: 217.26

SYN: α,N -DIMETHYL-3-TRIFLUOROMETHYLPHENETHYLAMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:250 mg/kg ARZNAD 27,116,77
 ipr-mus LD50:130 mg/kg ISYAM* -,21,70

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

DUK000 CAS: 53780-34-0 HR: 2
2',4'-DIMETHYL-5-((TRIFLUOROMETHYL)-SULFONAMIDO)ACETANILIDE

mf: $\text{C}_{11}\text{H}_{13}\text{F}_3\text{N}_2\text{O}_3\text{S}$ mw: 310.32

PROP: Crystals. Mp: $183\text{--}185^\circ$. Sol in Me_2CO and MeOH ; sltly sol in H_2O and C_6H_6 .

SYNS: N-(2,4-DIMETHYL-5-((TRIFLUOROMETHYL)SULFONYL)AMINO)PHENYL)ACETAMIDE \square EMBARK \square EMBARK PLANT GROWTH REGULATOR \square MBR 12325 \square MEFLUIDIDE \square VEL 3973 \square VISTAR \square VISTAR HERBICIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4 g/kg 85ARAE 3,66,76/77
 orl-mus LD50: >1920 mg/kg PEMNDP 9,545,91

SAFETY PROFILE: Moderately toxic by ingestion. An herbicide and plant growth regulator. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and SO_x .

DUK200 CAS: 343-75-9 HR: 2
N,N-DIMETHYL-p-(2,4,6-TRIFLUOROPHENYL-AZO)ANILINE

mf: $\text{C}_{14}\text{H}_{12}\text{F}_3\text{N}_3$ mw: 279.29

SYN: 2',4',6'-TRIFLUORO-4-DIMETHYLAMINOAZOBENZENE

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

DUK800 CAS: 2164-17-2 HR: 2
1,1-DIMETHYL-3-(α,α,α -TRIFLUORO-*m*-TOLYL)UREA

mf: $\text{C}_{10}\text{H}_{11}\text{F}_3\text{N}_2\text{O}$ mw: 232.23

PROP: Crystals. Mp: $163\text{--}164.5^\circ$. Sol in most org solvs; very sltly sol in H_2O .

SYNS: C 2059 \square CIBA 2059 \square COTORAN \square COTORAN MULTI 50WP \square COTTONEX \square N,N-DIMETHYL-N'-(3-TRIFLUOROMETHYLPHENYL)UREA \square 1,1-DIMETHYL-3-(3-TRIFLUOROMETHYLPHENYL)UREA \square FLUOMETURON \square HERBICIDE C-2059 \square LANEX \square NCI-C08695 \square PAKHTARAN \square 3-(5-TRIFLUOROMETHYLPHENYL)-1-DIMETHYLHARNSTOFF (GERMAN) \square N-(*m*-TRIFLUOROMETHYLPHENYL)-N',N'-DIMETHYLUREA \square N-(3-TRIFLUOROMETHYLPHENYL)-N'-N'-DIMETHYLUREA \square 3-(*m*-TRIFLUOROMETHYLPHENYL)-1,1-DIMETHYLUREA

TOXICITY DATA with REFERENCE:

mma-sat 1 μg /plate MUREAV 58,353,78
 otr-rat:emb 56 μg /plate JJATDK 1,190,81
 dni-mus-orl 1 g/kg MUREAV 58,353,78
 orl-rat LD50:6416 mg/kg PESTD5 17,351,76
 ipr-rat LD50:685 mg/kg PESTD5 17,351,76
 orl-mus LD50:900 mg/kg CIGET* -,77
 ipr-mus LD50:552 mg/kg PESTD5 17,351,76
 orl-rbt LD50:2500 mg/kg 85GMAT -,116,82
 orl-gpg LD50:810 mg/kg 85GMAT -,116,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program. IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 30,245,83. NCI Carcinogenesis Bioassay (feed); No Evidence: rat NCITR* NCI-CG-TR-195,80; Equivocal Evidence: mouse NCITR* NCI-CG-TR-195,80. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of F^- and NO_x .

DUK200 CAS: 2223-82-7 HR: 3

2,2-DIMETHYLTRIMETHYLENE ACRYLATEmf: C₁₁H₁₆O₄ mw: 212.27

SYNS: DIMETHYLOLPROPANE DIACRYLATE □ 2,2-DIMETHYL-1,3-PROPANEDIOL DIACRYLATE □ 2,2-DIMETHYLTRIMETHYLENE ESTER ACRYLIC ACID □ NEOPENTYL GLYCOL DIACRYLATE □ 2-PROPENOIC ACID-2,2-DIMETHYL-1,3-PROPANEDIYL ESTER □ SR 247

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open SEV UCDS** 11/30/71

orl-rat LD50:5190 µL/kg UCDS** 10/5/77

skn-rbt LD50:283 µL/kg UCDS** 10/5/77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact. Mildly toxic by ingestion. A severe skin irritant. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DUL400 CAS: 34522-40-2 HR: 2
N,N-DIMETHYL-4-(3,4,5-TRIMETHYLPHENYL)-AZOANILINE

mf: C₁₇H₂₁N₃ mw: 267.41

SYNS: N,N-DIMETHYL-4-((3,4,5-TRIMETHYLPHENYL)AZO)-BENZENAMINE □ N,N-3',4',5'-PENTAMETHYLAMINOAZO-BENZENE

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

DUL500 CAS: 13271-93-7 HR: 3
1,2-DIMETHYL-2-TRIMETHYLSILYLHYDRAZINE

mf: C₅H₁₆N₂Si mw: 132.28CH₃NHN(CH₃)Si(CH₃)₃

SAFETY PROFILE: Explosive or violent reaction on contact with: 50/50 mixture of nitric + sulfuric acids; fuming nitric acid; fluorine; ozone + oxygen. When heated to decomposition it emits toxic fumes of NO_x.

DUL550 CAS: 26464-99-3 HR: 3
DIMETHYLTRIMETHYLSILYLPHOSPHINE

mf: C₅H₁₅PSi mw: 134.23**PROP:** A liquid. Bp: 130°.

SAFETY PROFILE: Ignites spontaneously in air. Reaction with water forms the spontaneously flammable dimethylphosphine. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHINE.

DUL589 HR: 3
1,4-DIMETHYL-2,3,7-TRIOXABICYCLO[2.2.1]-HEPT-5-ENE

mf: C₆H₈O₃ mw: 128.13

SYN: 2,5-DIMETHYL-2,5-DIHYDROFURAN-2,5-ENDO PEROXIDE

SAFETY PROFILE: A very unstable explosive. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DUL800 CAS: 5152-30-7 HR: 3
o,o'-DIMETHYLTUBOCURARINE

mf: C₄₀H₄₈N₂O₆ mw: 652.90

SYNS: DIMETHYL TUBOCURARINE □ o,o-DIMETHYLTUBOCURARINE □ N,N',o,o-TETRAMETHYL-(+)-TUBOCURINE

TOXICITY DATA with REFERENCE:

ivn-dog LD50:120 µg/kg RISSAF 13,339,50

ivn-rbt LD50:35 µg/kg RISSAF 13,339,50

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

DUM000 CAS: 7601-55-0 HR: 3
DIMETHYL TUBOCURARINE IODIDE

mf: C₄₀H₄₈N₂O₆•2I mw: 906.70**PROP:** A solid. Mp: 266°.

SYNS: (+)-o,o'-DIMETHYLCHONDROCURARINE DIIODIDE □ DIMETHYLETHER of d-TUBOCURARINE IODIDE □ 6,6',7',12'-TETRAMETHOXY-2,2',2'-TETRAMETHYLTUBOCURANILUM DIIODIDE □ TUBOCURARINE DIMETHYL ETHER IODIDE □ d-TUBOCURARINE IODIDE DIMETHYL ETHER

TOXICITY DATA with REFERENCE:

ivn-rat LD50:35 µg/kg JLCMAK 34,516,49

ivn-mus LD50:238 µg/kg JLCMAK 34,516,49

ivn-rbt LD50:32 µg/kg JLCMAK 34,516,49

ivn-gpg LD50:50 mg/kg JLCMAK 34,516,49

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

DUM100 CAS: 13265-01-5 HR: 3
α,3-DIMETHYLTYROSINE METHYL ESTER HYDROCHLORIDE

mf: C₁₂H₁₇NO₃•ClH mw: 259.76**SYN:** H 59/64**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1400 mg/kg PSDTAP 10,206,69

orl-mus LD50:700 mg/kg PSDTAP 10,206,69

ivn-mus LD50:140 mg/kg PSDTAP 10,206,69

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

DUM150 CAS: 598-94-7 HR: 1
1,1-DIMETHYLUREA

mf: C₃H₈N₂O mw: 88.13**SYN:** UREA, 1,1-DIMETHYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:6610 mg/kg JPETAB 54,188,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUM200 CAS: 96-31-1 HR: 2
1,3-DIMETHYLUREA

mf: C₃H₈N₂O mw: 88.13

PROP: Colorless rhombic crystals. D: 1.14, mp: 106°, bp: 270°. Sol in water and alc.

SYNS: N,N'-DIMETHYLHARNSTOFF (GERMAN) □ N,N'-DIMETHYLUREA □ sym-DIMETHYLUREA □ SYMMETRIC DIMETHYLUREA

TOXICITY DATA with REFERENCE:

mmo-clr 400 mmol/L FOMIAZ 20,452,75

dni-hmn:lym 40 mmol/L PNASA6 79,1171,82

ipr-mus LDLo:4962 mg/kg JPETAB 54,188,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

DUM400 HR: 2

DIMETHYLUREA and SODIUM NITRITE

SYNS: DIMETHYLHARNSTOFF and NATRIUMNITRIT (GERMAN) □ SODIUM NITRITE and DIMETHYLUREA

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x and Na_2O . See also SODIUM NITRITE.

DUM600 CAS: 63019-76-1 HR: 2

p-N,N-DIMETHYLUREIDOAZOBENZENE

mf: $\text{C}_{15}\text{H}_{16}\text{N}_4\text{O}$ mw: 268.35

TOXICITY DATA with REFERENCE:

scu-rat TDLo:2600 mg/kg/83D-I:NEO BJPCAL 9,306,54

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

DUM800 CAS: 4849-32-5 HR: 3

m-(3,3-DIMETHYLUREIDO)PHENYL-tert-BUTYL CARBAMATE

mf: $\text{C}_{14}\text{H}_{21}\text{N}_3\text{O}_3$ mw: 279.38

SYNS: tert-BUTYLCARBAMIC ACID ESTER with 3-(m-HYDROXYPHENYL)-1,1-DIMETHYLUREA □ 3-(((DIMETHYL-AMINO)CARBONYL)AMINO)PHENYL-1,1-DIMETHYLETHYL)-CARBAMATE □ 1,1-DIMETHYL-3-((3-N-tert-BUTYLCARBAM-YLOXY)-PHENYL)UREA □ m-(3,3-DIMETHYLHARNSTOFF)-PHENYL-tert-BUTYLCARBAMAT (GERMAN) □ FMC 11092 □ KARBUTILATE □ NIA 11092 □ TANDEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:3000 mg/kg GUHAZ 6,310,72

ivn-mus LD50:320 mg/kg CSLNX* NX#03896

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. An herbicide. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES.

DUN200 CAS: 6225-06-5 HR: 3

N,N-DIMETHYLVALERAMIDE

mf: $\text{C}_7\text{H}_{13}\text{NO}$ mw: 129.23

SYN: N,N-DIMETHYLPENTANAMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg AIHAAP 32,539,71

ivn-mus LD50:230 mg/kg AIHAAP 32,539,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUN300 CAS: 33499-84-2 HR: D

6,8-o-DIMETHYLVERSICOLORIN A

mf: $\text{C}_{20}\text{H}_{14}\text{O}_7$ mw: 366.34

TOXICITY DATA with REFERENCE:

mno-sat 500 nmol/plate MUREAV 143,121,85

dns-rat:lv 500 nmol/L MUREAV 143,121,85

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

DUN310 HR: D

6,8-o-DIMETHYLVERSICOLORIN B

mf: $\text{C}_{20}\text{H}_{14}\text{O}_7$ mw: 366.34

TOXICITY DATA with REFERENCE:

mno-sat 500 nmol/plate MUREAV 143,121,85

mma-sat 500 nmol/plate MUREAV 143,121,85

dns-rat:lv 5 $\mu\text{mol/L}$ MUREAV 143,121,85

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

DUN400 CAS: 63141-79-7 HR: 3

α -(2,2-DIMETHYLVINYL)- α -ETHYNYL-p-CRESOL

mf: $\text{C}_{13}\text{H}_{13}\text{O}$ mw: 185.26

PROP: IDLH 1400 ppm [10%LEL].

SYN: DIMETHYLVINYLETHINYL-p-HYDROXYPHENYL-METHANE

TOXICITY DATA with REFERENCE:

ihl-mus LC50:220 mg/ m^3 GISAAA 41(1),95,76

SAFETY PROFILE: Poison by inhalation.

Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

DUN600 CAS: 1468-37-7 HR: 3

DIMETHYLXANTHOGEN DISULFIDE

mf: $\text{C}_4\text{H}_6\text{O}_2\text{S}_4$ mw: 214.34

PROP: Crystals from C_6H_6 . Mp: 23°.

SYNS: BIS(METHYLXANTHOGEN) DISULFIDE □ DI(METHOXYTHIOCARBONYL) DISULFIDE □ o,o-DIMETHYLDITHIOBIS(THIOFORMATE) □ DIMETHYL DIXANTHOGEN □ DIMETHYL XANTHIC DISULFIDE □ DIMEXAN □ DIMEXANO □ DI(THIONOCARBOMETHOXY) DISULFIDE □ THIOPEROXYDICARBONIC ACID DIMETHYL ESTER □ TRIDEX □ TRI-PE

TOXICITY DATA with REFERENCE:

orl-rat LD50:240 mg/kg WRPCA2 9,119,70

SAFETY PROFILE: Poison by ingestion. A pesticide. When heated to decomposition it emits toxic fumes of SO_x .

DUN800 CAS: 18997-62-1 HR: 2

N,N-DIMETHYL-p-(2,3,XYLYLAZO)ANILINE

mf: $\text{C}_{16}\text{H}_{19}\text{N}_3$ mw: 253.38

SYNS: 2',3'-DIMETHYL-4-DIMETHYLAMINOAZOBENZENE □ N,N-DIMETHYL-p-(2',3'-DIMETHYLPHENYL-AZO)ANILINE

TOXICITY DATA with REFERENCE:

mma-sat 4 $\mu\text{g/plate}$ MUREAV 93,67,82

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

DUO000 CAS: 3025-73-8 HR: 2
N,N-DIMETHYL-p-(3,4-XYLYLAZO)ANILINEmf: C₁₆H₁₉N₃ mw: 253.38**SYNS:** 3,4'-DIMETHYL-4-DIMETHYLAMINOZOBENZENE □ N,N-DIMETHYL-p-(3,4'-DIMETHYLPHENYL-AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DUO200 CAS: 544-97-8 HR: 3**
DIMETHYLZINCmf: C₂H₆Zn mw: 95.44**CONSENSUS REPORTS:** Zinc and its compounds are on the Community Right-To-Know List.**PROP:** A liquid. D: 1.386 @ 10.5°/4°, mp: -42.5°, bp: 46°.**SAFETY PROFILE:** A poison. Ignites spontaneously in air. Explodes in an oxygen atmosphere. Explosive reaction on contact with water; 2,2-dichloropropane. When heated to decomposition it emits toxic fumes of ZnO. See also ZINC COMPOUNDS.**DUO300 CAS: 89591-51-5 HR: 3**
DIMETPRAMIDEmf: C₁₆H₂₆N₄O₄·ClH mw: 374.87**SYNS:** N-(2-(DIETHYLAMINO)ETHYL)-4-(DIMETHYLAMINO)-2-METHOXY-5-NITROBENZAMIDE MONOHYDROCHLORIDE □ DIMETPRAMIDE □ 4-DIMETHYLAMINO-5-NITRO-2-METHOXY-N-(2-DIETHYLAMINOETHYL)BENZAMIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**eye-rbt 500 mg MLD RPTOAN 48,201,85
orl-rat LD50:856 mg/kg RPTOAN 48,201,85
orl-mus LD50:230 mg/kg RPTOAN 48,201,85
ipr-mus LD50:159 mg/kg RPTOAN 48,201,85
orl-gpg LD50:636 mg/kg RPTOAN 48,201,85**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DUO350 CAS: 642-15-9 HR: 3**
DIMIDINmf: C₂₈H₄₀N₂O₉ mw: 548.62**PROP:** Crystals from MeOH, MeOH (aq) or Skellysolve B. Mp: 149–150°. Freely sol in alc, ether, acetone, chloroform. Very sltly sol in pet ether, benzene, carbon tetrachloride. Practically insol in water and in 5% aq solns of hydrochloric acid, sodium carbonate and sodium bicarbonate.**SYNS:** ANTIMYCIN A1 □ DIHYDROSAMIDIN □ ISOVALERIC ACID-8-ESTER with 3-FORMAMIDO-N-(7-HEXYL-8-HYDROXY-4,9-DIMETHYL-2,6-DIOXO-1,5-DIOXONAN-3-YL)SALICYLAMIDE**TOXICITY DATA with REFERENCE:**orl-rat LD50:1469 mg/kg JDGRAX 7(2),1,75
ipr-mus LD50:7600 µg/kg 85FZAT -,144,67
scu-mus LD50:25 mg/kg 85FZAT -,144,67
ivn-mus LD50:900 µg/kg 85FZAT -,144,67
ims-mus LD50:1000 mg/kg JDGRAX 7(2),1,75**SAFETY PROFILE:** Poison by subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by ingestion and intramuscular routes. When heated todecomposition it emits toxic fumes of NO_x. See also ESTERS.**DUO400 CAS: 119-48-2 HR: 3**
DIMORPHOLAMINEmf: C₂₀H₃₈N₄O₄ mw: 398.62**SYNS:** AMIPAN T □ N,N'-DIBUTYL-N,N'-DICARBOXY-ETHYLENE DIAMINEMORPHOLIDE □ N,N'-DIBUTYL-N,N'-DICARBOXYMORPHOLIDE-ETHYLENEDIAMINE □ N,N'-DIBUTYLETHYLENEDIAMINE-N,N'-DICARBOXYBIS-MORPHOLIDE □ N,N'-1,2-ETHANEDIYLBIS(N-BUTYL-4-MORPHOLINECARBOXAMIDE) □ N,N'-ETHYLENEBIS(N-BUTYL-4-MORPHOLINECARBOXAMIDE) □ PRONTODIN □ 1064 TH □ THERALEPTIQUE □ THERAPTIQUE**TOXICITY DATA with REFERENCE:**orl-rat LD50:270 mg/kg NIIRDN 6,347,82
scu-rat LD50:190 mg/kg NIIRDN 6,347,82
ivn-rat LD50:24 mg/kg NIIRDN 6,347,82
ims-rat LD50:122 mg/kg NIIRDN 6,347,82
orl-mus LD50:150 mg/kg MEIEDD 10,476,83
ipr-mus LD50:80 mg/kg AIPTAK 163,133,66
scu-mus LD50:104 mg/kg AIPTAK 163,133,66
ivn-mus LD50:42,200 µg/kg NIIRDN 6,347,82**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, intravenous, intramuscular, and subcutaneous routes. An analeptic agent (stimulant). When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.**DUO500 CAS: 69853-15-2 HR: 3**
DIMORPHOLINIUM HEXACHLOROSTANNATEmf: C₈H₁₀Cl₆N₂O₂Sn mw: 497.59**SYN:** MORPHOLINIUM, HEXACHLOROSTANNATE(2-) (2:1)**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#02489

OSHA PEL: TWA 2 mg(Sn)/m³**ACGIH TLV:** TWA 2 mg(Sn)/m³**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x, Sn, and Cl⁻.**DUO600 CAS: 13071-27-7 HR: 3**
1,5-DIMORPHOLINO-3-(1-NAPHTHYL)-PENTANEmf: C₂₃H₃₂N₂O₂ mw: 368.57**SYNS:** 4,4'-(3-(1-NAPHTHALENYL)-1,5-PENTANEDIYL)BIS-MORPHOLINE □ 4,4'-(3-(1-NAPHTHYL)-1,5-PENTAMETHYLENE)DIMORPHOLINE**TOXICITY DATA with REFERENCE:**orl-rat LD50:708 mg/kg ARZNAD 18,1127,68
scu-rat LD50:830 mg/kg ARZNAD 18,1127,68
ivn-rat LD50:26 mg/kg ARZNAD 18,1127,68
orl-mus LD50:1700 mg/kg ARZNAD 18,1127,68
ipr-mus LD50:452 mg/kg JMCMA 13,418,70
ivn-mus LD50:98 mg/kg ARZNAD 18,1127,68**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion, subcutaneous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**DUO700 CAS: 4881-17-8 HR: 3**

DIMORPHOLINOPHOSPHINIC ACID PHENYL ESTERmf: $C_{14}H_{21}N_2O_4P$ mw: 312.34**SYN:** PHOSPHINIC ACID, DIMORPHOLINO-, PHENYL ESTER**TOXICITY DATA with REFERENCE:**ipr-mus LD >100 mg/kg CBCCT* 5,139,53

ivn-mus LD50:316 mg/kg CSLNX* NX#00288

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x and PO_x .**DUO800 CAS: 74749-73-8 HR: 1 DIMYRCETOL****PROP:** A mixture of dihydromyrcenol and dihydromyrcenyl formate (FCTXAV 18,649,80).**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 18,679,80

orl-rat LD50:4100 mg/kg FCTXAV 18,649,80

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.**DUP000 CAS: 258-76-4 HR: 2 DINAPHTHAZINE**mf: $C_{20}H_{12}N_2$ mw: 280.34**PROP:** Shiny black platelets from Py.**SYN:** DINAPHTAZIN (GERMAN)**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x .**DUP100 CAS: 2379-81-9 HR: 1 16H-DINAPHTHO(2,3-a:2',3'-i)CARBAZOLE-5,10,15,17-TETRAONE, 6,9-DIBENZAMIDO-**mf: $C_{42}H_{23}N_3O_6$ mw: 665.68

SYNS: AHCovat OLIVE ARN ☐ AHCovat OLIVE R ☐ AMANTHRENE OLIVE R ☐ ATIC VAT OLIVE R ☐ BENZADONE OLIVE R ☐ CALCOLOID OLIVE R ☐ CALCOLOID OLIVE RC ☐ CALCOLOID OLIVE RL ☐ CALEDONE OLIVE RP ☐ CALEDON OLIVE R ☐ CARBANTHRENE OLIVE R ☐ CERN KYPOVA 27 ☐ C.I. 69005 ☐ CIBANONE OLIVE F2R ☐ CIBANONE OLIVE 2R ☐ C.I. VAT BLACK 27 ☐ FENANTHREN OLIVE R ☐ INDANTHRENE OLIVE R ☐ INDANTHREN OLIVE R ☐ MAYVAT OLIVE AR ☐ MIKETHRENE OLIVE R ☐ NIHONTHRENE OLIVE R ☐ NYANTHRENE OLIVE R ☐ OLIV OSTANTHRENOVY R ☐ OSTANTHREN OLIVE R ☐ PALANTHRENE OLIVE R ☐ PARADONE OLIVE R ☐ PERNITHRENE OLIVE R ☐ PONSOL OLIVE AR ☐ PONSOL OLIVE ARD ☐ ROMANTRENE OLIVE FR ☐ SANDOTHRENE OLIVE N2R ☐ SOLANTHRENE OLIVE R ☐ TINON OLIVE 2R ☐ TYRIAN OLIVE I-R

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,1324,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** An eye irritant. When heated to decomposition it emits toxic vapors of NO_x .**DUP200 CAS: 29903-04-6 HR: 3 DI-(1-NAPHTHOYL)PEROXIDE**mf: $C_{22}H_{14}O_4$ mw: 342.35**PROP:** White or pale-yellow solid from dioxan (aq). Mp: 98° (decomp).**SAFETY PROFILE:** A friction-sensitive explosive. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DUP300 CAS: 148-01-6 HR: 3 DINITOLMIDE**mf: $C_8H_7N_3O_5$ mw: 225.18**PROP:** Yellowish solid or needles from EtOH (aq). Mp: 181°. Very sltly sol in water; sol in acetone, acetonitrile, and dimethyl formamide.**SYNS:** COCCIDINE A ☐ COCCIDOT ☐ DINITOLMID ☐ 3,5-DINITRO-o-TOLUAMIDE ☐ D.O.T. ☐ 2-METHYL-3,5-DINITROBENZAMIDE ☐ ZOALENE ☐ ZOAMIX**TOXICITY DATA with REFERENCE:**

mmo-esc 500 µg/plate MUREAV 77,21,80

mrc-bcs 1 mg/disc MUREAV 77,21,80

orl-rat LD50:600 mg/kg 29ZVAB -,537,69

ivn-dog LD50:75 mg/kg PCOC** -,1252,66

OSHA PEL: TWA 5 mg/m³**ACGIH TLV:** TWA 5 mg/m³; Not Classifiable as a Human Carcinogen**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. A strong exothermic reaction above 248°C has caused industrial explosions. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DUP400 CAS: 96-91-3 HR: 3 4,6-DINITRO-2-AMINOPHENOL**mf: $C_6H_5N_3O_5$ mw: 199.14**PROP:** Dark red crystals or needles from EtOH or prisms from $CHCl_3$. Mp: 169°; flash p: 410°F. Soluble in alc, benzene, glacial acetic acid, aniline, and ether; sparingly sol in water.**SYNS:** ACIDE PICRAMIQUE (FRENCH) ☐ 2-AMINO-4,6-DINITROPHENOL ☐ C.I. OXIDATION BASE 21 ☐ FOURRINE 93 ☐ FOURRINE 4R ☐ FURRO 4R ☐ PICRAMIC ACID ☐ ZOBA 4R**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µmol/plate NEZAAQ 38,533,83

mma-sat 5 µmol/plate NEZAAQ 38,533,83

ivn-dog LDLo:150 mg/kg AIPTAK 50,20,35

ipr-pgn LDLo:140 mg/kg AIPTAK 50,20,35

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Mutation data reported. Combustible when exposed to heat, flame or oxidizers. A powerful explosive when dry. May explode when shocked or heated. When heated to decomposition it emits toxic fumes of NO_x . See also EXPLOSIVES, HIGH.**DUP600 CAS: 97-02-9 HR: 3 2,4-DINITROANILINE**mf: $C_6H_5N_3O_4$ mw: 183.14**PROP:** Yellow, needle-like crystals. Mp: 188°, flash p: 435°F (CC), d: 1.615, vap d: 6.31. Insol in water.**SYNS:** 2,4-DINITRANILINE ☐ 2,4-DINITROANILIN (GERMAN) ☐ 2,4-DINITROANILINA (ITALIAN) ☐ 2,4-DINITROBENZENAMIME ☐ DNA ☐ NCI-C60753**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg/24H MLD 28ZPAK -,132,72
 mmo-sat 10 µg/plate ENMUDM 5(Suppl 1),3,83
 mma-sat 2 µg/plate MUREAV 67,1,79
 orl-rat LD50:285 mg/kg TSCAT* OTS 206512
 ipr-rat LDLo:250 mg/kg NCNSA6 5,32,53
 orl-mus LD50:370 mg/kg GTPZAB 25(8),50,81
 ipr-mus LDLo:400 mg/kg JAPMA8 48,419,59
 orl-gpg LD50:1050 mg/kg GISAAA 47(10),15,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. Mutation data reported. An eye irritant. Combustible and explosive when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. Mixtures with charcoal ignite at 350°C. Vigorous reaction with chlorine + hydrochloric acid evolves gases. When heated to decomposition it emits highly toxic fumes of NO_x.

DUP800 CAS: 119-27-7 HR: 3
2,4-DINITROANISOL

mf: C₇H₆N₂O₅ mw: 198.15

PROP: Colorless to yellow crystals from alc. Mp: 83°, bp: sublimes, d: 1.341 @ 20°/4°, vap d: 6.83.

SYNS: α-DINITROANISOLE □ 2,4-DINITROANISOLE □ 2,4-DINITROPHENYLMETHYL ETHER □ 1-METHOXY-2,4-DINITROBENZENE

TOXICITY DATA with REFERENCE:

mmo-sat 10 µg/plate BCPA6 26,729,77
 orl-rat LDLo:100 mg/kg NCNSA6 5,16,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and NITRATES.

DUP830 CAS: 67446-03-1 HR: 2
15,18-DINITROANTHRA(9,1,2-cde)BENZO(rst)-PENTAPHENE-5,10-DIONE

mf: C₃₄H₁₄N₂O₆ mw: 546.50

SYNS: ANTHRA(9,1,2-cde)BENZO(rst)PENTAPHENE-5,10-DIONE,15,18-DINITRO- □ VAT BLACK S □ VAT BLACK K

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg GISAAA 51(1),78,1986
 ipr-rat LD50:3 g/kg GISAAA 51(1),78,1986
 orl-mus LD :>5 g/kg GISAAA 51(1),78,1986

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

DUQ000 CAS: 82-35-9 HR: 2
1,5-DINITROANTHRAQUINONE

mf: C₁₄H₆N₂O₆ mw: 298.22

PROP: Yellow needles from PhNO₂ or xylene. Mp: 384–385°. Sltly sol in AcOH; sltly sol in EtOH, Et₂O, and C₆H₆.

SYNS: 1,5-DINITRO-9,10-ANTHRACENEDIONE □ 1,5-DINITROANTHRACHINON (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,121,72

ipr-rat LD50:3130 mg/kg GISAAA 49(4),90,84
 orl-mus LD50:4750 mg/kg GISAAA 49(4),90,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUQ150 HR: D
3,5-DINITROBENZAMIDE

SAFETY PROFILE: When heated to decomposition emits toxic fumes of NO_x.

DUQ180 CAS: 25154-54-5 HR: 3
DINITROBENZENE

DOT: UN 1597

mf: C₆H₄N₂O₄ mw: 168.12

SYNS: DINITROBENZENE, solution (DOT) □ DINITROBENZOL, solid (DOT)

OSHA PEL: TWA 1 mg/m³ (skin)

ACGIH TLV: TWA 0.15 ppm (skin)

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen. A poison. When heated to decomposition it emits toxic fumes of NO_x. See also o-DINITROBENZENE.

DUQ200 CAS: 99-65-0 HR: 3
m-DINITROBENZENE

DOT: UN 1597

mf: C₆H₄N₂O₄ mw: 168.12

PROP: Yellowish crystals from alc. Mp: 89°, bp: 291°.

SYNS: BINITROBENZENE □ 1,3-DINITROBENZENE □ 2,4-DINITROBENZENE □ 1,3-DINITROBENZOL □ DWUNITROBENZEN (POLISH)

TOXICITY DATA with REFERENCE:

mmo-sat 3300 ng/plate ENMUDM 2,531,80
 mma-sat 100 nmol/plate MUREAV 58,11,78
 eye-rbt 100 mg JACTDZ 1,168,92

orl-hmn LDLo:28 mg/kg 34ZIAG -226,69
 skn-man TDLo:4 mg/kg/2D-I:CNS,PUL LANCAO 2,582,01

orl-rat LD50:83 mg/kg NTIS** AD-A066-307
 ipr-rat LD50:28 mg/kg AEPPAE 207,446,49
 orl-dog LDLo:600 mg/kg NTIS** AD-A066-307
 ivn-dog LD50:10 mg/kg NTIS** AD-A066-307
 orl-cat LDLo:27 mg/kg LANCAO 2,582,01
 orl-rbt LDLo:400 mg/kg NTIS** AD-A066-307
 orl-bwd LD50:42 mg/kg TXAPA9 21,315,72

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

OSHA PEL: TWA 1 mg/m³ (skin)

ACGIH TLV: TWA 0.15 ppm (skin)

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen. Human poison by ingestion. Experimental poison by ingestion, intraperitoneal, and intravenous routes. Human systemic

effects by skin contact: cyanosis and motor activity changes. Experimental reproductive effects. An eye irritant. Mutation data reported. Mixture with nitric acid is a high explosive. Mixture with tetranitromethane is a high explosive very sensitive to sparks. When heated to decomposition it emits toxic fumes of NO_x. See also o- and p-DINITROBENZENE.

DUQ400 **CAS: 528-29-0** **HR: 3**
o-DINITROBENZENE

DOT: UN 1597

mf: C₆H₄N₂O₄ mw: 168.12

PROP: Colorless needles or plates from alc. Mp: 118°, bp: 319°, flash p: 302°F (CC), d: 1.571 @ 0°/4°, vap d: 5.79. Sol in EtOH and CHCl₃; sltly sol in H₂O. IDLH 50 mg/m³.

SYN: 1,2-DINITROBENZENE

OSHA PEL: TWA 1 mg/m³ (skin)

ACGIH TLV: TWA 0.15 ppm (skin)

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen. Poison by inhalation and ingestion. Moderately toxic by skin contact. Can cause liver, kidney, and central nervous system injury. Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. A severe explosion hazard when shocked or exposed to heat or flame. It is used in bursting charges and to fill artillery shells. Mixtures with nitric acid are highly explosive. To fight fire, use water, CO₂, dry chemical. Dangerous; when heated to decomposition it emits highly toxic fumes of NO_x and explodes. See also m- and p-DINITROBENZENE and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUQ600 **CAS: 100-25-4** **HR: 3**
p-DINITROBENZENE

DOT: UN 1597

mf: C₆H₄N₂O₄ mw: 168.12

PROP: White crystals, needles or prisms from alc. Mp: 173°, bp: 299°. Volatile with steam. IDLH 50 mg/m³.

SYN: DITHANE A-4

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate CRNGDP 6,727,85

mma-sat 25 µg/plate CRNGDP 6,727,85

orl-cat LDLo:29 mg/kg 85ESA3 11,516,89

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1 mg/m³ (skin)

ACGIH TLV: TWA 0.15 ppm (skin)

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen. Poison by ingestion. Mutation data reported. Mixture with nitric acid is a high explosive. When heated to decomposition it emits toxic fumes of NO_x. See also o- and m-DINITROBENZENE.

DUQ800 **HR: 3**

4,6-DINITROBENZENEDIAZONIUM-2-OXIDE

mf: C₆H₂N₄O₅ mw: 210.11

SAFETY PROFILE: A very powerful priming explosive as sensitive as mercury fulminate. When heated to decomposition it emits toxic fumes of NO_x.

DUR200 **CAS: 528-76-7** **HR: 3**
2,4-DINITROBENZENESULFENYL CHLORIDE

mf: C₆H₃ClN₂O₄S mw: 234.62

PROP: A solid. Mp: 95–96°.

SAFETY PROFILE: A heat-sensitive explosive. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUR400 **CAS: 89-02-1** **HR: 3**
2,4-DINITROBENZENESULFONIC ACID

mf: C₆H₄N₂O₇S mw: 248.18

PROP: Crystals. Mp: 106–108° (hydrate), mp: 130° (anhyd).

SYN: KYSELINA-2,4-DINITROBENZENSULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,180,72

eye-rbt 500 mg/24H MLD 28ZPAK -,180,72

ivn-mus LD50:320 mg/kg CSLNX* NX#01550

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUR425 **CAS: 2218-96-4** **HR: 3**
2,4-DINITROBENZENETHIOL

mf: C₆H₄N₂O₄S mw: 200.18

SYN: BENZENETHIOL, 2,4-DINITRO-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg NCNSA6 5,37,1953

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

DUR500 **CAS: 5128-28-9** **HR: 3**
4,6-DINITROBENZOFURAZAN-N-OXIDE

mf: C₆H₂N₄O₆ mw: 226.10

PROP: Yellow needles from AcOH. Mp: 172°.

SAFETY PROFILE: A powerful, high explosive as sensitive as picric acid. Forms impact-, friction- or electric shock-sensitive explosive complexes with cysteine and nucleophiles (e.g., potassium hydrogen carbonate in water or methanol, potassium hydroxide in methanol, ammonia, hydroxylamine, hydrazine hydrate). Forms explosive adducts with furan, N-methylindole, and N-methylpyrrole. Forms adducts with ketones (e.g., acetone, cyclopentanone, cyclopentanedione, 2,4-pentanedione, 3-methyl-2,4-pentanedione) which can produce shock-sensitive, high explosive potassium salts. Upon decomposition it emits toxic fumes of NO_x. See also EXPLOSIVES, HIGH.

DUR550 **CAS: 528-45-0** **HR: D**
3,4-DINITROBENZOIC ACID

1478 *DUR600* 3,5-DINITROBENZOIC ACID

mf: C₇H₄N₂O₆ mw: 212.13

SYN: BENZOIC ACID, 3,4-DINITRO-

TOXICITY DATA with REFERENCE:

mmo-sat 500 µg/plate SAIGBL 29,34,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUR600 CAS: 99-34-3 HR: D
3,5-DINITROBENZOIC ACID

mf: C₇H₄N₂O₆ mw: 212.13

SYNS: BENZOIC ACID, 3,5-DINITRO- □ DNBA

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate GDIKAN 29,278,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUR800 CAS: 87-31-0 HR: 3
5,7-DINITRO-1,2,3-BENZOXADIAZOLE

DOT: UN 0074

mf: C₆H₂N₄O₅ mw: 210.12

SYNS: DDNP □ DIAZO □ 2-DIAZO-4,6-DINITROBENZENE-1-OXIDE □ DIAZODINITROPHENOL (dry) (DOT) □

DIAZODINITROPHENOL, wetted with not <40% H₂O or mixture of alcohol & H₂O (UN 0074) (DOT) □ INITIATING EXPLOSIVE DIAZODINITROPHENOL (DOT)

DOT CLASSIFICATION: Forbidden; DOT Class: EXPLOSIVE 1.1A; Label: EXPLOSIVE 1.1A (UN 0074)

SAFETY PROFILE: An explosive. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS, and EXPLOSIVES, HIGH.

DUR850 CAS: 99-33-2 HR: D
3,5-DINITROBENZOYL CHLORIDE

mf: C₇H₃ClN₂O₅ mw: 230.57

SYNS: BENZOYL CHLORIDE, 3,5-DINITRO- □ 3,5-DINITROBENZOIC ACID CHLORIDE

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate SAIGBL 29,34,87

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⁻.

DUS000 CAS: 1528-74-1 HR: 2
4,4'-DINITROBIPHENYL

mf: C₁₂H₈N₂O₄ mw: 244.22

PROP: Needles from EtOH or toluene. Mp: 239–239.5°.

SYN: 4,4'-DINITROBIFENYL (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,61,72

mmo-sat 2500 µg/plate MUREAV 91,321,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. Questionable carcinogen with experimental tumorigenic data. Mutation

data reported. When heated to decomposition it emits toxic fumes of NO_x.

DUS100 CAS: 51787-75-8 HR: D
4,4'-DINITRO-2-BIPHENYLAMINE

mf: C₁₂H₉N₃O₄ mw: 259.24

SYNS: (1,1'-BIPHENYL)-2-AMINE, 4,4'-DINITRO- □ 4,4'-DINITRO-(1,1'-BIPHENYL)-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 10 µLg/plate FCTOD7 38,1,2000

mic-sat 3 µLg/plate TOSCF2 56,351,2000

mic-sat 3 µLg/plate TOSCF2 56,351,2000

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

DUS200 CAS: 1817-73-8 HR: 2
2,4-DINITRO-6-BROMOANILINE

mf: C₆H₄BrN₃O₄ mw: 262.04

PROP: Yellow needles from AcOH or EtOH. Mp: 153–154°.

SYNS: 2,4-DINITRO-6-BROMANILIN (CZECH) □ 2-BROMO-4,6-DINITROANILINE □ 6-BROMO-2,4-DINITROANILINE □ BROMO DNA □ NCI-C60844

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,94,72

mmo-sat 10 µg/plate ENMUDM 9(Suppl 9),1,87

orl-rat LD50:4100 mg/kg TSCAT* OTS 206481

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. Mutation data reported. When heated to decomposition it emits very toxic fumes of Br⁻ and NO_x. See also 2,4-DINITROANILINE.

DUS400 CAS: 28103-68-6 HR: 3
2,3-DINITRO-2-BUTENE

mf: C₄H₆N₂O₄ mw: 146.11

CH₃C(NO₂)=C(NO₂)CH₃

SAFETY PROFILE: Potentially explosive at 135°C/14 mbar. When heated to decomposition it emits toxic fumes of NO_x.

DUS500 CAS: 29110-68-7 HR: 2
2,4-DINITRO-6-tert-BUTYLPHENYL METHANESULFONATE

mf: C₁₁H₁₄N₂O₇S mw: 318.33

SYNS: HE 166 □ PREPARATION HE 166

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. An herbicide. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also SULFONATES.

DUS600 CAS: 2401-85-6 HR: 3
2,4-DINITRO-1-CHLORO-NAPHTHALENE

mf: C₁₀H₅ClN₂O₄ mw: 252.62

PROP: Yellow needles from C₆H₆ or AcOH (aq). Mp: 146.5°.

SYN: 1-CHLORO-2,4-DINITRONAPHTHALENE

TOXICITY DATA with REFERENCE:

unr-mam LD50:250 mg/kg 30ZDA9 -,81,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by unspecified route. Questionable carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also 2,4-DINITROANILINE.

DUS700 CAS: 534-52-1 HR: 3
DINITRO-*o*-CRESOL

mf: $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ mw: 198.15

PROP: Yellow, prismatic crystals from alc. Mp: 85.8°, vap d: 6.82. IDLH 5 mg/m³.

SYNS: ANTINONIN □ ARBOROL □ CAPSINE □ CHEMSECT □ DNOC □ DEGRASSAN □ DEKRSYL □ DETAL □ DINITROCRESOL □ 2,4-DINITRO-*o*-CRESOL □ 4,6-DINITRO-*o*-CRESOL □ 4,6-DINITRO-*o*-CRESOLO (ITALIAN) □ DINITRO-DENDTROXAL □ 3,5-DINITRO-2-HYDROXY-TOLUENE □ 4,6-DINITRO-*o*-KRESOL (CZECH) □ 4,6-DINITRO-KRESOL (DUTCH) □ DINITROL □ DINITROMETHYL CYCLOHEXYL-TRIENOL □ 2,4-DINITRO-6-METHYLPHENOL □ DINOC □ DINURANIA □ DITROSOL □ DN-DRY MIX No. 2 □ DNOK (CZECH) □ DWUNITRO-*o*-KREZOL (POLISH) □ EFFUSAN □ ELGETOL □ ELIPOL □ ENT 154 □ EXTRAR □ HEDOLIT □ K III □ KRENITE (OBS.) □ KRESAMONE □ KREZOTOL 50 □ LE DINITROCRESOL-4,6 (FRENCH) □ LIPAN □ 2-METHYL-4,6-DINITROPHENOL □ NITRADOR □ NITROFAN □ PROKARBOL □ RAFEX □ RAPHATOX □ RCRA WASTE NUMBER P047 □ SANDOLIN □ SELINON □ SINOX □ TRIFOCIDE □ TRIFRINA □ WINTERWASH □ ZAHLREICHE BEZEICHNUNGEN (GERMAN)

TOXICITY DATA with REFERENCE:

skn-rbt 105 mg/9D-I MLD JIHTAB 30,10,48
eye-rbt 20 mg/24H MOD 85JCAE -,678,86
mma-sat 1 $\mu\text{mol}/\text{plate}$ AIDZAC 10,305,82
sln-dmg-ori 250 $\mu\text{mol}/\text{L}$ ARTODN Suppl. 4,59,80
ori-man TDLo:7500 $\mu\text{g}/\text{kg}/7\text{D}$:CNS CMEP** -,1,56
ihl-hmn TCLo:1 mg/m³:BRN,CVS,GIT HYSAAV 30,197,65
unr-man LDLo:29 mg/kg 85DCAI 2,73,70
ori-rat LD50:10 mg/kg 85ARAE 3,54,76
skn-rat LD50:200 mg/kg WRPCA2 9,119,70
ipr-rat LDLo:28 mg/kg TXAPA9 1,156,59
scu-rat LD50:25,600 $\mu\text{g}/\text{kg}$ JPPMAB 4,1062,52
ori-mus LD50:47 mg/kg HYSAAV 30,197,65
ipr-mus LD50:19 mg/kg BCPCA6 18,1389,69
ivn-dog LDLo:15 mg/kg AIPTAK 50,20,35
ihl-cat LCLo:40 mg/m³ HYSAAV 30,197,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.2 mg/m³ (skin)

ACGIH TLV: TWA 0.2 mg/m³ (skin)

DFG MAK: 0.2 mg/m³

NIOSH REL: (Dinitro-*o*-Cresol) TWA 0.2 mg/m³

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Human poison by unspecified route. Experimental poison by ingestion, inhalation, skin contact, intraperitoneal, and intravenous routes. Human systemic effects by ingestion and inhalation: somnolence, headache, abnormal brain recordings from specific areas

of the central nervous system, cardiac and gastrointestinal changes. Mutation data reported. An eye and skin irritant. Less toxic than the para form, but is still highly toxic. A pesticide. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and other dinitrocresol entries.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dinitro-*o*-cresol S166.

DUT000 CAS: 497-56-3 HR: 3
3,5-DINITRO-*o*-CRESOL

mf: $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ mw: 198.15

PROP: Yellow prisms from EtOH. Mp: 85°.

TOXICITY DATA with REFERENCE:

scu-rat LDLo:40 mg/kg XPHBAO 271,146,41

NIOSH REL: (Dinitro-Ortho-Cresol) TWA 0.2 mg/m³

SAFETY PROFILE: Poison by subcutaneous route.

When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and other dinitrocresol entries.

DUT200 CAS: 63989-82-2 HR: 3
3,5-DINITRO-*p*-CRESOL

mf: $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ mw: 198.15

PROP: Crystals or pale-yellow needles from toluene. Mp: 154–155°.

TOXICITY DATA with REFERENCE:

ipr-pgn LDLo:20 mg/kg AIPTAK 50,20,35

SAFETY PROFILE: Poison by intraperitoneal route.

Strong irritant to eyes, skin, and mucous membranes. Can cause brain, liver, and kidney damage by various routes. When heated to decomposition it emits toxic fumes of NO_x . See also 4,6-DINITRO-*o*-CRESOL.

DUT600 CAS: 609-93-8 HR: 3
2,6-DINITRO-*p*-CRESOL

mf: $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ mw: 198.15

PROP: Yellow needles from pet ether. Mp: 84°.

SYNS: DINITRO-*p*-CRESOL □ DNPC □ VICTORIA ORANGE □ VICTORIA YELLOW

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate MUREAV 58,1,78

ipr-mus LD50:24.8 mg/kg JPPMAB 5,497,53

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 NO_x . See also other dinitrocresol entries.

DUT700 CAS: 616-73-9 HR: D
4,6-DINITRO-*m*-CRESOL

mf: $\text{C}_7\text{H}_6\text{N}_2\text{O}_5$ mw: 198.15

SYNS: *m*-CRESOL, 4,6-DINITRO- □ 3-METHYL-4,6-DINITROPHENOL

TOXICITY DATA with REFERENCE:

mmo-sat 10 $\mu\text{g}/\text{plate}$ ENMUDM 4,163,82

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

DUT800 CAS: 2980-64-5 HR: 3

4,6-DINITRO-o-CRESOL AMMONIUM SALTmf: $C_7H_6N_2O_5 \cdot H_3N$ mw: 215.19

SYNS: AMMONIUM DNOC □ DINOZOL □ DINOZOL 50 □ DNOC AMMONIUM SALT □ ERBITOX □ KRESONIT E □ KREZAMON □ KREZONIT E □ 2-METHYL-4,6-DINITROPHENOL, AMMONIUM SALT □ SUPERELGETOL

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 20 µg/L EESADV 2,243,78
 cyt-mus-orl 20 mg/kg EESADV 5,38,81
 cyt-mus-ipr 10 mg/kg PHABDI 18,77,78
 dlt-mus-ipr 10 mg/kg EESADV 2,401,78
 spm-mus-ipr 10 mg/kg EESADV 2,243,78
 orl-rat LDLo:50 mg/kg JPPMAB 4,1062,52
 scu-rat LD50:27,500 µg/kg JPPMAB 4,1062,52

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. An experimental teratogen. Human mutation data reported. An herbicide. When heated to decomposition it emits toxic fumes of NO_x and NH_3 . See also other dinitrocresol entries.

DUT900 CAS: 63989-83-3 HR: 3
4,6-DINITRO-o-CRESOL BARIUM DERIVATIVE

SYN: o-CRESOL, 4,6-DINITRO-, BARIUM DERIVATIVE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:100 mg/kg NCNSA6 5,33,1953

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

DUU000 HR: 3
4,6-DINITRO-o-CRESOL DIETHYLAMINE SALT
mf: $C_7H_6N_2O_4 \cdot C_4H_{11}N$ mw: 255.31**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:50 mg/kg JPPMAB 4,1062,52
 scu-rat LD50:36,500 µg/kg JPPMAB 4,1062,52

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x . See also other dinitrocresol entries.

DUU200 CAS: 63989-84-4 HR: 3
4,6-DINITRO-o-CRESOL METHYLAMINE (1:1)
TOXICITY DATA with REFERENCE:

ipr-mus LDLo:31 mg/kg CBCCT* 6,146,54

NIOSH REL: (Dinitro-Ortho-Cresol) TWA 0.2 mg/m³

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and other dinitrocresol entries.

DUU400 CAS: 63989-85-5 HR: 3
4,6-DINITRO-o-CRESOL MORPHOLINE (1:1)
mf: $C_7H_6N_2O_5 \cdot C_4H_9NO$ mw: 285.29**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:25 mg/kg CBCCT* 6,146,54

NIOSH REL: (Dinitro-Ortho-Cresol) TWA 0.2 mg/m³

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and other dinitrocresol entries.

DUU600 CAS: 2312-76-7 HR: 3**4,6-DINITRO-o-CRESOL SODIUM SALT**mf: $C_7H_5N_2O_5 \cdot Na$ mw: 220.13

PROP: Brilliant, orange-yellow dye.

SYNS: CORODINOC □ CRESOTOL □ DINITRO-o-CRESOL SODIUM SALT □ 3,5-DINITRO-o-CRESOL SODIUM SALT □ 2,4-DINITRO-6-METHYLPHENOL SODIUM SALT □ DINOC □ DNOC SODIUM SALT □ DYNOSOL □ EK 54 □ ELGETOL □ KRENITE (OBS.) □ KREZONITE □ 2-METHYL-4,6-DINITROPHENOL SODIUM SALT □ SINOX □ SODIUM-4,6-DINITRO-o-CRESOXIDE □ SODIUM SALT of 4,6-DINITRO-o-CRESOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:26 mg/kg SPEADM 74-1,-,74
 skn-rat LD50:200 mg/kg SPEADM 74-1,-,74
 scu-rat LDLo:20 mg/kg JPETAB 76,245,42
 orl-dom LD50:200 mg/kg 85GYAZ -,75,71
 orl-mam LD50:200 mg/kg GUCHAZ 6,243,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

NIOSH REL: (Dinitro-Ortho-Cresol) TWA 0.2 mg/m³

SAFETY PROFILE: Poison by ingestion, skin contact, and subcutaneous routes. Flammable. A pesticide. When heated to decomposition it emits toxic fumes of Na_2O . See also other dinitrocresol entries.

DUU700 CAS: 4028-15-3 HR: 3**1,1-DINITROCYCLOHEXANE**mf: $C_6H_{10}N_2O_4$ mw: 174.18

SYN: CYCLOHEXANE, 1,1-DINITRO-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD ATDAEI 15(Suppl 1),S32,1996
 orl-rat LDLo:60 mg/kg ATDAEI 15(Suppl 1),S32,1996
 ihl-rat LCLo:36 ppm/4H ATDAEI 15(Suppl 1),S32,1996

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

DUU800 CAS: 505-71-5 HR: 2**N,N'-DINITRO-1,2-DIAMINOETHANE**mf: $C_2H_6N_4O_4$ mw: 150.10 $(O_2NNHCH_2-)_2$

PROP: Crystals from H_2O . Mp: 174.5–176°.

SYNS: N,N'-DINITROETHYLENEDIAMINE □ N,N'-DINITROETHANEDIAMINE □ ETHANEDIAMINE, N,N'-DINITRO-(9CI) □ ETHYLENEDINITRAMINE □ ETHYLENEDINITROAMINE □ HALEITE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:540 mg/kg PCJOAU 10,1504,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by an intraperitoneal route. A relatively insensitive explosive. Decomposes violently at 202°C. Forms very impact-sensitive lead and silver salts. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS.

DUV000 CAS: 25240-93-1 HR: 3**DINITRODIAZOMETHANE**mf: CN_4O_4 mw: 132.03

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

DUV020 CAS: 71400-33-4 HR: D
2,7-DINITRODIBENZO-p-DIOXIN

mf: C₁₂H₆N₂O₆ mw: 274.20

SYNS: DIBENZO-p-DIOXIN, 2,7-DINITRO- □
 DIBENZO(b,e)(1,4)DIOXIN, 2,7-DINITRO- □ 2,7-DINITRODIBENZO(b,e)(1,4)DIOXIN

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 ng/plate MUREAV 281,247,92

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

DUV030 CAS: 71400-34-5 HR: D
2,8-DINITRODIBENZO-p-DIOXIN

mf: C₁₂H₆N₂O₆ mw: 274.20

SYNS: DIBENZO(b,e)(1,4)DIOXIN, 2,8-DINITRO- □ 2,8-DINITRODIBENZO(b,e)(1,4)DIOXIN

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 ng/plate MUREAV 281,247,92

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

DUV089 HR: 3
5,6-DINITRO-2-DIMETHYLAMINO-PYRIMIDINONE

mf: C₆H₇N₃O₅ mw: 229.15

PROP: Mp: 190°C.

SAFETY PROFILE: Decomposes violently when heated to 190°C. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUV100 CAS: 961-68-2 HR: 3
2,4-DINITRODIPHENYLAMINE

mf: C₁₂H₉N₃O₄ mw: 259.24

SYN: DIPHENYLAMINE, 2,4-DINITRO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#06394

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUV400 CAS: 52129-71-2 HR: 2
3',5'-DINITRO-4'-(DI-n-PROPYLAMINO)ACETOPHENONE

mf: C₁₄H₁₉N₃O₅ mw: 309.36

SYN: BUBAN 37

TOXICITY DATA with REFERENCE:

orl-rat LD50:750 mg/kg FMCHA2 -,C38,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUV600 CAS: 1582-09-8 HR: 2
2,6-DINITRO-N,N-DIPROPYL-4-(TRIFLUOROMETHYL)BENZENAMINE

mf: C₁₃H₁₆F₃N₃O₄ mw: 335.32

PROP: A solid. Mp: 48.5–49°. Very sol in Me₂CO and xylene; very sltly sol in H₂O. Technical product contains 84–88 ppm dipropylnitrosoamine NCITR* NCI-CG-TR-34,78.

SYNS: AGREFLAN □ AGRIFLAN 24 □ CRISALIN □
 DIGERMIN □ 2,6-DINITRO-N,N-DI-N-PROPYL-α,α,α-TRIFLUORO-p-TOLUIDINE □ 2,6-DINITRO-4-TRIFLUOROMETHYL-N,N-DIPROPYLANILIN (GERMAN) □ 4-(DI-N-PROPYLAMINO)-3,5-DINITRO-1-TRIFLUOROMETHYLBENZENE □ N,N-DI-N-PROPYL-2,6-DINITRO-4-TRIFLUOROMETHYLANILINE □ N,N-DIPROPYL-4-TRIFLUOROMETHYL-2,6-DINITROANILINE □ ELANCOLAN □ L-36352 □ LILLY 36,352 □ M.T.F. □ NCI-C00442 □ NITRAN □ OLITREF □ SUPER-TREFLAN □ SU SEGURO CARPIDOR □ SYNFLORAN □ TREFANOCIDE □ TREFICON □ TREFLAM □ TREFLAN □ TREFLANOCIDE ELANCOLAN □ TRI-4 □ TRIFLORAN □ TRIFLUORALIN (USDA) □ α,α,α-TRIFLUORO-2,6-DINITRO-N,N-DIPROPYL-p-TOLUIDINE □ 4-(TRIFLUOROMETHYL)-2,6-DINITRO-N,N-DIPROPYLANILINE □ TRIFLURALIN □ TRIFLURALINA 600 □ TRIFLURALINE □ TRIFUREX □ TRIKEPIN □ TRIM □ TRISTAR

TOXICITY DATA with REFERENCE:

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

mrc-asn 100 µg/plate AISSAW 18,123,82

cyt-hmn:lym 2 ppm PATHAB 73,707,81

sce-hmn:lym 1 mg/L BSIBAC 60,2149,84

cyt-mus-ipr 200 mg/kg EESADV 4,263,80

orl-mus TDLo:10 mg/kg (6-15D preg):TER TJADAB 15,15A,77

ipr-mus TDLo:200 mg/kg (1D male):REP EESADV 4,263,80

orl-mus TDLo:180 g/kg/78W-C:CAR NCITR* NCI-CG-TR-34,78

ipr-mus TDLo:2600 µg/kg/39D-I:ETA PATHAB 73,707,81

orl-mus TD:340 g/kg/78W-C:CAR NCITR* NCI-CG-TR-34,78

orl-rat LD50:1930 mg/kg FCTOD7 30,1031,92

ihl-rat LC50:2800 mg/m³/1H NNGADV 16,557,91

skn-rat LD50:>5 g/kg WRPCA2 9,119,70

orl-mus LD50:3197 mg/kg NNGADV 16,557,91

ipr-mus LDLo:1500 mg/kg BECTA6 20,554,78

orl-dog LD50:>2 g/kg PEMNDP 9,851,91

orl-rbt LD50:>2 g/kg PEMNDP 9,851,91

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse NCITR* NCI-CG-TR-34,78; No Evidence: rat NCITR* NCI-CG-TR-34,78. EPA Genetic Toxicology Program. Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Human mutation data reported. When heated to decomposition it

emits very toxic fumes of F^- and NO_x . See also FLUORIDES.

DUV700 CAS: 69-78-3 HR: 2
2,2'-DINITRO-5,5'-DITHIODIBENZOIC ACID

mf: $C_{14}H_8N_2O_8S_2$ mw: 396.36

SYNS: BENZOIC ACID, 3,3'-DITHIOBIS(6-NITRO- □ 2,2'-DINITRO-5,5'-DITHIODIBENZOESAEURE □ 3,3'-DITHIOBIS(6-NITROBENZOIC ACID)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2080 mg/kg ARZNAD 21,284,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUV710 CAS: 600-40-8 HR: 3
1,1-DINITROETHANE

mf: $C_2H_4N_2O_4$ mw: 120.08

SYNS: 1,1-DINITROETHANE (dry) (DOT) □ ETHANE, 1,1-DINITRO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg KHfZAN 10(6),53,76

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: A poison by intraperitoneal route. An unstable solid forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x .

DUV720 CAS: 7570-26-5 HR: 3
1,2-DINITROETHANE

mf: $C_2H_4N_2O_4$ mw: 120.08

SYN: ETHANE, 1,2-DINITRO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable solid forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x .

DUV800 CAS: 505-71-5 HR: 2
N,N'-DINITROETHYLENEDIAMINE

SYNS: ETHYLENEDINITRAMINE □ ETHYLENEDINITROAMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:540 mg/kg PCJOAU 10,1504,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUW100 CAS: 105735-71-5 HR: 2
3,7-DINITROFLUORANTHENE

mf: $C_{16}H_8N_2O_4$ mw: 292.26

TOXICITY DATA with REFERENCE:

mmo-sat 250 pg/plate MUREAV 191,85,87

mma-sat 1 µg/plate MUREAV 191,85,87

dnr-bcs 10 ng/disc MUREAV 191,85,87

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 46,189,89; Animal Limited Evidence IMEMDT 46,189,89; Human No Adequate Data IMEMDT 46,189,89;

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

DUW120 CAS: 22506-53-2 HR: 2
3,9-DINITROFLUORANTHENE

mf: $C_{16}H_8N_2O_4$ mw: 292.26

SYN: 4,12-DINITROFLUORANTHENE

TOXICITY DATA with REFERENCE:

mmo-sat 250 pg/plate MUREAV 191,85,87

mma-sat 1 µg/plate MUREAV 191,85,87

dnr-bcs 10 ng/disc MUREAV 191,85,87

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 46,195,89; Animal Limited Evidence IMEMDT 46,195,89; Human No Adequate Data IMEMDT 46,195,89.

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

DUW200 CAS: 5405-53-8 HR: 3
2,7-DINITROFLUORENE

mf: $C_{13}H_8N_2O_4$ mw: 256.23

PROP: Needles from $PhNO_2$. Mp: 334°. Sol in hot AcOH; almost insol in EtOH.

TOXICITY DATA with REFERENCE:

mmo-sat 10 ng/plate MUREAV 143,213,85

uns-bac-esc 1250 ng/tube EMMUEG 18,41,91

dns-rat:lv 250 µg/L MUREAV 190,159,87

dns-rat:lv 100 µmol/L ENMUDM 3,11,81

dns-mus:lv 2500 µg/L MUREAV 190,159,87

SAFETY PROFILE: A questionable carcinogen with experimental carcinogenic data. Mutation data reported. A very shock-sensitive explosive which also explodes above its melting point of 152°C. Upon decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUW300 CAS: 31551-45-8 HR: D
2,7-DINITRO-9-FLUORENONE

mf: $C_{13}H_6N_2O_5$ mw: 270.21

SYNS: 2,7-DINITROFLUORENONE □ 9-FLUORENONE, 2,7-DINITRO-

TOXICITY DATA with REFERENCE:

mmo-sat 10 ng/plate EMMUEG 11(Suppl 12),1,88

uns-bac-esc 1250 ng/tube EMMUEG 18,41,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUW400 CAS: 70-34-8 HR: 3
2,4-DINITRO-1-FLUOROBENZENE

mf: $C_6H_3FN_2O_4$ mw: 186.11

PROP: Crystals or oil. Crystals mp: 27°; oil mp: 12°, bp: 137° @ 20 mm. Sol in ether, benzene, and propylene glycol.

SYNS: 2,4-DINITROFLUOROBENZENE □ 2,4-DNFB □ 1-FLUORO-2,4-DINITROBENZENE □ 1,2,4-FLUORODINITROBENZENE

TOXICITY DATA with REFERENCE:

mno-sat 500 nmol/L ENMUDM 3,11,81
mma-sat 33 µg/plate ENMUDM 5(Suppl 1),3,83
mmo-esc 5 µmol/L CRNGDP 3,139,82
mrc-smc 320 µmol/L MGGEAE 168,125,79
otr-ham:kdy 80 µg/L BJCAAI 37,873,78
orl-rat LDLo:50 mg/kg NCNSA6 5,17,53
skn-mus LDLo:100 mg/kg CNREA8 29,179,69
scu-mus LDLo:100 mg/kg BIJOAK 41,558,47

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

SAFETY PROFILE: Poison by ingestion, skin contact, and subcutaneous routes. A powerful irritant and vesicant. Mutation data reported. Solutions in ether may explode when evaporated. When heated to decomposition it emits highly toxic fumes of NO_x and F⁻. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and FLUORIDES.

DUW500 CAS: 119-15-3 HR: 2
2,4-DINITRO-p-HYDROXYDIPHENYLAMINE

mf: C₁₂H₉N₃O₅ mw: 275.24

SYNS: ACETAMINE YELLOW 2R □ ACETOQUINONE LIGHT YELLOW 2RZ □ AMACEL YELLOW RR □ CELLITON FAST YELLOW RR □ C.I. 10345 □ C.I. DISPERSE YELLOW 1 □ CILLA FAST YELLOW RR □ C.I. SOLVENT YELLOW 52 □ DISPERSE FAST YELLOW 2K □ DISPERSE YELLOW R □ DISPERSE YELLOW STABLE 2K □ DISPERSOL FAST YELLOW A □ DISPERSOL PRINTING YELLOW A □ DISPERSOL YELLOW B-A □ FAST DISPERSE YELLOW 2K □ FENACET FAST YELLOW 2R □ KAYALON FAST YELLOW RR □ MICROSETILE YELLOW 2R □ NYLOQUINONE YELLOW 2R □ PERLITON YELLOW RR □ PERMANENT YELLOW 2K □ PHENOL, p-(2,4-DINITRO-ANILINO)- □ RELITON YELLOW R □ SERISOL FAST YELLOW A □ SETACYL YELLOW P-BS □ SRA GOLDEN YELLOW VIII □ SUPRACET FAST YELLOW 2R □ SUPRACET YELLOW RR □ SYNTEN YELLOW P 2R

TOXICITY DATA with REFERENCE:

mno-sat 33 µg/plate EMMUEG 11(Suppl 12),1,88
orl-rat LD50:>5 g/kg JSACA5 23,259,72
ipr-rat LD50:5230 mg/kg GISAAA 52(11),94,87
orl-mus LD50:6550 mg/kg GISAAA 52(11),94,87
ipr-uns LD50:2500 mg/kg GISAAA 40(10),114,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUW503 CAS: 2536-18-7 HR: 3
1,3-DINITRO-2-IMIDAZOLIDONE

mf: C₃H₄N₄O₅ mw: 176.11

SYNS: 1,3-DINITRO-2-IMIDAZOLIDINONE □ 2-IMID-AZOLIDINONE, 1,3-DINITRO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#04408

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUW505 CAS: 608-50-4 HR: 3
2,4-DINITROMESITYLENE

mf: C₉H₁₀N₂O₄ mw: 210.21

SYNS: BENZENE, 1,3,5-TRIMETHYL-2,4-DINITRO- □ 2,4-DINITRO-1,3,5-TRIMETHYLBENZENE (DOT) □ MESITYLENE, 2,4-DINITRO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable solid forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x.

DUW507 CAS: 625-76-3 HR: 3
DINITROMETHANE

mf: CH₂N₂O₄ mw: 106.05

SYN: METHANE, DINITRO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

DUX509 CAS: 3,5-DINITRO-2-METHYLBENZENEDIZAONIUM-4-OXIDE

mf: C₇H₄N₄O₅ mw: 224.13

SAFETY PROFILE: A very shock-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x. See also EXPLOSIVES, HIGH.

DUX560 CAS: 70343-15-6 HR: 3
2,5-DINITRO-3-METHYLBENZOIC ACID

mf: C₈H₆N₂O₆ mw: 226.15

PROP: Straw colored prisms from MeOH (aq). Mp: 180–181°.

SAFETY PROFILE: Mixtures with oleum + sodium azide are potentially explosive. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUX600 CAS: 10308-90-4 HR: 3
N,N'-DINITRO-N-METHYL-1,2-DIAMINOETHANE

mf: C₃H₈N₄O₄ mw: 164.14

CH₃N(NO₂)C₂H₄NHNO₂

PROP: Crystals. Mp: 120.5–121.8°.

SAFETY PROFILE: Decomposes violently at 210°C. When heated to decomposition it emits toxic fumes of NO_x.

DUX650 CAS: 606-37-1 HR: 3
1,3-DINITRONAPHTHALENE

mf: C₁₀H₆N₂O₄ mw: 218.18

SYN: NAPHTHALENE, 1,3-DINITRO-

TOXICITY DATA with REFERENCE:

mno-sat 1 µg/plate ENMUDM 3,499,81

mno-sat 33 µg/plate EMMUEG 19(Suppl 21),2,92

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

DUX700 CAS: 605-71-0 HR: 3
1,5-DINITRONAPHTHALENE

mf: C₁₀H₆N₂O₄ mw: 218.17

PROP: Needles from AcOH or Me₂CO. Mp: 218°. Sol in hot C₆H₆ and Py.

SYN: 1,5-DINITRONAPHTHALENE

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate MUREAV 91,321,81

uns-bac-esc 5 µg/tube EMMUEG 18,41,91

pic-esc 15,500 ng/well MUREAV 260,349,91

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: A suspected carcinogen. Mutation data reported. Mixtures with sulfur or sulfuric acid (used in commercial reactions) may explode if heated to 120°C. Initiation temperature depends on the quality of the dinitronaphthalene. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUX710 CAS: 602-38-0 HR: 3
1,8-DINITRONAPHTHALENE

mf: C₁₀H₆N₂O₄ mw: 218.18

SYN: NAPHTHALENE, 1,8-DINITRO-

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate MUREAV 91,321,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

DUX800 CAS: 605-69-6 HR: 3
2,4-DINITRO-1-NAPHTHOL

mf: C₁₀H₆N₂O₅ mw: 234.18

PROP: Yellow needles or leaflets from EtOH or CHCl₃. Mp: 140°, vap d: 8.08. Sltly sol in Et₂O, EtOH, C₆H₆, and H₂O.

SYNS: C.I. 10315 □ 2,4-DINITRO-1-NAFTOL □ 2,4 DINITRO-α-NAPHTOL □ 2,4 DINITRO-α-NAPHTOL (FRENCH) □ GOLDEN YELLOW □ MANCHESTER YELLOW □ MARITUS YELLOW □ NAPHTHOL YELLOW □ NAPHTHYLENE YELLOW □ SAFFRON YELLOW □ ZLUT MARCIOVA □ ZLUT NAFTOLOVA

TOXICITY DATA with REFERENCE:

mno-sat 3300 ng/plate ENMUDM 3,499,81

mno-sat 50 µg/plate GDIKAN 29,278,81

skn-hmn TDLo:50 mg/kg:SKN XPHBAO 271,187,41

ivn-mus LD50:180 mg/kg CSLNX* NX#03278

ivn-dog LDLo:13,300 µg/kg AIPTAK 35,63,28

scu-gpg LDLo:80 mg/kg HBTXAC 1,118,56

ipr-pgn LDLo:15 mg/kg HBTXAC 1,118,56

ivn-pgn LDLo:15 mg/kg AIPTAK 50,20,35

ims-pgn LD50:1850 µg/kg HBTXAC 1,118,56

scu-frg LDLo:60 mg/kg HBTXAC 1,118,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous, intramuscular, intravenous, and intraperitoneal routes. Human reproductive effects by skin contact: skin toxicity. Mutation data reported. For fire, disaster, and explosion hazards, see NITRATES.

DUY200 CAS: 266-56 HR: 3
2,6-DINITRO-4-PERCHLORYLPHENOL

mf: C₆H₃ClN₂O₈ mw: 266.56

SAFETY PROFILE: A very shock-sensitive explosive. An analog of picric acid. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PICRIC ACID and PERCHLORATES.

DUY225 CAS: 159092-67-8 HR: D
1,6-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 1,6-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

dnd-uns 100 µmol/tube MUREAV 349,137,1996

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

DUY230 CAS: 159092-69-0 HR: D
2,6-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 2,6-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

dnd-uns 100 µmol/tube MUREAV 349,137,1996

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

DUY232 CAS: 5047-01-8 HR: D
2,7-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 2,7-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 10 ng/plate MUREAV 209,67,1988

mic-sat 100 ng/plate MUREAV 394,103,1997

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

DUY235 CAS: 159092-72-5 HR: D
3,5-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 3,5-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

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

DUY240 CAS: 100527-20-6 HR: D
3,6-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 3,6-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

dnd-uns 100 µmol/tube MUREAV 349,137,1996

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

DUY245 CAS: 159092-71-4 HR: D
2,10-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 278.34

SYN: PHENANTHRENE, 2,10-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

dnd-uns 100 µmol/tube MUREAV 349,137,1996

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

DUY250 CAS: 159092-73-6 HR: D
3,10-DINITROPHENANTHRENE

mf: C₁₄H₈N₂O₄ mw: 268.24

SYN: PHENANTHRENE, 3,10-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate MUREAV 349,137,1996

dnd-uns 100 µmol/tube MUREAV 349,137,1996

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

DUY300 CAS: 105836-99-5 HR: D
1,7-DINITROPHENAZINE

mf: C₁₂H₆N₄O₄ mw: 270.22

SYN: PHENAZINE, 1,7-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 100 ng/plate MUREAV 225,75,1989

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

DUY400 CAS: 610-54-8 HR: 3
2,4-DINITROPHENETOLE

mf: C₈H₈N₂O₅ mw: 212.18

PROP: Crystals. Mp: 87°. Vap d: 7.32.

TOXICITY DATA with REFERENCE:

mno-sat 500 nmol/L ENMUDM 3,11,81

orl-rat LDLo:250 mg/kg NCNSA6 5,16,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DUY600 CAS: 25550-58-7 HR: 3
DINITROPHENOL

DOT: UN 0076/UN 1320/UN 1599

mf: C₆H₄N₂O₅ mw: 184.12

SYNS: DINITROPHENOL □ DINITROPHENOL, dry or wetted with <15% water, by weight (UN 0076) (DOT) □ DINITROPHENOL, wetted with not <15% water, by weight (UN 1320) (DOT) □ DINITROPHENOL SOLUTIONS (UN 1599) (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:30 mg/kg 28ZEAL 4,198,69

orl-dog LDLo:30 mg/kg JPETAB 49,187,33

scu-rbt LDLo:30 mg/kg JPETAB 49,187,33

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D, Poison (UN 076); DOT Class: 4.1;

Label: Flammable Solid, Poison (UN 1320); DOT Class:

6.1; Label: Poison (UN 1599)

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. An explosive and flammable solid. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DUY900 CAS: 66-56-8 HR: 3
2,3-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: Yellow needles or crystals. Mp: 144°, d: 1.681 @ 20°, vap d: 6.35. Sol in EtOH, Et₂O; sltly sol in H₂O.

SYNS: 2,3-DINITROFENOL □ 2,3-DINITROPHENOL

TOXICITY DATA with REFERENCE:

mno-sat 250 µg/plate SAIGBL 29,34,87

ipr-rat LD50:190 mg/kg JPPMAB 11,462,59

ipr-mus LD50:200 mg/kg JPPMAB 11,462,59

ipr-dog LDLo:1 g/kg JPPMAB 11,462,59

SAFETY PROFILE: Poison by intraperitoneal route. Inhalation of dust can be fatal. A skin irritant and an allergen. Mutation data reported. A powerful stimulant of the metabolism by excessive oxidation. For fire hazard, see NITRATES. Highly explosive when exposed to heat. It is used as a component of some shell and bomb charges. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS; and EXPLOSIVES, HIGH.

DUZ000 CAS: 51-28-5 HR: 3
2,4-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: Yellow crystals or plates from water. Mp: 113°, d: 1.683 @ 24°, vap d: 6.35. Sol in EtOH, Me₂CO, and C₆H₆; sltly sol in H₂O.

SYNS: ALDIFEN □ CHEMOX PE □ 2,4-DINITROFENOL (DUTCH) □ DINITROFENOLO (ITALIAN) □ α-DINITROPHENOL □ 2,4-DNP □ FENOXYL CARBON N □ 1-HYDROXY-2,4-DINITROBENZENE □ MAROXOL-50 □ NITRO KLEENUP □ NSC-1532 □ RCRA WASTE NUMBER P048 □ SOLFO BLACK B □ SOLFO BLACK BB □ SOLFO BLACK 2B SUPRA □ SOLFO BLACK G □ SOLFO BLACK SB □ TERTROSULPHUR BLACK PB □ TERTROSULPHUR PBR

TOXICITY DATA with REFERENCE:

skn-rbt 300 mg/4W-I MLD JIHTAB 30,10,48

oms-ofs:oth 100 µmol/L AEEXAH (3),279,72

cyt-mus-ipr 10 g/kg IJMRAQ 59,1442,71

orl-hmn LDLo:36 mg/kg:BAH,CVS JAMAAP 101,1333,33

orl-rat LD50:30 mg/kg TXAPA9 21,315,72

ipr-rat LD50:20 mg/kg JPPMAB 17,814,65

scu-rat LD50:25 mg/kg JPETAB 49,187,33

orl-mus LD50:45 mg/kg FATOAO 28,493,65

ipr-mus LD50:26 mg/kg BCPA6 18,1389,69

orl-dog LDLo:30 mg/kg JPETAB 49,187,33

ihl-dog LCLo:300 mg/m³/30M 85GMAT -,62,82

scu-gpg LDLo:25 mg/kg AEPPAE 192,331,39

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

SAFETY PROFILE: A deadly human poison by ingestion. An experimental poison by ingestion, inhalation, intravenous, intraperitoneal, subcutaneous, and intramuscular routes. Moderately toxic by skin contact.

Experimental teratogenic and reproductive effects. Human systemic effects: body temperature increase, change in heart rate, coma. A skin irritant. Mutation data reported. Phytotoxic. A pesticide. An explosive. Forms explosive salts with alkalis and ammonia. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DVA000 CAS: 329-71-5 HR: 3
2,5-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: Yellow crystals or needles. Mp: 108°. Sltly sol in cold water and alc; sol in hot alc, ether, and alkali hydroxides.

SYNS: γ-DINITROPHENOL □ 2,5-DNP

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate SAIGBL 29,34,87

ipr-rat LD50:150 mg/kg JPPMAB 11,462,59

ipr-mus LD50:273 mg/kg JPPMAB 11,462,59

ipr-dog LDLo:100 mg/kg JPPMAB 11,462,59

SAFETY PROFILE: A poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROPHENOL.

DVA200 CAS: 573-56-8 HR: 3
2,6-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: Yellow crystals from water. Mp: 63°, vap d: 6.35. Sltly sol in cold water, alc. Very sol in chloroform, ether or boiling alc; also sol in fixed alkali solns.

SYNS: β-DINITROPHENOL □ 2,6-DINITROFENOL

TOXICITY DATA with REFERENCE:

ipr-rat LD50:38 mg/kg JPPMAB 11,462,59

ipr-mus LD50:45 mg/kg JPPMAB 11,462,59

ipr-dog LDLo:50 mg/kg JPPMAB 11,462,59

ims-pgn LDLo:40 mg/kg JPETAB 49,187,33

SAFETY PROFILE: Poison by intramuscular route. Moderately explosive when exposed to heat. See also 2,4-DINITROPHENOL.

DVA400 CAS: 577-71-9 HR: 3
3,4-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: Yellowish needles from H₂O. Mp: 134°. Sol in EtOH and Et₂O; sltly sol in H₂O.

SYN: 3,4-DINITROFENOL

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate SAIGBL 29,34,87

ipr-rat LD50:98 mg/kg JPPMAB 11,462,59

ipr-mus LD50:112 mg/kg JPPMAB 11,462,59

ipr-dog LDLo:500 mg/kg JPPMAB 11,462,59

SAFETY PROFILE: A poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROPHENOL.

DVA600 CAS: 586-11-8 HR: 3
3,5-DINITROPHENOL

mf: C₆H₄N₂O₅ mw: 184.12

PROP: A solid. Mp: 126°.

TOXICITY DATA with REFERENCE:

unk-rat LD50:45 mg/kg JPPMAB 11,462,59

unk-mus LD50:50 mg/kg JPPMAB 11,462,59

unk-dog LDLo:500 mg/kg JPPMAB 11,462,59

SAFETY PROFILE: A poison by unspecified routes. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROPHENOL.

DVA800 CAS: 1011-73-0 HR: 3
2,4-DINITROPHENOL SODIUM SALT

mf: C₆H₃N₂O₅•Na mw: 206.10

SYNS: SODIUM-2,4-DINITROPHENOL □ SODIUM-2,4-DINITROPHENOLATE □ SODIUM DNP

TOXICITY DATA with REFERENCE:

scu-rat LDLo:10 mg/kg JPETAB 48,410,33

scu-mus LD50:50 mg/kg NYKZAU 56,23,60

scu-dog LDLo:25 mg/kg JPETAB 48,410,33

ivn-dog LDLo:20 mg/kg AIPTAK 50,20,35

ivn-pgn LDLo:15 mg/kg AIPTAK 50,20,35

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Na₂O. See also 2,4-DINITROPHENOL.

DVB200 HR: 2
2,4-DINITROPHENYLACETYL CHLORIDE

mf: C₈H₅ClN₂O₅ mw: 244.60

SAFETY PROFILE: Potentially explosive when heated. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DVB800 CAS: 3468-63-1 HR: D
1-((2,4-DINITROPHENYL)AZO)-2-NAPHTHOL

mf: C₁₆H₁₀N₄O₅ mw: 338.30

SYNS: BRILLIANT TANGERINE 13030 □ CALCOTONE ORANGE 2R □ CARNELIO RED 2G □ CHROMATEX ORANGE R □ C.I. 12075 □ C.I. PIGMENT ORANGE 5 □ DAINICHI PERMANENT RED GG □ D&C ORANGE No. 17 □ DINITR-ANILINE ORANGE □ DINITROANILINE ORANGE ND-204 □ DINITROANILINE RED □ FASTOAN RED 2G □ GRAPHOTOL RED 2GL □ HANSA ORANGE RN □ HELIO FAST ORANGE RN □ IRGALITE FAST RED 2GL □ ISOL FAST RED 2G □ LAKE RED 2GL □ LIGHT ORANGE R □ LUTETIA FAST ORANGE R □ MONOLITE FAST ORANGE R □ NIPPON ORANGE X-881 □ ORALITH RED 2GL □ ORANGE No. 203 □ ORANGE PIGMENT X □ PERMANENT ORANGE □ PERMATONE ORANGE □ PIGMENT FAST ORANGE □ SEGNALE LIGHT ORANGE RNG □ SIGNAL ORANGE ORANGE Y-17 □ SILOPOL ORANGE R □ SYTON FAST RED 2G □ TERTROPIGMENT ORANGE LRN □ VERSAL ORANGE RNL

TOXICITY DATA with REFERENCE:

mno-sat 5 µg/plate ESKGA2 29,212,83

mma-sat 50 µg/plate MUREAV 66,181,79

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

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

DVB820 CAS: 584-48-5 HR: D**2,4-DINITROPHENYL BROMIDE**mf: $C_6H_3BrN_2O_4$ mw: 247.02**SYNS:** BENZENE, 1-BROMO-2,4-DINITRO- □ 1-BROMO-2,4-DINITROBENZENE □ 2,4-DINITROBROMOBENZENE □ o,p-DINITROPHENYL BROMIDE**TOXICITY DATA with REFERENCE:**mic-sat 5 $\mu\text{mol/L}$ MUREAV 176,171,1987**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Br^- .**DVB850 CAS: 89-37-2 HR: 3****2,4-DINITROPHENYL-DIMETHYLDITHIO-CARBAMATE**mf: $C_9H_9N_3O_4S_2$ mw: 287.33**SYNS:** CARBAMIC ACID, DIMETHYLDITHIO-, 2,4-DINITRO-PHENYL ESTER □ USAF SN-31**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 vapors of NO_x and SO_x .**DVC200 CAS: 2600-55-7 HR: 3****2,4-DINITROPHENYL-2,4-DINITRO-6-sec-BUTYLPHENYL CARBONATE**mf: $C_{17}H_{14}N_4O_{11}$ mw: 450.35**SYNS:** B 377 □ CARBONIC ACID-2-sec-BUTYL-4,6-DINITROPHENYL-2,4-DINITROPHENYL ESTER (8CI) □ TRIBONATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:108 mg/kg WRPCA2 7,135,68

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DVC300 CAS: 1945-92-2 HR: D****N-2,4-DINITROPHENYLETHANOLAMINE**mf: $C_8H_9N_3O_5$ mw: 227.20**SYNS:** 2-(2,4-DINITROANILINO)ETHANOL □ ETHANOL, 2-(2,4-DINITROANILINO)- □ ETHANOL, 2-((2,4-DINITRO-PHENYL)AMINO)-**TOXICITY DATA with REFERENCE:**

cyt-rat-ipr 100 mg/kg BJPCAL 6,357,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x .**DVC400 CAS: 119-26-6 HR: 3****2,4-DINITROPHENYLHYDRAZINE**mf: $C_6H_6N_4O_4$ mw: 198.16**PROP:** Blue-red crystalline powder with violet fluorescence. Mp: 198° (decomp). Sltly sol in water and alcohol.**SYNS:** 2,4-DINITROFENYLHYDRAZIN (CZECH) □ 2,4-DNPH**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg/24H MOD 28ZPAK -,132,72

mmo-sat 5 $\mu\text{mol/L}$ ENMUDM 3,11,81mma-sat 1 $\mu\text{mol/plate}$ MUREAV 58,11,78

mmo-omi 6 mg/L MUREAV 173,233,86

dnd-mus-ipr 1900 $\mu\text{mol/kg}$ CNREA8 41,1469,81

orl-rat LD50:654 mg/kg 28ZPAK -,132,72

ipr-mus LD50:450 mg/kg CNREA8 41,1469,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. An eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also HYDRAZINE. A dangerous explosive.**DVC600 CAS: 17508-17-7 HR: 3****2,4-DINITROPHENYLHYDRAZINIUMPER-CHLORATE**mf: $C_6H_7ClN_4O_8$ mw: 219.48**SAFETY PROFILE:** Explosive decomposition may occur during concentration by evaporation. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DVC700 CAS: 17508-17-7 HR: 3****o-(2,4-DINITROPHENYL)HYDROXYLAMINE**mf: $C_6H_5N_3O_5$ mw: 199.12**PROP:** Pale-yellow needles from EtOH. Mp: 112–113°.**SAFETY PROFILE:** Potentially explosive reaction with potassium hydride in THF solution. When heated to decomposition it emits toxic fumes of NO_x . See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.**DVC800 CAS: 63732-56-9 HR: 3****2,4-DINITROPHENYLMORPHINE HYDROCHLORIDE**mf: $C_{23}H_{21}N_3O_7 \cdot \text{ClH}$ mw: 487.93**SYN:** 2,4-DINITROPHENYL ETHER of MORPHINE**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:40 mg/kg UCPHAQ 1,59,38

ipr-mus LDLo:300 mg/kg UCPHAQ 1,59,38

scu-mus LD50:700 mg/kg JPETAB 67,127,39

scu-rbt LDLo:100 mg/kg UCPHAQ 1,59,38

ivn-rbt LDLo:3 mg/kg UCPHAQ 1,59,38

par-frg LDLo:2000 mg/kg UCPHAQ 1,59,38

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by parenteral route. When heated to decomposition it emits very toxic fumes of HCl and NO_x . See also MORPHINE and ETHERS.**DVD000 CAS: 2736-80-3 HR: 3****2,2-DINITRO-1,3-PROPANEDIOL**mf: $C_3H_6N_2O_6$ mw: 166.11**PROP:** A solid. Mp: 140–142°.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:76 mg/kg KHFZAN 11(1),73,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DVD200 CAS: 918-52-5 HR: 3
2,2-DINITROPROPANOL**

mf: C₃H₆N₂O₅ mw: 150.11

SYNS: 2,2-DINITRO-1-PROPANOL □ DNPOH □ NPOH

TOXICITY DATA with REFERENCE:

ipr-mus LD50:280 mg/kg KHfZAN 11(1),73,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DVD300 CAS: 78432-19-6 HR: D
DINITROPYRENE**

mf: C₁₆H₈N₂O₄ mw: 292.26

SYN: PYRENE, DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 100 ng/plate GDIKAN 29,278,1981

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

**DVD400 CAS: 75321-20-9 HR: 3
1,3-DINITROPYRENE**

mf: C₁₆H₈N₂O₄ mw: 292.26

PROP: Light-brown needles from C₆H₆/MeOH. Mp: 274–276°.

SYN: DINITROPYRENE

TOXICITY DATA with REFERENCE:

mno-esc 80 ng/plate MUREAV 142,163,85

msc-ham:lng 2500 µg/L CRNGDP 3,917,82

msc-ham:ovr 500 µg/L MUREAV 119,387,83

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 46,201,89; Animal Limited Evidence IMEMDT 46,201,89; Human No Adequate Data IMEMDT 46,201,89.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

**DVD600 CAS: 42397-64-8 HR: 3
1,6-DINITROPYRENE**

mf: C₁₆H₈N₂O₄ mw: 292.26

PROP: Light-brown needles from C₆H₆/MeOH.

SYN: DINITROPYRENE

TOXICITY DATA with REFERENCE:

mno-sat 600 pg/plate JJIND8 73,1359,84

dns-hmn:oth 500 nmol/L TXAPA9 79,28,85

dns-hmn:lvr 80 nmol/L ENMUDM 5,488,83

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 46,215,89; Animal Sufficient Evidence IMEMDT

46,215,89; Human No Adequate Data IMEMDT 46,215,89.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

**DVD800 CAS: 42397-65-9 HR: 3
1,8-DINITROPYRENE**

mf: C₁₆H₈N₂O₄ mw: 292.26

PROP: Light-brown needles from C₆H₆/MeOH.

SYN: DINITROPYRENE

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate SCIEAS 209,1039,80

mma-sat 1 µg/plate MUREAV 91,321,81

msc-hmn:lym 100 µg/L ENMUDM 5,457,83

msc-mus:lym 500 µg/L EVSRBT 25,397,82

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 46,231,89; Animal Sufficient Evidence IMEMDT 46,231,89; Human No Adequate Data IMEMDT 46,231,89.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

**DVD900 CAS: 117929-15-4 HR: 2
2,7-DINITROPYRENE**

mf: C₁₆H₈N₂O₄ mw: 292.26

SYN: PYRENE, 2,7-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 1 ng/plate MUREAV 209,67,1988

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

**DVE000 CAS: 1596-52-7 HR: 2
4,6-DINITROQUINOLINE-1-OXIDE**

mf: C₉H₅N₃O₅ mw: 235.17

TOXICITY DATA with REFERENCE:

cyt-omi 170 µmol/L GANNA2 60,155,69

mno-smc 100 mg/L IGSBAL 85,127,72

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

**DVE200 CAS: 13442-17-6 HR: 2
4,7-DINITROQUINOLINE-1-OXIDE**

mf: C₉H₅N₃O₅ mw: 235.17

TOXICITY DATA with REFERENCE:

skn-mus TDLo:300 mg/kg/25W-I:NEO GANNA2 60,523,69

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

DVE260 CAS: 105-12-4 HR: 3
p-DINITROSOBENZENE

mf: C₆H₄N₂O₂ mw: 136.12

SYNS: BENZENE, p-DINITROSO- □ BENZENE, 1,4-DINITROSO-(9CI) □ 1,4-DINITROSOBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1020 mg/kg KCRZAE (11),38,85

ihl-rat LCLo:200 mg/m³/2H KCRZAE (11),38,85

orl-mus LD50:1230 mg/kg KCRZAE (11),38,85

ihl-mus LCLo:200 mg/m³/2H KCRZAE (11),38,85

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 NO_x.

DVE300 CAS: 82038-92-4 HR: D
DINITROSOCIMETIDINE

mf: C₁₀H₁₆N₈O₂S mw: 312.40

TOXICITY DATA with REFERENCE:

mno-sat 200 µg/plate CRNGDP 2,261,81

cyt-ham:ovr 2600 nmol/L/2H CRNGDP 2,261,81

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also N-NITROSO COMPOUNDS.

DVE400 CAS: 13256-12-7 HR: 3
N,N'-DINITROSO-N,N'-DIMETHYLETHYLENEDIAMINE

mf: C₄H₁₀N₄O₂ mw: 146.18

SYNS: DIMETHYL-DI-NITROSO-AETHYLENEDIAMINE (GERMAN) □ DIMETHYLDINITROSOETHYLENEDIAMINE □ N,N'-DIMETHYL-N,N'-DINITROSOETHYLENEDIAMINE

TOXICITY DATA with REFERENCE:

mno-omi 5000 ppm/24H-C SOGEBZ 10,522,74

orl-rat LD50:125 mg/kg GISAAA 39(9),80,74

orl-mus LD50:250 mg/kg GISAAA 39(9),80,74

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DVE600 CAS: 55557-00-1 HR: 2
DINITROSOHOMOPIPERAZINE

mf: C₅H₁₀N₄O₂ mw: 158.19

SYN: HEXAHYDRO-1,4-DINITROSO-1H-1,4-DIAZEPINE

TOXICITY DATA with REFERENCE:

mno-sat 1 µg/plate MUREAV 51,319,78

mno-esc 16,700 µmol/L CNREA8 36,4099,76

msc-ham:ovr 5 µmol/L TCMUE9 1,129,84

msc-ham:ovr 5 µmol/L TCMUE9 1,129,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation

data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DVF000 CAS: 15973-99-6 HR: 3
DI(N-NITROSO)-PERHYDROPYRIMIDINE

mf: C₄H₈N₄O₂ mw: 144.16

PROP: A solid. Mp: 61–63°.

TOXICITY DATA with REFERENCE:

ipr-rat LD50:300 mg/kg CALEDQ 6,57,79

SAFETY PROFILE: Poison by intraperitoneal route.

Questionable carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DVF200 CAS: 140-79-4 HR: 3
DINITROSOPIPERAZINE

mf: C₄H₈N₄O₂ mw: 144.16

PROP: White or cream colored crystals. Mp: 158°, vap d: 4.97.

SYNS: DINITROSOPIPERAZIN (GERMAN) □ N,N'-DINITROSOPIPERAZINE □ 1,4-DINITROSOPIPERAZINE □ DNPZ □ NSC-339 □ USAF DO-36

TOXICITY DATA with REFERENCE:

mno-smc 50 µmol/plate MUREAV 77,143,80

sce-hmn:lym 10 mmol/L TCMUE9 1,129,84

orl-mus TDLo:140 mg/kg (15-21D preg):CAR,TER CNREA8 40,2925,80

orl-rat LD50:160 mg/kg ZEKBAI 69,103,67

scu-rat LD50:160 mg/kg ZEKBAI 69,103,67

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

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

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by ingestion, subcutaneous, and intraperitoneal routes. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DVF300 CAS: 118-02-5 HR: 3
2,4-DINITROSO-m-RESORCINOL

mf: C₆H₄N₂O₄ mw: 168.12

SYNS: BENZENE-1,3-DIOL, 2,4-DINITROSO- □ 2,4-

DINITRORESORCINOL (heavy metal salts of) (dry) (DOT) □ RESORCINOL, 2,4-DINITROSO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg JPETAB 119,522,57

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: A poison by intraperitoneal route. An unstable substance forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x.

DVF400 CAS: 101-25-7 HR: 3
3,7-DINITROSO-1,3,5,7-TETRAAZABI-CYCLO[3.3.1]NONANE

DOT: UN 2972

mf: C₅H₁₀N₆O₂ mw: 186.18

SYNS: ACETO DNPT 40 □ ACETO DNPT 80 □ ACETO DNPT 100 □ CHKHZ 18 □ DINITROSOPENTAMETHYLENE-TETRAMINE □ N,N-DINITROSOPENTAMETHYLENETETRAMINE □ N¹,N³-DINITROSOPENTAMETHYLENETETRAMINE □ 3,4-DI-N-NITROSOPENTAMETHYLENETETRAMINE □ 3,7-DI-N-NITROSOPENTAMETHYLENETETRAMINE □ DNPMT □ DNPT □ 1,5-METHYLENE-3,7-DINITROSO-1,3,5,7-TETRAAZACYCLOOCTAINE □ 1,5-METHYLENE-3,7-DINITROSO-1,3,5,7-TETRAAZACYCLOOCTANE □ POROPOR CHKHC-18 □ POROPOR B □ UNICEL-ND □ UNICEL NDX □ VULCABEL B-40 □ VULCABEL BN

TOXICITY DATA with REFERENCE:

mmo-sat 500 µg/plate PMRSDJ 1,302,81
pic-esc 100 mg/L PMRSDJ 1,224,81
dnd-bcs 2 mg/disc PMRSDJ 1,175,81
sce-ham:ovr 80 mg/L PMRSDJ 1,538,81
otr-ham:kdy 73,500 µg/L PMRSDJ 1,626,81
orl-rat LD50:940 mg/kg MELAAD 58,22,67
ipr-rat LD50:220 mg/kg MELAAD 58,22,67
scu-rat LD50:220 mg/kg APACAB 28,209,65
ipr-mus LD50:130 mg/kg APACAB 28,209,65
scu-mus LD50:140 mg/kg APACAB 28,209,65
ivn-mus LD50:120 mg/kg APACAB 28,209,65
ivn-rbt LD50:130 mg/kg APACAB 28,209,65

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal No Evidence IMEMDT 11,241,76. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DOT CLASSIFICATION: 4.1; Label: Flammable Solid, EXPLOSIVE

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by ingestion. Questionable carcinogen. Mutation data reported. Can ignite when handled and burns very rapidly. Many N-nitroso compounds are carcinogens. A blowing agent. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

DVF600 CAS: 128-42-7 HR: 2
4,4'-DINITRO-2,2'-STILBENEDISULFONIC ACID

mf: C₁₄H₁₀N₂O₁₀S₂ mw: 430.38

PROP: Yellow paste or brownish crystals.

SYNS: DINITROSTILBENEDISULFONIC ACID □ KYSELINA-4,4'-DINITROSTILBEN-2,2'-DISULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,194,72
eye-rbt 500 mg/24H SEV 28ZPAK -,194,72
orl-rat LD50:12,600 mg/kg 85JCAE -,1062,86
orl-mus LD50:47 g/kg GISAAA 45(3),73,80
orl-rbt LD50:30 g/kg GISAAA 45(3),73,80
orl-gpg LD50:71 g/kg GISAAA 45(3),73,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Very low toxicity by ingestion. A skin and severe eye irritant. Can react vigorously with reducing materials. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

DVF800 CAS: 1594-56-5 HR: 3
2,4-DINITRO-1-THIOCYANOBENZENE

mf: C₇H₃N₃O₄S mw: 225.19

SYNS: 2,4-DINITROPHENYL THIOCYANATE □ 2,4-DINITRO-RHODANBENZOL (GERMAN) □ 2,4-DINITROTHIOCYANATOBENZENE □ 2,4-DINITROTHIOCYANOBENZENE □ DNRB □ DNTB □ DRB □ GRYZBOL □ GRZYBOL □ NBT □ NIRIT □ NITRITE □ RHODANDINITROBENZOL □ RODATOX 60 □ TRIRODAZEEN □ TRI-RODAZENE □ 2317-W

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate MUREAV 40,19,76
hma-ofs/sat 450 µg/L CALEDQ 19,147,83
ipr-rat LDLo:30 mg/kg ARZNAD 16,870,66
orl-mus LD50:2750 mg/kg FMCHA2 -,D219,80
ipr-mus LDLo:30 mg/kg ARZNAD 21,121,71
orl-gpg LD50:1650 mg/kg 85GMAT -,62,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Community Right-To-Know List.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, CN⁻, and SO_x. See also CYANIDE.

DVG000 CAS: 5347-12-6 HR: 3
2,4-DINITROTHIOPHENE

mf: C₄H₂N₂O₄S mw: 174.14

PROP: Leaflets from EtOH. Mp: 56°.

TOXICITY DATA with REFERENCE:

mmo-sat 50 µmol/L MUREAV 118,153,83
mmo-klp 500 µmol/L MUREAV 118,153,83
ipr-mus LDLo:1 mg/kg HBTXAC 5,171,59
ivn-mus LD50:32 mg/kg CBCCT* 6,143,54
par-mus LDLo:40 mg/kg CBCCT* 7,695,55

SAFETY PROFILE: Poison by intraperitoneal, intravenous, and parenteral routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also NITRO COMPOUNDS.

DVG200 CAS: 303-21-9 HR: 3
2,6-DINITROTHYMOL

mf: C₁₀H₁₂N₂O₅ mw: 240.24

PROP: Yellow prisms from pet ether. Mp: 55°. Very sol in Me₂CO and EtOH; sol in alkalies; sltly sol in H₂O.

SYNS: 2,4-DINITRO-6-ISOBROPYL-m-CRESOL □ DINITROTHYMOL 1-2-4 (FRENCH)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:100 mg/kg NCNSA6 5,36,53
orl-mus TDLo:140 mg/kg AECTCV 14,111,85
ivn-dog LD50:15 mg/kg AIPTAK 50,20,35
ipl-pgn LD50:10 mg/kg AIPTAK 50,20,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intravenous, and implant routes. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DVG600 CAS: 25321-14-6 HR: 3
DINITROTOLUENE

DOT: UN 2038

mf: C₇H₆N₂O₄ mw: 182.15

PROP: IDLH 50 mg/m³.

SYNS: BENZENE, METHYLDINITRO- □ DINITROPHENYL-METHANE □ DINITROTOLUENES, liquid or solid (DOT) □ METHYLDINITROBENZENE □ TOLUENE, ar,ar-DINITRO-

TOXICITY DATA with REFERENCE:

dns-rat-ori 100 mg/kg CRNGDP 3,241,82

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

OSHA PEL: TWA 1.5 mg/m³ (skin)

ACGIH TLV: TWA 0.2 mg/m³ (skin); Animal Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic and teratogenic data. A poison. Experimental reproductive effects. Mutation data reported. Flammable. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE.

DVG800 CAS: 602-01-7 HR: 2
2,3-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: Needles from pet ether. Mp: 63°.

SYNS: 2,3-DNT □ 1-METHYL-2,3-DINITRO-BENZENE (9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-B011-150

mmo-sat 50 µg/plate ENMUDM 4,163,82

mma-sat 1 mg/plate NTIS** AD-A080-146

dnd-rat:ivr 300 µmol/L SinJF# 26OCT82

ori-rat LD50:911 mg/kg NTIS** AD-A080-146

ori-mus LD50:1072 mg/kg NTIS** PB214-270

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE.

DVH000 CAS: 121-14-2 HR: 3
2,4-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: Yellow needles from CS₂. Mp: 69.5°, bp: 300°, d: 1.521 @ 15°, vap d: 6.27, flash p: 404°F.

SYNS: 2,4-DINITROTOLUOL □ DNT □ 2,4-DNT □ 1-METHYL-2,4-DINITROBENZENE □ NCI-C01865 □ RCRA WASTE NUMBER U105

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-B011-150

mma-sat 125 µg/plate ENMUDM 7(Suppl 5),1,85

dnd-rat:ivr 3 mmol/L SinJF# 26OCT82

oms-rat-ori 10 mg/kg JTEHD6 11,555,83

mmo-sat 10 µg/plate NTIS** AD-A080-146

cyt-mus-ori 840 µg/kg MUREAV 38,387,76

dlt-mus-ori 2 mg/kg MUREAV 38,387,76

ori-rat LD50:268 mg/kg NTIS** PB214-270

ori-mus LD50:790 mg/kg GTPZAB 25(8),50,81

scu-cat LDLo:25 mg/kg XPHBAO 271,110,41

ori-gpg LD50:1300 mg/kg GISAAA 42(10),12,77

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (feed); No Evidence: mouse NCITR* NCI-CG-TR-54,78; Some Evidence: rat NCITR* NCI-CG-TR-54,78. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and neoplastigenic data. Poison by ingestion and subcutaneous routes. Experimental reproductive effects. A skin irritant. Mutation data reported. An irritant and an allergen. Can cause anemia, methemoglobinemia, cyanosis, and liver damage. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use water spray or mist, dry chemical. Decomposes when heated to 250°C. There are instances of explosion during manufacture or storage. Mixture with nitric acid is a high explosive. Mixture with sodium carbonate can decompose with significant pressure increase at 210°C. Mixtures with other alkalis may have the same effect. Ignites on contact with sodium oxide. When heated to decomposition it emits toxic fumes of NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #44.

DVH200 CAS: 619-15-8 HR: 2
2,5-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: Needles from EtOH. Mp: 52.5°.

SYNS: 2,5-DNT □ 2-METHYL-1,4-DINITROBENZENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD NTIS** AD-B011-150

mmo-sat 10 µg/plate NTIS** AD-A080-146

ori-rat LD50:517 mg/kg NTIS** AD-A080-146

ori-mus LD50:652 mg/kg NTIS** AD-A080-146

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE.

DVH400 CAS: 606-20-2 HR: 3
2,6-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: Needles from EtOH. Mp: 66°.

SYNS: 2,6-DNT □ 2-METHYL-1,3-DINITROBENZENE □ RCRA WASTE NUMBER U106

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-B011-150

dnd-rat-ori 10 mg/kg JTEHD6 11,555,83

dns-rat-ori 5 mg/kg CRNGDP 3,241,82

ori-rat LD50:177 mg/kg NTIS** PB214-270

ori-mus LD50:621 mg/kg NTIS** AD-A080-146

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

SAFETY PROFILE: Poison by ingestion. A skin irritant. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE.

DVH600 CAS: 610-39-9 HR: 2
3,4-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: A solid. Mp: 61°.

SYNS: 3,4-DNT □ 4-METHYL-1,2-DINITROBENZENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** AD-B011-150

mno-sat 1 mg/plate NTIS** AD-A080-146

mma-sat 10 µg/plate ENMUDM 4,163,82

dnd-rat:ivr 300 µmol/L SinJF# 260OCT82

orl-rat LD50:807 mg/kg NTIS** AD-A080-146

orl-mus LD50:747 mg/kg NTIS** AD-A080-146

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene) Reduce to lowest level

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE.

DVH800 CAS: 618-85-9 HR: 3
3,5-DINITROTOLUENE

mf: C₇H₆N₂O₄ mw: 182.15

PROP: Needles from AcOH. Mp: 93°.

SYNS: 3,5-DNT □ 1-METHYL-3,5-DINITRO-BENZENE

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate NTIS** AD-A080-146

orl-rat LD50:216 mg/kg NTIS** AD-A080-146

orl-mus LD50:607 mg/kg NTIS** AD-A080-146

OSHA PEL: TWA 1.5 mg/m³ (skin)

NIOSH REL: (Dinitrotoluene): Reduce to lowest level

SAFETY PROFILE: Poison by ingestion. Mutation data reported. Flammable when exposed to heat or flame; can react with oxidizing materials. A moderate explosion hazard when exposed to heat. To fight fire, use water, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also 2,4-DINITROTOLUENE; EXPLOSIVES, HIGH; and NITRATES.

DVI100 CAS: 6393-42-6 HR: 3
2,6-DINITRO-p-TOLUIDINE

mf: C₇H₇N₃O₄ mw: 197.17

PROP: Yellow crystals from EtOH. Mp: 171–172°.

SYNS: 4-AMINO-3,5-DINITROTOLUENE □ 2,6-DINITRO-4-METHYLANILINE □ 4-METHYL-2,6-DINITROANILINE □ 4-METHYL-2,6-DINITROBENZENAMINE

TOXICITY DATA with REFERENCE:

mno-sat 1 µg/plate ENMUDM 4,163,82

ivn-mus LD50:320 mg/kg CSLNX* NX#03362

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DVI600 CAS: 6379-46-0 HR: 2
4,6-DINITRO-1,2,3-TRICHLOROBENZENE

mf: C₆HCl₃N₂O₄ mw: 271.44

PROP: Greenish-yellow needles from EtOH. Mp: 98°

SYNS: 1,2,3-TRICHLORO-4,6-DINITROBENZENE □ VANCIDE PB

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DVI800 CAS: 8069-76-9 HR: 2
DINOCTON-O

mf: C₁₆H₂₂N₂O₇ mw: 354.40

PROP: A mixture of methyl-2,4-dinitro-6-(1-ethylhexyl)phenyl carbonate and methyl-2,4-dinitro-6-(1-propylpentyl)phenyl carbonate (30ZDA9 -,100,71).

SYNS: DINOCTON-6 □ MC 1945

TOXICITY DATA with REFERENCE:

orl-rat LD50:1250 mg/kg 28ZEAL 5,82,76

skn-rat LD50:3000 mg/kg 31ZOAD 1,176,68

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

DVJ000 CAS: 84-76-4 HR: 2
DI-n-NONYL PHTHALATE

mf: C₂₆H₄₂O₄ mw: 418.68

PROP: Oil.

SYNS: BISOFLEX 91 □ DINONYL-1,2-BENZENEDICARBOXYLATE □ DIONONYL PHTHALATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:21,500 mg/kg GTPZAB 24(3),25,80

orl-gpg LD50:21,500 mg/kg GTPZAB 24(3),25,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Used as a plasticizer. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DVJ100 CAS: 33854-16-9 HR: 3
DINOPROST METHYL ESTER

mf: C₂₁H₃₆O₅ mw: 368.57

SYNS: PGF₂ METHYL ESTER □ PGF₂-α METHYL ESTER □ PROSTAGLANDIN F₂-α METHYL ESTER □ (5Z,9-α,11-α,13E,15S)-9,11,15-TRIHIDROXY-PROSTA-5,13-DIEN-1-OIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

ivg-wmn TDLo:80 µg/kg/GIT JOPDAB 102,620,83

SAFETY PROFILE: A human teratogen by intravaginal route with developmental abnormalities of the central nervous system and musculoskeletal system. Human systemic effects by intravaginal route: nausea or vomiting. Experimental reproductive effects. See also ESTERS.

DVJ200 CAS: 363-24-6 HR: 3
DINOPROSTONE

mf: C₂₀H₃₂O₅ mw: 352.52

PROP: Crystals. Mp: 66–68°.

SYNS: (5Z,11- α ,13E,15S)-11,15-DIHYDROXY-9-OXOPROSTA-5,13-DIEN-1-OIC ACID \square 7-(3-HYDROXY-2-(3-HYDROXY-1-OCTENYL)-5-OXOCYCLOPENTYL)-5-HEPTENOIC ACID \square PGE2 \square PROSTAGLANDIN E2 \square (-)-PROSTAGLANDIN E2 \square (15S)-PROSTAGLANDIN E2 \square PROSTIN E2 \square U-12062

TOXICITY DATA with REFERENCE:

oms-mus:oth 100 nmol/L JIDEAE 66,313,76

spm-mus-ipr 3 mg/kg INJFA3 21,82,76

dns-gpg:lmg 1 mg/L PSEBAA 171,109,82

orl-rat LD50:500 mg/kg OYAA2 8,787,74

scu-rat LD50:31,600 μ g/kg OYAA2 8,787,74

ivn-rat LD50:59,500 μ g/kg OYAA2 8,787,74

orl-mus LD50:750 mg/kg OYAA2 8,787,74

scu-mus LD50:19,700 μ g/kg OYAA2 8,787,74

ivn-mus LD50:23,200 μ g/kg OYAA2 8,787,74

ipr-ham LD50:1 mg/kg PLMEDD 17,309,85

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Human reproductive effects by intravenous, intraplacental, and intravaginal routes: changes in the uterus, cervix and vagina; termination of pregnancy; and changes in fertility. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

DVJ400 CAS: 3204-27-1 HR: 3

DINOTERB ACETATE

mf: $C_{12}H_{14}N_2O_6$ mw: 282.28

SYNS: 2-tert-BUTYL-4,6-DINITROPHENYL ACETATE \square 2-(1,1-DIMETHYLETHYL)-4,6-DINITROPHENOL ACETATE \square MC 1108 \square P-1108

TOXICITY DATA with REFERENCE:

orl-rat LD50:62 mg/kg WRPCA2 9,119,70

orl-rbt LD50:100 mg/kg 28ZEAL 5,83,76

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x . See also 2-(1,1-DIMETHYLETHYL)-4,6-DINITROPHENOL (dinoterb).

DVJ500 CAS: 8015-43-8 HR: 3

DIOCIDE

mf: $C_{21}H_{38}N \cdot C_2H_5ClHgO \cdot Br$ mw: 665.62

PROP: IDLH 10 mg/ m^3 (as Hg).

SYNS: DIOCID \square 1-HEXADECYL-PYRIDINIUM BROMIDE mixture with CHLORO(2-HYDROXYETHYL)MERCURY

TOXICITY DATA with REFERENCE:

orl-rat LD50:172 mg/kg PCJOAU 11,918,77

ipr-rat LD50:21,700 mg/kg PCJOAU 11,918,77

orl-mus LD50:54 mg/kg PCJOAU 11,918,77

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

OSHA PEL: TWA 0.01 mg(Hg)/ m^3 ; STEL 0.03 mg/ m^3 (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/ m^3 ; BEI: 35 μ g/g creatinine total inorganic mercury in urine preshift; 15 μ g/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Aryl and Inorganic) CL 0.1 mg/ m^3 (skin)

SAFETY PROFILE: Poison by ingestion. Mildly toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of Br^- , Cl^- , NO_x , and Hg. See also MERCURY COMPOUNDS.

DVJ600 CAS: 1120-48-5 HR: 3

DIOCTYLAMINE

mf: $C_{16}H_{35}N$ mw: 241.52

PROP: A liquid. Mp: 14–15°, bp: 297–298°.

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:4 mg/kg CBCCT* 2,133,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVJ800 CAS: 3648-18-8 HR: 3

DIOCTYLDI(LAUROYLOXY)STANNANE

mf: $C_{40}H_{80}O_4Sn$ mw: 743.89

SYNS: BIS(DODECANOXY)DIOCTYLSTANNANE \square BIS(LAUROYLOXY)DIOCTYLSTANNANE \square DIDODECANOYL-OXYDIOCTYLSTANNANE \square DIOCTYLBIS(LAUROYLOXY)-STANNANE \square DIOCTYLDIDODECANOXYLOXYSTANNANE \square DIOCTYLTIN DILAURATE \square DI-n-OCTYLTIN DILAURATE \square DI-n-OCTYL-ZINN DILAURAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:6450 mg/kg ARZNAD 19,934,69

ipr-rat LD50:95 mg/kg ARZNAD 19,934,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

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

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

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

DVK200 CAS: 16091-18-2 HR: 2
2,2-DIOCTYL-1,3,2-DIOXASTANNEPIN-4,7-DIONE

mf: $C_{20}H_{36}O_4Sn$ mw: 459.25

SYNS: DIOCTYLSTANNYLENE MALEATE \square DIOCTYLTIN MALEATE \square DI-n-OCTYLTIN MALEATE \square DI-n-OCTYLZINN MALEINAT \square ESTABEX U 18 \square LIV 1176 \square MELLITE 825 \square STANN OMF \square THERMOLITE 813 \square TVS 8105

TOXICITY DATA with REFERENCE:

orl-rat LD50:4500 mg/kg ARZNAD 19,934,69

orl-mus LD50:775 mg/kg ERNFA7 11,424,66

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).

DFG MAK: 0.1 mg(Sn)/ m^3 calculated as total dust

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

DVK400 CAS: 101-67-7 HR: 1
4,4'-DIOCTYLDIPHENYLAMINE

mf: C₂₈H₄₃N mw: 393.72

TOXICITY DATA with REFERENCE:

orl-rat LD50:8000 mg/kg TXAPA9 42,417,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVK500 CAS: 103270-64-0 HR: 2
DIOCTYLDIPHENYLTIN

mf: C₂₈H₄₄Sn mw: 499.41

SYNS: DIOCTYLDIPHENYLSTANNANE □ STANNANE, DIOCTYLDIPHENYL- □ TIN, DIOCTYLDIPHENYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H SEV NTIS** OTS0571453

eye-rbt 100 µL/24H SEV NTIS** OTS0571453

SAFETY PROFILE: A severe skin and eye irritant. When heated to decomposition it emits toxic vapors of Sn.

DVK600 CAS: 141-02-6 HR: 3
DIOCTYL FUMARATE

mf: C₂₀H₃₆O₄ mw: 340.56

PROP: Clear, mobile liquid; mild odor. Bp: 211–220°, flash p: 365°F (COC), d: 0.942 @ 20°/20°.

SYNS: BIS(2-ETHYLHEXYL) FUMARATE □ 2-BUTENEDIOIC ACID BIS(2-ETHYLHEXYL) ESTER □ DI(2-ETHYLHEXYL) FUMARATE □ DOF □ 2-ETHYLHEXYL FUMARATE □ RC COMONOMER DOF

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 LD50:29,200 mg/kg AMIHBC 10,61,54

ipr-mus LD50:250 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. An eye and severe skin irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. See also ESTERS and FUMARIC ACID.

DVK709 CAS: 53521-41-8 HR: 1
DIOCTYLISOPENTYLPHOSPHINE OXIDE

mf: C₂₁H₄₅OP mw: 344.63

SYNS: DIOCTYLISOPENTYLPHOSPHINE OXIDE □ ISOPENTYLDIOCTYLPHOSPHINE OXIDE □ PHOSPHINE OXIDE, (3-METHYLBUTYL)DIOCTYL-(9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:8369 mg/kg GISAAA 47(8),27,82

ihl-rat LC50:3311 g/m³ GISAAA 47(8),27,82

orl-mus LD50:9500 mg/kg GISAAA 47(8),27,82

ihl-mus LC50:1288 g/m³ GISAAA 47(8),27,82

SAFETY PROFILE: Mildly toxic by inhalation and ingestion. When heated to decomposition it emits toxic fumes of PO_x and phosphine. See also PHOSPHINE.

DVK800 CAS: 2915-53-9 HR: 1
DIOCTYL MALEATE

mf: C₂₀H₃₆O₄ mw: 340.56

SYNS: BIS(1-OCTYL) MALEATE □ 2-BUTENEDIOIC ACID (Z)-, DIOCTYL ESTER (9CI) □ DI-N-OCTYL MALEATE □ DIOCTYL MALEATE □ PX-538

TOXICITY DATA with REFERENCE:

orl-rat LD50:14,200 mg/kg NPIRI* 2,43,75

skn-rbt LD50:14 g/kg NPIRI* 2,43,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS.

DVL000 CAS: 1116-76-3 HR: 3
N,N-DIOCTYL-1-OCTANAMINE

mf: C₂₄H₅₁N mw: 353.76

PROP: Viscous oily liquid. D: 0.809, bp: 365–367°. Sol in common org solvs; insol in H₂O.

SYNS: ALAMINE 308 □ ALAMINE 336 □ TRICAPRYLYLAMINE □ TRI-n-OCTYLAMINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1 g/kg HYDRDA 3,201,78

ipr-mus LDLo:63 mg/kg CBCCT* 4,323,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVL200 CAS: 15535-79-2 HR: 2
2,2-DIOCTYL-1,3,2-OXATHIASTANNOLANE-5-OXIDE

mf: C₁₈H₃₆O₂SSn mw: 435.29

SYNS: DIOCTYLTHIOACETOXYSTANNANE □ DIOCTYLTIN THIOGLYCOLATE □ DI-n-OCTYLTIN THIOGLYCOLATE □ DI-n-OCTYL-ZINN THIOGLYKOLAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:945 mg/kg ARZNAD 19,943,69

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

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

DVL400 CAS: 870-08-6 HR: 2**DIOCTYLOXOSTANNANE**mf: $C_{16}H_{34}OSn$ mw: 361.19**SYNS:** DIOCTYLtin OXIDE □ DI-n-OCTYLtin OXIDE □ DI-n-OCTYL-ZINN OXYD (GERMAN) □ OXODIOCTYLSTANNANE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2500 mg/kg ARZNAD 19,934,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).**DFG MAK:** 0.1 mg(Sn)/m³ calculated as total dust**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**DVL600 CAS: 117-84-0 HR: 2****n-DIOCTYL PHTHALATE**mf: $C_{24}H_{38}O_4$ mw: 390.62**SYNS:** o-BENZENEDICARBOXYLIC ACID DIOCTYL ESTER □ 1,2-BENZENEDICARBOXYLIC ACID DIOCTYL ESTER □ CELLUFLEX DOP □ DINOPOL NOP □ DIOCTYL-o-BENZENEDICARBOXYLATE □ DIOCTYL PHTHALATE □ DNOP □ OCTYL PHTHALATE □ n-OCTYL PHTHALATE □ PX-138 □ RCRA WASTE NUMBER U107 □ VINICIZER 85**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,48,72

eye-rbt 5 mg SEV AJOPAA 29,1363,46

eye-rbt 500 mg/24H MLD 28ZPAK -,48,72

orl-mus LD50:6513 mg/kg GTPZAB 17(10),51,73

ipr-mus LD50:65 g/kg JSCCA5 28,667,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. Experimental teratogenic and reproductive effects. A skin and severe eye irritant. Used as a plasticizer. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**DVL700 CAS: 117-81-7 HR: 3****DI-sec-OCTYL PHTHALATE**mf: $C_{24}H_{38}O_4$ mw: 390.62**PROP:** A liquid. D: 0.986 @ 20°, mp: -46°, bp: 231° @ 5 mm. IDLH 5000 mg/m³.**SYNS:** BEHP □ BIS(2-ETHYLHEXYL)-1,2-BENZENEDICARBOXYLATE □ BIS(2-ETHYLHEXYL)PHTHALATE □ BISOFLEX 81 □ BISOFLEX DOP □ COMPOUND 889 □ DAF 68 □ DEHP □ DI(2-ETHYLHEXYL)ORTHOPHTHALATE □ DI(2-ETHYLHEXYL)PHTHALATE □ DIOCTYL PHTHALATE □ DOP □ ERGOPLAST FDO □ ETHYLHEXYL PHTHALATE □ 2-ETHYLHEXYL PHTHALATE □ EVIPLAST 80 □ EVIPLAST 81 □ FLEXIMEL □ FLEXOL DOP □ FLEXOL PLASTICIZER DOP □ GOOD-RITE GP 264 □ HATCOL DOP □ HERCOFLEX 260 □ KODAFLEX DOP □ MOLLAN O □ NCI-C52733 □ NUOPLAZ DOP □ OCTOIL □ OCTYL PHTHALATE □ PALATINOL AH □ PHTHALIC ACID DIOCTYL ESTER □ PITTSBURGH PX-138 □

PLATINOL AH □ PLATINOL DOP □ RC PLASTICIZER DOP □ RCRA WASTE NUMBER U028 □ REOMOL DOP □ REOMOL D 79P □ SICOL 150 □ STAFLEX DOP □ TRUFLEX DOP □ VESTINOL AH □ VINICIZER 80 □ WITCIZER 312

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,48,72

eye-rbt 500 mg AJOPAA 29,1363,46

eye-rbt 500 mg/24H MLD 28ZPAK -,48,72

dns-rat:lvrl 500 μmol/L PMRSDJ 5,371,85

slr-ham:lvrl 50 mg/L PMRSDJ 5,397,85

orl-man TDLo:143 mg/kg:GIT JIHTAB 27,130,45

orl-rat LD50:30,600 mg/kg EVHPAZ 3,131,73

skn-rat LDLo:4 g/kg GISAAA 45(6),35,80

ipr-rat LD50:30,700 mg/kg JIHTAB 27,130,45

ivn-rat LD50:250 mg/kg TXAPA9 45,230,78

orl-mus LD50:30 g/kg TJADAB 14,259,76

ipr-mus LD50:14 g/kg JPMSAE 55,158,66

ivn-mus LD50:1060 mg/kg NTIS** PB250-102

orl-rbt LD50:34 g/kg EVHPAZ 4,3,73

skn-rbt LD50:25 g/kg JIHTAB 27,130,45

orl-gpg LD50:26 g/kg IMEMDT 29,269,82

skn-gpg LD50:10 g/kg EVHPAZ 4,3,73

skn-gpg LD50:10 g/kg EVHPAZ 4,3,73

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Human Inadequate Evidence IMEMDT 29,269,82; Animal Sufficient Evidence IMEMDT 29,269,82. NTP Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NTPTR* NTP-TR-217,82. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. Community Right-To-Know List.**OSHA PEL:** TWA 5 mg/m³; STEL 10 mg/m³**ACGIH TLV:** TWA 5 mg/m³; Confirmed Animal Carcinogen with Unknown Revelance to Humans**DFG MAK:** 10 mg/m³**NIOSH REL:** (DEHP) Reduce to lowest feasible level**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Experimental teratogenic data. Other experimental reproductive effects. Poison by intravenous route. Human systemic effects by ingestion: gastrointestinal tract effects. A mild skin and eye irritant. When heated to decomposition it emits acrid smoke.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Di(2-ethylhexyl) Phthalate, 5020.**DVL800 CAS: 69226-45-5 HR: 3****DIOCTYL(1,2-PROPYLENEDIOXYBIS-(MALEOYLDIOXY))STANNANE**mf: $C_{27}H_{42}O_8Sn$ mw: 613.38**SYNS:** DI-n-OCTYLtin DI(1,2-PROPYLENEGLYCOL-MALEATE) □ DI-n-OCTYL-ZINN-DI-(1,2-PROPYLENGLYKOLMALEINAT)(GERMAN)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4775 mg/kg ARZNAD 19,934,69

ipr-rat LD50:30 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 intraperitoneal route. Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also TIN COMPOUNDS.

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

DVM000 CAS: 3572-47-2 HR: 3
DIOCTYLTHIOXOSTANNANE

mf: $C_{16}H_{34}SSn$ mw: 377.25

SYN: DI-n-OCTYLTIN SULFIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1900 mg/kg ARZNAD 10,44,60

ivn-mus LD50:180 mg/kg CSLNX* NX#01771

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. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES and TIN COMPOUNDS.

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

DVM200 CAS: 27107-88-6 HR: 2
DI-n-OCTYLTIN BIS(BUTYL MERCAPTO-ACETATE)

mf: $C_{28}H_{56}O_4S_2Sn$ mw: 639.65

SYN: BIS(MERCAPTOACETATE)DIOCTYLTIN BIS(BUTYL) ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:1140 mg/kg ATXKA8 26,196,70

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

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

DVM400 CAS: 22205-30-7 HR: 2
DI-n-OCTYLTIN BIS(DODECYL MERCAPTIDE)

mf: $C_{44}H_{88}O_4S_2Sn$ mw: 864.13

SYN: BIS(MERCAPTO)DIOCTYLTIN BIS(DODECYL) ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:4000 mg/kg ATXKA8 26,196,70

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and SULFIDES.

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

DVM600 CAS: 10039-33-5 HR: 2
DI-n-OCTYLTIN BIS(2-ETHYLHEXYL MALEATE)

mf: $C_{40}H_{72}O_8Sn$ mw: 799.81

SYNS: BIS(HYDROGEN MALEATO)DIOCTYLTIN BIS(2-ETHYLHEXYL) ESTER □ DI-n-OCTYL-ZINN-BIS(2-AETHYLHEXYLMALEINAT) (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2760 mg/kg ARZNAD 19,934,69

orl-mus LD50:2700 mg/kg FCTXAV 8,655,70

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. 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.

DVM800 CAS: 15571-58-1 HR: 2
DI-n-OCTYLTIN BIS(2-ETHYLHEXYL) MERCAPTOACETATE

mf: $C_{36}H_{72}O_4S_2Sn$ mw: 751.89

SYNS: BIS(2-ETHYLHEXYLTHIOGLYCOLATE)DIOCTYLTIN □ BIS(MERCAPTOACETATE)DIOCTYLTIN BIS(2-ETHYLHEXYL) ESTER □ 10-ETHYL-4,4-DIOCTYL-7-OXO-8-OXA-3,5-DITHIA-4-STANNATE/TRADECANOIC ACID-2-ETHYLHEXYL ESTER □ DI-N-OCTYLTIN-2-ETHYLHEXYLDIMERCAPTOETHANOATE □ DI-N-OCTYLTIN-THIOGLYCOLIC ACID 2-ETHYLHEXYL ESTER □ OTS 11

TOXICITY DATA with REFERENCE:

orl-rat LD50:2100 mg/kg NAHRAR 13,343,69

orl-mus LD50:2010 mg/kg ATXKA8 26,196,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

DFG MAK: 0.1 mg(Sn)/m³ calculated as total dust

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and ESTERS.

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

DVN000 CAS: 69226-43-3 HR: 2
DI-n-OCTYLTIN BIS(LAURYLTHIOGLYCOLATE)

mf: $C_{44}H_{88}O_4S_2Sn$ mw: 864.13

SYNS: BIS(LAUROYLOXYCARBONYLMETHYLTHIO)DIOCTYLSTANN

ANE □ DI-n-OCTYL-ZINN-BIS(LAURYL-THIOGLYKOLAT) (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:3700 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: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

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

DVN100 CAS: 7324-77-8 HR: 2
DI-(N-OCTYL)TIN BIS-o,o'-(MONOLAURYL MALEATE)

mf: C₄₈H₈₈O₈Sn mw: 912.05

SYNS: DIOCTYLtin BIS(MONOLAURYL MALEATE) □ DODECYL-6,6-DIOCTYL-4,8,11-TRIOXO-5,7,12-TRIOXA-6-STANNATETRACOSA-2,9-DIENOATE □ MALEIC ACID, MONODODECYL ESTER, DIOCTYLSTANNYLENE DERIV. □ STANNANE, BIS((3-CARBOXYACRYLOYL)OXY)DIOCTYL-, DIDODECYL ESTER, (Z,Z)- □ 5,7,12-TRIOXA-6-STANNATETRACOSA-2,9-DIENOIC ACID, 6,6-DIOCTYL-4,8,11-TRIOXO-, DODECYL ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV NTIS** OTS0571949

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of Sn.

DVN200 CAS: 69226-46-6 HR: 2
DI-n-OCTYLtin-1,4-BUTANEDIOL-BIS-MERCAPTOACETATE

mf: C₂₄H₄₆O₄S₂Sn mw: 581.51

SYN: DI-n-OCTYL-ZINN-1,4-BUTANDIOL-BIS-MERCAPTO-ACETAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2950 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: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and MERCAPTANS.

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

DVN300 CAS: 3542-36-7 HR: 3
DI-n-OCTYLtinDICHLORIDE

mf: C₁₆H₃₄Cl₂Sn mw: 416.09

SYNS: DICHLORODIOCTYLSTANNANE □ DIOCTYL-STANNIUM DICHLORIDE □ DIOCTYLtin DICHLORIDE □ DOTC □ DI-n-OCTYL-ZINN DICHLORID □ STANNANE, DICHLORODIOCTYL- □ STANNANE, DIOCTYLDICHLORO- □ TIN, DIOCTYL-, DICHLORIDE

TOXICITY DATA with REFERENCE:

msc-ham:lng 1250 µg/L ARZNAD 36,1263,86

dns-rbt:Cells-uns 1 µg/L JTEHD6 16,229,85

orl-rat LD50:5500 mg/kg ARZNAD 19,934,69

ivn-rat LDLo:10 mg/kg BJIMAG 15,15,58

ivn-mus LD50:18 mg/kg CSLNX* NX#02188

orl-rbt LDLo:250 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/m³ (skin)

NIOSH REL: (Organotin Compound): TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: A poison by ingestion and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic vapors of Sn and Cl⁻.

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

DVN400 CAS: 69226-44-4 HR: 2
DI-n-OCTYLtin ETHYLENEGLYCOL DITHIOGLYCOLATE

mf: C₂₂H₄₂O₄S₂Sn mw: 553.45

SYNS: DIOCTYL(ETHYLENEDIOXYBIS(CARBONYLMETHYLTHIO))STANNANE □ DI-n-OCTYL-ZINN AETHYLENGLYKOL-DITHIOGLYKOLAT (GERMAN) □ OTS 15

TOXICITY DATA with REFERENCE:

orl-rat LD50:880 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: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS.

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

DVN600 CAS: 58229-88-2 HR: 2
DI-n-OCTYLtin MERCAPTIDE

SYNS: DIOCTYLtin MERCAPTIDE □ ERGOTERM OTGO

TOXICITY DATA with REFERENCE:

orl-rat LDLo:750 mg/kg RPZHAW 19,329,68

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. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and MERCAPTANS.

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

DVN800 CAS: 3033-29-2 HR: 3
DI-n-OCTYLtin β-MERCAPTOPROPIONATE

mf: C₁₉H₃₈O₂SSn mw: 449.32

SYNS: □ DIHYDRO-2,2-DIOCTYL-6H-1,3,2-OXATHIA-STANNIN-6-ONE □ DIOCTYLtin-β-MERCAPTOPROPIONATE □ DI-n-OCTYL-ZINN β-MERCAPTOPROPIONAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1850 mg/kg ARZNAD 19,934,69
 ipr-rat LD50:6600 µg/kg TXAPA9 35,63,76

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 intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and MERCAPTANS.

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

DVN909 CAS: 3594-15-8 HR: 3
DIOCTYLtin-3,3'-THIODIPROPIONATE

mf: C₂₂H₄₂O₄SSn mw: 521.39

SYN:

□ 2,2-DIOCTYL-1,3-DIOXA-2-STANNA-7-THIADECAN-4,10-DIONE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#02854

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

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

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

DVO000 HR: 3

DIOCYDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:172 mg/kg KHFZAN 11(7),44,77

orl-mus LD50:54 mg/kg KHFZAN 11(7),44,77

ipr-mus LD50:21,700 µg/kg KHFZAN 11(7),44,77

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes.

DVO100 CAS: 582-52-5 HR: 1
1:2,5:6-DI-O-ISOPROPYLIDENE-α-D-GLUCO-FURANOSE

mf: C₁₂H₂₀O₆ mw: 260.32

SYNS: 1:2,5:6-DI-O-ISOPROPYLIDENE-α-D-GLUCOFURANOSE
 □ GLUCOFURANOSE, 1:2,5:6-DI-O-ISOPROPYLIDENE-, α-D-

TOXICITY DATA with REFERENCE:

orl-mus LD50:4 g/kg ARZNAD 29,986,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVO175 CAS: 63323-30-8 HR: 2

anti-DIOLEPOXIDE

mf: C₂₀H₁₂O₃ mw: 300.32

SYNS: (-)-7-α,8-β-DIHYDROXY-9-β,10-β-EPOXY-7,8,9,10-TETRAHYDROBENZO(a)PYRENE □ (-)-BP 7-α,8-β-DIOL-9-β,10-β-EPOXIDE 2 □ (-)-7,8,9,10-TETRAHYDRO-7-β,8-α-DIHYDROXY-9-α,10-α-EPOXY-BENZO(a)PYRENE □ anti-DIOLEPOXIDE

TOXICITY DATA with REFERENCE:

mno-sat 100 pmol/plate BBRC9 77,1389,77

cyt-ham:lng 300 µg/L IJCNAW 24,485,79

sce-ham:lng 600 µg/L

IJCNAW 24,485,79

msc-ham:lng 10 µmol CRNGDP 3,1223,82

skn-mus TDLo:2400 µg/kg:ETA CNREA8 39,67,79

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

DVO600 CAS: 702-62-5 HR: 2
2-4-DIONE-1,3-DIAZASPIRO(4.5)DECANE

mf: C₈H₁₂N₂O₂ mw: 168.22

PROP: Crystals from EtOH (aq). Mp: 218–220°.

SYNS: CYCLOHEXANESPIRO-5'-HYDANTOIN □ SPIRO(CYCLOHEXANE-1,5'-HYDANTOIN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:420 mg/kg JMCMA 8,239,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVO700 CAS: 125-30-4 HR: 3
DIONIN HYDROCHLORIDE

mf: C₁₉H₂₃NO₃•ClH mw: 349.89

PROP: Bitter-tasting powder. Mp: 123° (decomp).

SYNS: CODETHYLIN HYDROCHLORIDE □ DIONINE HYDROCHLORIDE □ ETHYLMORPHINE HYDROCHLORIDE □ o-ETHYLMORPHINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:950 mg/kg ARZNAD 21,719,71

scu-rat LD50:200 mg/kg ARZNAD 21,727,71

orl-mus LD50:520 mg/kg ARZNAD 21,719,71

scu-mus LD50:265 mg/kg APFRAD 15,640,57

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

DVO809 CAS: 17667-23-1 HR: 3
DIOSPYROL

mf: C₂₂H₁₈O₄ mw: 346.40

SYN: 6,6'-DIMETHYL-(2,2'-BINAPHTHALENE)-1,1',8,8'-TETROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:3000 mg/kg DRFUD4 5,438,80

orl-mus LD50:3000 mg/kg DRFUD4 5,438,80

orl-dog LD50:2000 mg/kg DRFUD4 5,438,80

ipr-mky LD50:100 mg/kg DRFUD4 5,438,80

orl-ham LD50:3000 mg/kg DRFUD4 5,438,80

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes.

DVO819 CAS: 101-08-6 HR: 3**DIOTHANE**mf: $C_{22}H_{27}N_3O_4$ mw: 397.52**SYNS:** 3-PIPERIDINO-1,2-PROPANEDIOL DICARBANILATE □
3-(1-PIPERIDYL)-1,2-PROPANE DICARBANILATE**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:1200 mg/kg JPETAB 47,255,33

scu-rbt LDLo:300 mg/kg JPETAB 47,255,33

ivn-rbt LDLo:15 mg/kg JPETAB 47,255,33

scu-gpg LDLo:400 mg/kg JPETAB 47,255,33

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x .**DVO920 CAS: 99591-73-8 HR: 3****1,5,2,4-DIOXADITHIEPANE-2,2,4,4-TETRAOXIDE**mf: $C_3H_6O_6S_2$ mw: 202.21**SYNS:** 1,5,2,4-DIOXADITHIEPANE, 2,2,4,4-TETRAOXIDE □
CYCLIC SOSO □ CYCLIC-SOSO □ CYCLODISONE □ NSC-348948**TOXICITY DATA with REFERENCE:**dnd-hmn-lng 100 μ mol/L CNREA8 46,1679,1986dnd-hmn-oth 25 μ mol/L CNREA8 49,154,1989

orl-mus LD50:253 mg/kg NTIS** PB88-136478

ipr-rat TDLo:42.5 mg/kg CCPHDZ 26,19,1990

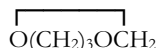
ipr-rat TDLo:46.6 mg/kg CCPHDZ 26,19,1990

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic vapors of SO_x .**DVP400 CAS: 631-06-1 HR: 3****d-DIOXADROL HYDROCHLORIDE**mf: $C_{20}H_{23}NO_2 \cdot ClH$ mw: 345.90**PROP:** A solid. Mp: 256–260°.**SYNS:** CL-911C □ DEXOXADROL HYDROCHLORIDE □ d-2-(2,2-DIPHENYL-1,3-DIOXOLAN-4-YL)PIPERIDINE HYDROCHLORIDE □ d-2,2-DIPHENYL-4-(2-PIPERIDYL)-1,3-DIOXOLANE HYDROCHLORIDE □ NSC-526062 □ RELANE □ U-22,559A**TOXICITY DATA with REFERENCE:**orl-hmn TDLo:400 μ g/kg:CNS PSEBAA 118,352,65

orl-rat LD50:280 mg/kg AIPTAK 153,105,65

orl-mus LD50:380 mg/kg AIPTAK 153,105,65

ivn-rbt LD50:33 mg/kg AIPTAK 153,105,65

SAFETY PROFILE: Poison by ingestion and intravenous routes. Human systemic effects by ingestion: somnolence, hallucinations or distorted perceptions, and analgesia. When heated to decomposition it emits very toxic fumes of HCl and NO_x .**DVP600 CAS: 505-22-6 HR: 3****m-DIOXAN**mf: $C_4H_8O_2$ mw: 88.12**PROP:** A liquid. Bp: 105° @ 755 mm, flash p: 33.8°F. lcl: 2%, uel: 22%. Sol in water.**SYNS:** 1,3-DIOXACYCLOHEXANE □ 1,3-DIOXANE □ 1,3-PROPANEDIOL FORMAL**TOXICITY DATA with REFERENCE:**mmo-sat 3333 μ g/plate ENMUDM 5(Suppl 1),3,83

uns-sat 70 mg/L MUREAV 192,239,87

cyt-ham:ovr 1300 mg/L EMMUEG 10(Suppl 10),1,87

sce-ham:ovr 2080 mg/L EMMUEG 10(Suppl 10),1,87

SAFETY PROFILE: Mutation data reported. A very dangerous fire and explosion hazard when exposed to heat or flame; can react with oxidizing materials. Can form dangerous peroxides when exposed to air. When heated to decomposition it emits acrid smoke and fumes.**DVQ000 CAS: 123-91-1 HR: 3****DIOXANE****DOT:** UN 1165mf: $C_4H_8O_2$ mw: 88.11**PROP:** Colorless liquid with pleasant odor. Mp: 12°, fp: 11°, bp: 101.1°, lcl: 2.0%, uel: 22.2%, flash p: 54°F (CC), d: 1.0353 @ 20°/4°, autoign temp: 356°F, vap press: 40 mm @ 25.2°, vap d: 3.03. Sol in EtOH and C_6H_6 . IDLH 500 ppm.**SYNS:**

□ DIETHYLENE DIOXIDE □ 1,4-DIETHYLENE DIOXIDE □ DIETHYLENE ETHER □ DI(ETHYLENE OXIDE) □ DIOKAN □ DIOKSAN (POLISH) □ DISSANO-1,4 (ITALIAN) □ DIOXAAN-1,4 (DUTCH) □ p-DIOXAN (CZECH) □ DIOXAN-1,4 (GERMAN) □ p-DIOXANE □ 1,4-DIOXANE (MAK) □ DIOXANNE (FRENCH) □ DIOXYETHYLENE ETHER □ GLYCOL ETHYLENE ETHER □ NCI-C03689 □ RCRA WASTE NUMBER U108 □ TETRAHYDRO-p-DIOXIN □ TETRAHYDRO-1,4-DIOXIN

TOXICITY DATA with REFERENCE:

eye-hmn 300 ppm/15M JIHTAB 28,262,46

skn-rbt 515 mg open MLD UCDS** 12/17/71

eye-rbt 21 mg AJOPAA 29,1363,46

eye-gpg 10 μ g MOD JPPMAB 11,150,59dnd-rat:lvrr 300 μ mol/L SinJF# 26OCT82

oms-rat-ivn 50 mg/kg ARTODN 49,29,81

orl-rat TDLo:10 g/kg (6-15D preg):TER TOLED5 26,85,85

orl-rat TDLo:185 g/kg/2Y-C:CAR NCITR* NCI-CG-TR-80,78

orl-mus TDLo:239 g/kg/90W-C:CAR NCITR* NCI-CG-TR-80,78

ipr-mus TDLo:12 g/kg/8W-I:NEO TXAPA9 82,19,86

ihl-hmn TCLo:470 ppm:CNS,CVS,GIT AMIHAB 20,445,59

ihl-hmn TCLo:5500 ppm/1M:EYE,PUL PHRPA6 45,2023,30

ihl-hmn LCLo:470 ppm/3D PLENBW 7,22,75

ihl-rat LC50:46 g/m³/2H KBAMAJ 11(6),53,77

ipr-rat LD50:799 mg/kg ENVRAL 40,411,86

orl-mus LD50:5700 mg/kg JIHTAB 21,173,39

ihl-mus LC50:37 g/m³/2H 85GMAT -,63,82

ipr-mus LD50:790 mg/kg FEPR7 6,342,47

orl-cat LD50:2000 mg/kg JIHTAB 21,173,39

ihl-cat LCLo:44 g/m³/7H KDPU** -,37

orl-rbt LD50:2000 mg/kg JIHTAB 21,173,39

skn-rbt LD50:7600 mg/kg UCDS** 12/17/71

ivn-rbt LDLo:1500 mg/kg JOHYAY 35,540,35

orl-gpg LD50:3150 mg/kg JIHTAB 23,259,41

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,201,87; Animal Sufficient Evidence IMEMDT

11,247,76. NCI Carcinogenesis Bioassay (oral); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-80,78. EPA Genetic Toxicology Program. Glycol ether compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 25 ppm (skin)

ACGIH TLV: TWA 20 ppm (skin); Confirmed Animal Carcinogen with Unknown Relevance to Humans

DFG MAK: 20 ppm (73 mg/m³); Not Classifiable as a Human Carcinogen

NIOSH REL: CL (Dioxane) 1 ppm/30M

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by intraperitoneal route. Moderately toxic by ingestion and inhalation. Mildly toxic by skin contact. Human systemic effects by inhalation: lachrymation, conjunctiva irritation, convulsions, high blood pressure, unspecified respiratory and gastrointestinal system effects. Mutation data reported. An eye and skin irritant. The irritant effects probably provide sufficient warning, in acute exposures, to enable a worker to leave exposure before being seriously affected. Repeated exposure to low concentrations has resulted in human fatalities, the organs chiefly affected being the liver and kidneys.

A very dangerous fire and explosion hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Violent reaction with (H₂ + Raney Ni), AgClO₄. Can form dangerous peroxides when exposed to air. Potentially explosive reaction with nitric acid + perchloric acid, Raney nickel catalyst (above 210°C). Forms explosive mixtures with decaborane (impact-sensitive), triethynylaluminum (sensitive to heating or drying). Violent reaction with sulfur trioxide. Incompatible with sulfur trioxide. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dioxane, 1602.

DVQ400 CAS: 766-15-4 HR: 2
***m*-DIOXANE-4,4-DIMETHYL**

mf: C₆H₁₂O₂ mw: 116.18

PROP: Bp: 132°.

SYN: 4,4-DIMETHYLDIOXANE-1,3

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
skn-rbt 500 mg/24H MLD 85JCAE -,812,86
eye-rbt 2 mg/24H SEV 85JCAE -,812,86
ihl-rat TClO:10 µg/m³/24H (16W pre):REP GISAAA 43(9),16,78
orl-rat LD50:3730 mg/kg AIHAAP 23,95,62
ihl-rat LCLo:8000 ppm/4H AIHAAP 23,95,62
orl-mus LDLo:1 g/kg GISAAA 25(6),85,60
skn-rbt LD50:3540 mg/kg AIHAAP 23,95,62

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

DVQ600 CAS: 16088-56-5 HR: 3
cis-2,3-p-DIOXANEDITHIOL-S,S-BIS(O,O-DIETHYLPHOSPHORODITHIOATE)

mf: C₁₂H₂₆O₆P₂S₄ mw: 456.56

PROP: A liquid.

SYN: (E)-PHOSPHORODITHIOIC ACID-O,O-DIETHYL ESTER-S,S-DIESTER with p-DIOXANE-2,3-DIETHIOL

TOXICITY DATA with REFERENCE:

scu-rat LD50:66 mg/kg TXAPA9 5,605,63

SAFETY PROFILE: Poison by subcutaneous route. When heated to decomposition it emits very toxic fumes of PO_x and SO_x. See also ESTERS.

DVQ630 CAS: 3041-16-5 HR: 2
p-DIOXAN-2-ONE

mf: C₄H₆O₃ mw: 102.10

SYNS: ACETIC ACID, (2-HYDROXYETHOXY)-, γ-LACTONE (6Cl,7Cl) □ DIOXANONE □ p-DIOXANONE □ 2-p-DIOXANONE □ 1,4-DIOXAN-2-ONE (9Cl)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:790 mg/kg CNREA8 38,1621,78

ipr-mus LD :>500 mg/kg CBCCT* 6,213,54

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

DVQ709 CAS: 78-34-2 HR: 3
DIOXATHION

mf: C₁₂H₂₆O₆P₂S₄ mw: 456.56

PROP: Nonvolatile, stable solid or brown liquid (tech grade). D: 1.257 @ 26°/4°, mp: -20°, bp: 60-68° @ 0.5 mm. Nonflammable. Insol in water.

SYNS: BIS(DITHIOPHOSPHATE de O,O-DIETHYLE) de S,S'-(1,4-DIOXANNE-2,3-DIYLE) (FRENCH) □ DELNAV □ 1,4-DIOSSAN-2,3-DIYL-BIS(O,O-DIETIL-DITIOFOSFATO) (ITALIAN) □ 1,4-DIOXAAN-2,3-DIYL-BIS(O,O-DIETHYL-DITHIOFOSFAAT) (DUTCH) □ 2,3-p-DIOXANDITHIOL S,S-BIS(O,O-DIETHYL PHOSPHORODITHIOATE) □ 1,4-DIOXAN-2,3-DIYL-BIS(O,O-DIAETHYL-DITHIOPHOSPHAT) (GERMAN) □ 1,4-DIOXAN-2,3-DIYL-BIS(O,O-DIETHYLPHOSPHOROTHIOLOTHIONATE) □ 1,4-DIOXAN-2,3-DIYL-O,O,O',O'-TETRAETHYL DI(PHOSPHORODITHIOATE) □ 2,3-p-DIOXANE-S,S-BIS(O,O-DIETHYL-PHOSPHORODITHIOATE) □ p-DIOXANE-2,3-DITHIOL-S,S-DIESTER with O,O-DIETHYL PHOSPHORODITHIOATE □ p-DIOXANE-2,3-DIYL ETHYL PHOSPHORODITHIOATE □ ENT 22,897 □ NCI-C00395 □ PHOSPHORODITHIOIC ACID-S,S'-1,4-DIOXANE-2,3-DIYL-O,O,O',O'-TETRAETHYL ESTER

TOXICITY DATA with REFERENCE:

mno-sat 6667 µg/plate ENMUDM 8(Suppl 7),1,86
orl-hmn TDLo:9 mg/kg/60D:BLD 34ZIAG -,200,69
orl-rat LD50:20 mg/kg WRPCA2 9,119,70
ihl-rat LC50:1398 mg/m³/1H TXAPA9 5,605,63
skn-rat LD50:63 mg/kg TXAPA9 5,605,63
orl-rat LD50:20 mg/kg WRPCA2 9,119,70
ihl-rat LC50:1398 mg/m³/1H TXAPA9 5,605,63
ipr-rat LD50:30 mg/kg TXAPA9 5,605,63
orl-mus LD50:176 mg/kg TXAPA9 5,605,63
ihl-mus LC50:340 mg/m³/1H TXAPA9 5,605,63
ipr-mus LD50:33 mg/kg PSEBAA 129,699,68
orl-dog LD50:10 mg/kg PCOC** -,427,66
skn-rbt LD50:85 mg/kg PCOC** -,427,66
orl-ckn LD50:170 mg/kg 32ZXAD 37,A10,75

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-125,78. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.2 mg/m³ (skin)

ACGIH TLV: TLV: TWA 0.1 mg/m³ (skin); Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, and intraperitoneal routes. Mutation data reported. A cholinesterase inhibitor. When heated to decomposition it emits very toxic fumes of PO_x and SO_x. See also PARATHION.

DVQ759 CAS: 59261-17-5 HR: 3
cis-1,4-DIOXENEDIOXETANE

mf: C₄H₆O₄ mw: 118.09

SYN: 2,5,7,8-TETRAOXA[4.2.0]BICYCLOOCTANE

SAFETY PROFILE: Explodes at room temperature. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DVQ800 CAS: 17311-31-8 HR: 2
1,4-DI-N-OXIDE of DIHYDROXYMETHYL-QUINOXALINE

mf: C₁₀H₁₂N₂O₄ mw: 222.22

SYNS: 2,3-BIS(HYDROXYMETHYL)QUINOXALINE DI-N-OXIDE □ 1,4-DI-N-OXIDE 2,3-BIS(OXYMETHYL)QUINOXALINE □ 1,4-DIOXIDE-2,3-QUINOXALINEDIMETHANOL □ DIOXIDIN □ DIOXIDINE □ DIOXYDINE

TOXICITY DATA with REFERENCE:

mmo-sat 750 µg/L CYGEDX 14(1),57,80

mmo-esc 4 mg/L CYGEDX 14(1),57,80

dnr-esc 100 µg/L PCJOAU 15,721,82

dnd-esc 100 µg/L KHFZAN 16(10),11,82

pic-esc 30 mg/L TGANAK 16(6),38,82

ipr-mus LD50:750 mg/kg PCJOAU 14,440,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DVR000 CAS: 107-61-9 HR: 3
4,4-DIOXIDE-1,4-OXATHIANE

mf: C₄H₈O₃S mw: 136.18

SYNS: p-OXATHIANE-4,4-DIOXIDE □ USAF DO-38

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 SO_x.

DVR200 CAS: 105-11-3 HR: 2
DIOXIME-p-BENZOQUINONE

mf: C₆H₆N₂O₂ mw: 138.14

PROP: Pale-yellow crystals. Mp: 240° (decomp).

SYNS: ACTOR Q □ 1,4-BENZOQUINONE DIOXINE □ 2,5-CYCLOHEXADIENE-1,4-DIONE DIOXIME □ DIBENZO PQD □

DIOXIME-1,4-CYCLOHEXADIENEDIONE □ DIOXIME-2,5-CYCLOHEXADIENE-1,4-DIONE □ G-M-F □ NCI-C03850 □ PQD □ QDO □ QUINONE DIOXIME □ p-QUINONE DIOXIME □ p-QUINONE OXIME

TOXICITY DATA with REFERENCE:

mmo-sat 3300 ng/plate ENMUDM 7(Suppl 5),1,85

mma-sat 10 µg/plate ENMUDM 7(Suppl 5),1,85

dnr-bcs 1 mg/disc SAIGBL 26,147,84

orl-rat LD50:464 mg/kg NCILB* NIH-NCI-E-C-72-3252,73

orl-mus LD50:1420 mg/kg GISAAA 29(10),15,64

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 29,185,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: rat NCITR* NCI-CG-TR-179,79; No Evidence: mouse NCITR* NCI-CG-TR-179,79. Reported in EPA TSCA Inventory.

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

DVR250 CAS: 63905-80-6 HR: 3
((2,5-DIOXO-3-CYCLOHEXEN-1-YL)THIO)-ACETIC ACID

mf: C₈H₈O₄S mw: 200.22

SYN: ACETIC ACID, ((2,5-DIOXO-3-CYCLOHEXEN-1-YL)THIO)-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:250 mg/kg NCNSA6 5,29,1953

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

DVR400 CAS: 6483-86-9 HR: D
9,10-DIOXO-9,10-DIHYDRO-1-NITRO-6-ANTHRACENESULFONIC ACID

mf: C₁₄H₇NO₇S mw: 333.28

SYN: 1-NITRO-6(7)SULFONATOANTHRAQUINONE

TOXICITY DATA with REFERENCE:

mmo-sat 50 µg/plate MUREAV 40,203,76

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

DVR500 CAS: 52208-11-4 HR: 3
2-(1,3-DIOXO-2-ISOINDOLINE)ETHYL-THIURONIUM BROMIDE

mf: C₁₁H₁₂N₃O₂S⁺Br⁻ mw: 330.23

SYN: PSEUDOUREA, 2-(1,3-DIOXO-2-ISOINDOLINYL)ETHYLTHIO-,HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#01293

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

DVR600 CAS: 100-79-8 HR: 1
DIOXOLAN

mf: C₆H₁₂O₃ mw: 132.18

PROP: Water-white liquid. Mp: -26.4°, bp: 75°, flash p: 35°F (OC), d: 1.065, vap press: 70 mm @ 20°, vap d: 2.6.

SYNS: CYCLIC (HYDROXYMETHYL)ETHYLENE ACETAL ACETONE □ 2,2-DIMETHYL-1,3-DIOXOLANE-4-METHANOL □ 2,2-DIMETHYL-5-HYDROXYMETHYL-1,3-DIOXOLANE □ 2,2-

DIMETHYL-4-OXYMETHYL-1,3-DIOXOLANE □ DIOXOLANE (DOT) □ GIE □ GLYCEROLACETONE □ GLYCEROL DIMETHYLKETAL □ 4-HYDROXYMETHYL-2,2-DIMETHYL-1,3-DIOXOLANE □ ISOPROPYLIDENE GLYCEROL □ 1,2-*o*-ISOPROPYLIDENE GLYCEROL □ SOLKETAL

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg TXAPA9 39,129,77
mnt-mus-ipr 1500 mg/kg TOLED5 21,349,84
orl-rat LD50:7 g/kg 85ESA3 11,820,89
ipr-rat LD50:3 g/kg 85ESA3 11,820,89
ivn-rat LDLo:3740 µg/kg DECRDP 9,895,83
ivn-rbt LDLo:8530 µg/kg DECRDP 9,895,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by intravenous route. An eye irritant. Mutation data reported. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes.

DVR800 CAS: 646-06-0 HR: 2
1,3-DIOXOLANE

DOT: UN 1166

mf: C₃H₆O₂ mw: 74.09

PROP: A liquid. D: 1.066 @ 15°/4°, fp: -95°, bp: 78° @ 750 mm, flash p: 35.6°F. Misc in water.

SYNS: 1,3-DIOXACYCLOPENTANE □ 1,3-DIOXOLAN □ ETHYLAENE GLYCOL FORMAL □ FORMAL GLYCOL □ GLYCOL FORMAL

TOXICITY DATA with REFERENCE:

skn-rbt 530 mg open MLD UCDS** 12/17/71
eye-rbt 750 µg open SEV JIHTAB 31,60,49
orl-rat LD50:3000 mg/kg JIHTAB 31,60,49
ihl-rat LD50:20,650 mg/m³/4H 85GMAT -,70,82
dnd-rat-ipr 290 mg/kg STBIBN 107,205,85
ipr-rat LDLo:500 mg/kg JPPMAB 11,150,59
orl-mus LD50:3200 mg/kg 85GMAT -,70,82
ihl-mus LC50:104 g/m³ GTPZAB 19(8),45,75
ihl-rbt LCLo:32,000 ppm/4H UCDS** 12/17/71
skn-rbt LD50:8480 mg/kg UCDS** 12/17/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 20 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by skin contact and inhalation. A skin and severe eye irritant. Mutation data reported. A very dangerous fire hazard when exposed to heat or flame; can react with oxidizers. Used in lithium batteries. Potentially explosive reaction with lithium perchlorate. When heated to decomposition it emits acrid smoke and irritating fumes.

DVR909 CAS: 5464-28-8 HR: 1
1,3-DIOXOLANE-4-METHANOL

mf: C₄H₈O₃ mw: 104.12

SYNS: GF □ GLYCERINFORMALE □ GLYCEROL FORMAL □ SERICOSOL-N

TOXICITY DATA with REFERENCE:

ipr-rat LD50:9500 mg/kg APFRAD 44,293,86
orl-mus LD50:8 g/kg APFRAD 44,293,86

ipr-mus LD50:7500 mg/kg APFRAD 44,293,86

SAFETY PROFILE: Mildly toxic by intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and fumes.

DVS000 CAS: 6988-21-2 HR: 3
***o*-(1,3-DIOXOLAN-2-YL)PHENYLMETHYL-CARBAMATE**

mf: C₁₁H₁₃NO₄ mw: 223.25

PROP: Crystals. Mp: 114–115°.

SYNS: CIBA 8353 □ DIOXACARB □ 2-(1,3-DIOXOLANE-2-YL)PHENYL N-METHYLCARBAMATE □ 2-(1,3-DIOXOLAN-2-YL)PHENYL-N-METHYLCARBAMAT □ DU PONT INSECTICIDE 1519 □ ELOCRON □ ENT 27,389 □ FAMID □ NSC-190981

TOXICITY DATA with REFERENCE:

mno-smc 5 ppm RSTUDV 6,161,76
orl-rat LD50:25 mg/kg JTCEEM 6(3),175,86
ihl-rat LC50:160 mg/m³ 85JCAE -,951,86
skn-rat LD50:3 g/kg FMCHA2 -,C122,91
ipr-rat LD50:8300 µg/kg PESTD5 17,351,76
orl-mus LD50:48 mg/kg PESTD5 17,351,76
skn-mus LD50:1660 mg/kg BESAAT 15,133,69
ipr-mus LD50:20 mg/kg PESTD5 17,351,76
skn-rbt LD50:1950 mg/kg BESAAT 15,133,69

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Mutation data reported. A toxic contact and systemic insecticide. When heated to decomposition it emits toxic fumes of NO_x.

DVS100 CAS: 76059-11-5 HR: 3
3-(2-(1,3-DIOXO-2-METHYLINDANYL))-GLUTARIMIDE

mf: C₁₅H₁₃NO₄ mw: 271.29

SYN: GLUTARIMIDE, 3-(1,3-DIOXO-2-METHYLINDAN-2-YL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:28 mg/kg ARPMAS 313,481,80

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

DVS200 CAS: 82-50-8 HR: D
9,10-DIOXO-1-NITRO-9,10-DIHYDRO-5-ANTHRACENESULFONIC ACID

mf: C₁₄H₇NO₇S mw: 333.28

SYN: 1-NITRO-5-SULFONATO-ANTHRAQUINONE

TOXICITY DATA with REFERENCE:

mno-sat 500 µg/plate MUREAV 40,203,76

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

DVS300 CAS: 76059-13-7 HR: 3
3-(2-(1,3-DIOXO-2-PHENYLINDANYL))-GLUTARIMIDE

mf: C₂₀H₁₅NO₄ mw: 333.36

SYN: GLUTARIMIDE, 3-(1,3-DIOXO-2-PHENYLINDAN-2-YL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:14 mg/kg ARPMAS 313,481,80

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DVS400 CAS: 76059-14-8 HR: 3
3-(2-(1,3-DIOXO-2-PHENYL-4,5,6,7-TETRA-HYDRO-4,7-DITHIAINDANYL))GLUTARIMIDE

mf: C₁₈H₁₅NO₄S₂ mw: 373.46

SYN: GLUTARIMIDE, 3-(5,7-DIOXO-6-PHENYL-2,3,6,7-TETRAHYDRO-5H-CYCLOPENTA-p-DITHIIN-6-YL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:7 mg/kg ARPMAS 313,481,80

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.

DVS600 CAS: 26581-81-7 HR: 2
2-(2,6-DIOXOPIPERIDEN-3-YL) PHTHALIMIDINE

mf: C₁₃H₉N₂O₃ mw: 241.24

SYNS: 3-(1,3-DIHYDRO-1-OXO-2H-ISOINDOL-2-YL)-2,6-DIOXOPIPERIDINE □ EM 12

TOXICITY DATA with REFERENCE:

orl-mus LD50:6000 mg/kg ARZNAD 31,941,81

ipr-mus LD50:1830 mg/kg ARZNAD 31,941,81

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DVT200 CAS: 731-40-8 HR: D
(±)-N-(2,6-DIOXO-3-PIPERIDYL)PHTHALIMIDE

mf: C₁₃H₁₀N₂O₄ mw: 258.25

PROP: Needles. Mp: 269–271°. Sol in dioxan; insol in Et₂O, CHCl₃, and C₆H₆.

SYN: (+,-)-THALIDOMIDE

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DVT400 CAS: 13754-56-8 HR: 3
DIOXOPROMETHAZINE HYDROCHLORIDE

mf: C₁₇H₂₀N₂O₂S·ClH mw: 352.91

SYN: 5,5-DIOXO-10-(2-(DIMETHYLAMINO)PROPYL)-PHENOTHIAZINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:70 mg/kg PHARAT 25,91,70

ipr-mus LD50:49 mg/kg PHARAT 25,91,70

scu-mus LD50:96 mg/kg PHARAT 25,91,70

ivn-mus LD50:19 mg/kg PHARAT 25,91,70

orl-rbt LD50:165 mg/kg PHARAT 25,91,70

orl-gpg LD50:225 mg/kg PHARAT 25,91,70

scu-gpg LD50:33 mg/kg PHARAT 25,91,70

ivn-gpg LD50:8 mg/kg PHARAT 25,91,70

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

DVT459 CAS: 31083-55-3 HR: 3

1,3-DIOXO-2-(3-PYRIDYLMETHYLENE)INDAN

mf: C₁₅H₉NO₂ mw: 235.25

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg ARPMAS 313,481,80

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

DVT500 HR: 1
DIOXYBIS(2,2'-DI-tert-BUTYLBUTANE

mf: C₂₄H₅₀O₂ mw: 370.74

SYN: 2,2-BIS-DI-tert-BUTYLPEROXYBUTANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD SCCUR* -,2,61

orl-rat LD50:12,500 mg/kg FEPA7 7,252,48

orl-mus LD50:17,500 mg/kg FEPA7 7,252,48

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

DVT600 CAS: 49796-88-5 HR: 2
1,1'-(DIOXY)DIMETHYLCYCLOHEXANOL

mf: C₁₄H₂₆O₄ mw: 258.36

SYN: CYCLOHEXANOL, 1,1'-(DIOXYBIS(METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:1600 mg/kg VCVGK*,530,1994

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

DVT800 CAS: 12228-13-6 HR: 3
DIOXYGENYL TETRAFLUOROBORATE

mf: BFN₄O₂ mw: 118.81

SAFETY PROFILE: A very powerful oxidant. Explodes in methane or ethane. Ignites in benzene or 2-propanol. When heated to decomposition it emits toxic fumes of F⁻. See also BORON COMPOUNDS and FLUORIDES.

DVU000 CAS: 580-74-5 HR: 3
1,4-DI-p-OXYPHENYL-2,3-DI-ISONITRIL-1,3-BUTADIENE

mf: C₁₈H₁₂N₂O₂ mw: 288.32

PROP: Yellow crystals.

SYNS: OPHTHOCILLIN □ XANTHOCILLIN □ XANTYRID

TOXICITY DATA with REFERENCE:

orl-mus LD50:45 mg/kg ARZNAD 7,98,57

ipr-mus LD50:20 mg/kg ARZNAD 7,98,57

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.
SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

DVU100 CAS: 519-65-3 HR: 2
DIOXYPYRAMIDON

mf: C₁₃H₁₇N₃O₃ mw: 263.33

PROP: Orthorhombic, translucent prisms from water. Somewhat bitter taste. Mp: 105.5° (softens at 96°), bp: (2)

194–201°. Solubility in water at 20° = 7.69 g/100 mL; at 37° = 48.2 g/100 mL. Also sol in alc.

SYNS: 1-ACETYL-2-PHENYL-1,5,5-TRIMETHYL-SEMIOXAM-AZIDE □ (DIMETHYLAMINO)OXO-ACETIC ACID 2-ACETYL-2-METHYL-1-PHENYLHYDRAZIDE (9CI) □ DIOXOAMINO-PYRINE □ DIOXYAMINOPYRINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1631 mg/kg AEPPAE 213,501,51

scu-mus LD50:1066 mg/kg AEPPAE 213,501,51

ivn-mus LD50:698 mg/kg AEPPAE 213,501,51

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

DVU200

HR: 3

DIPALLADIUM TRIOXIDE

mf: Pd₂O₃ mw: 260.80

SAFETY PROFILE: Hydrated oxide explodes when heated. See also PALLADIUM.

DVU300

HR: 2

DIPENICILLIN-G-ALUMINIUMSULFAMETH-OXYPYRIDAZINE

mf: C₄₃H₄₅AlN₈O₁₁S₃ mw: 973.12

SYNS: AB 109 □ DIPENICILLINA-G-ALLUMINIO-SULFAMET-OSSIPYRIDAZINA (ITALIAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:3580 mg/kg BCFAAI 98,453,59

scu-mus LD50:5720 mg/kg BCFAAI 98,453,59

ipr-gpg LD50:3000 mg/kg BCFAAI 98,453,59

scu-gpg LD50:4500 mg/kg BCFAAI 98,453,59

ACGIH TLV: TWA 2 mg(Al)/m³

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also PENICILLIN and ORGANOMETALS.

DVU600

CAS: 18279-20-4

HR: 3

DIPENTYL LEAD DIACETATE

mf: C₁₄H₂₈O₄Pb mw: 467.61

TOXICITY DATA with REFERENCE:

orl-mus LD50:90 mg/kg CRSBAW 162,1456,68

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

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of Pb. See also LEAD COMPOUNDS.

DVU700

CAS: 53213-81-3

HR: D

3,3'-DIPENTYLOXACARBOCYANINE IODIDE

mf: C₂₇H₃₃N₂O₂•I mw: 544.52

SYNS: BENZOXAZOLIUM, 3-PENTYL-2-((3-PENTYL-2(3H)-BENZOXAZOLYLIDENE)-1-PROPENYL)-, IODIDE □ 3-PENTYL-2-((3-PENTYL-2(3H)-BENZOXAZOLYLIDENE)-1-PROPENYL)BENZOXAZOLIUM IODIDE

TOXICITY DATA with REFERENCE:

dnd-ham-ovr 5 mg/L IJHYEQ 7,243,191

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

DVV000

CAS: 2273-46-3

HR: 3

DIPENTYLOXOSTANNANE

mf: C₁₀H₂₂OSn mw: 277.01

SYNS: DIPENTYLTIN OXIDE □ KYSLICNIK DI-n-AMYL-CINICITY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,227,72

eye-rbt 100 mg/24H MOD 28ZPAK -,227,72

orl-rat LD50:55,200 µg/kg 28ZPAK -,227,72

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 and severe skin irritant. When heated to decomposition it emits acrid smoke and fumes. See also TIN COMPOUNDS.

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

DVV109

CAS: 13403-01-5

HR: 3

2-(2,4-DI-tert-PENTYLPHENOXY)BUTYRIC ACID

TOXICITY DATA with REFERENCE:

ipr-rat LD50:400 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVV200

CAS: 1118-42-9

HR: 3

DIPENTYLTIN DICHLORIDE

mf: C₁₀H₂₂Cl₂Sn mw: 331.91

SYN: DICHLORODIPENTYLSTANNANE

TOXICITY DATA with REFERENCE:

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 intravenous route. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS and CHLORIDES.

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

DVV400

HR: 3

2,6-DIPERCHLORYL-4,4'-DIPHENOQUINONE

mf: C₁₂H₆Cl₂O₈ mw: 369.09

SAFETY PROFILE: A shock-sensitive explosive.

When heated to decomposition it emits toxic fumes of Cl⁻.

DVV500

CAS: 537-12-2

HR: 3

DIPERODON HYDROCHLORIDE

mf: C₂₂H₂₇N₃O₄•ClH mw: 433.98

PROP: Crystals; bitter taste followed by a sense of numbness. Decomp @ 195–200°. Sol in alc; sltly sol in water, acetone and ethyl acetate; insol in benzene or ether.

SYNS: DIOTHANE HYDROCHLORIDE □ DIPERDON HYDROCHLORIDE □ 3-PIPERIDINO-1,2-PROPANEDIOL DICARBANILATE HYDROCHLORIDE □ 3-(1-PIPERIDYL)-1,2-PROPANEDIOL DICARBANILATE HYDROCHLORIDE □ PROCTODON

TOXICITY DATA with REFERENCE:

scu-mus LD50:890 mg/kg JAPMA 48,398,59
scu-rbt LDLo:300 mg/kg JPETAB 47,255,33
ivn-rbt LDLo:15 mg/kg JPETAB 47,255,33
scu-gpg LDLo:400 mg/kg JPETAB 47,255,33

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

DVV550 CAS: 1711-42-8 HR: 3 DIPEROXYTEREPHTHALIC ACID

mf: C₈H₆O₆ mw: 198.13

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

DVV600 CAS: 82-66-6 HR: 3 DIPHENADIONE

mf: C₂₃H₁₆O₃ mw: 340.39

PROP: Pale-yellow crystals from alc. Mp: 147°. Sol in Me₂CO and AcOH; sltly sol in C₆H₆.

SYNS: DIDANDIN □ DIPAXIN □ DIPHACIN □ DIPHACIN-ONE □ DIPHENACIN □ 2-DIPHENYLACETYL-1,3-DIKETO-HYDRINDENE □ 2-(DIPHENYLACETYL)INDAN-1,3-DIONE □ 2-DIPHENYLACETYL-1,3-INDANDIONE □ 2-(DIPHENYL-ACETYL)-1H-INDENE-1,3(2H)-DIONE □ PID □ PROMAR □ RAMIK □ RATINDAN 1 □ U 1363

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 µg/kg 85DPAN -,71/76
ihl-rat LC50:2 g/m³/4H PEMNDP 9,310,91
orl-mus LD50:28,300 µg/kg NNGADV 17,8319,92
orl-dog LD50:3 mg/kg 28ZEAL 5,84,76
orl-cat LD50:15 mg/kg PCOC** -,429,66
orl-rbt LD50:35 mg/kg 85DPAN -,71/76
orl-pig LD50:150 mg/kg 28ZEAL 5,84,76
orl-mam LD50:910 µg/kg SCIEAS 177,806,72

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion. Inhibits blood clotting, leading to hemorrhages. Action similar to coumadin (warfarin). A pesticide used in rodent control. When heated to decomposition it emits acrid smoke and irritating fumes.

DVV800 CAS: 1210-05-5 HR: 2 DIPHENALDEHYDE

mf: C₁₄H₁₀O₂ mw: 210.24

SYNS: 2,2'-BIPHENYLDICARBOXALDEHYDE □ 2,2'-DIFORMYLBIPHENYL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD IHFCAY 6,1,67
eye-rbt 500 mg SEV IHFCAY 6,1,67
orl-rat LD50:2830 mg/kg IHFCAY 6,1,67

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

DVW000 CAS: 1798-49-8 HR: 3 DIPHENCHLOXAZINE HYDROCHLORIDE

mf: C₁₉H₂₂ClNO₂•ClH mw: 368.33

PROP: A solid. Mp: 140–141°.

SYN: PHENYL-p-CHLOROPHENYLTETRAHYDRO-1,4-OXAZINYLETHOXYMETHANE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:710 mg/kg 27ZQAG -,223,72
scu-mus LD50:368 mg/kg YKKZAJ 87,1109,67
ivn-mus LD50:140 mg/kg 27ZQAG -,223,72

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

DVW100 CAS: 82-21-3 HR: 1 1,5-DIPHENOXYANTHRAQUINONE

mf: C₂₆H₁₆O₄ mw: 392.42

SYNS: 9,10-ANTHRACENEDIONE, 1,5-DIPHENOXY- □ 1,5-DIPHENOXYANTHRACHINON

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,705,86
orl-mus LD:>12 g/kg GTPZAB 31(1),49,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVW600 CAS: 622-04-8 HR: 3 1,3-DIPHENOXY-2-PROPANOL

mf: C₁₅H₁₆O₃ mw: 244.31

SYN: GLYCERYL-α,γ-DIPHENYL ETHER

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51
orl-rat LD50:1450 mg/kg AMIHBC 4,119,51
ivn-mus LD50:180 mg/kg CSLNX* NX#04474
skn-rbt LD50:15,800 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVW700 CAS: 132-18-3 HR: 3 DIPHENPYRALINE HYDROCHLORIDE

mf: C₁₉H₂₃NO•ClH mw: 317.89

PROP: Off-white crystals from 2-propanol/Et₂O. Mp: 206°. Sol in H₂O and EtOH; insol in C₆H₆ and Et₂O.

SYNS: DIAFEN □ DIAFEN (antihistamine) □ DIAFEN HYDROCHLORIDE □ DIAPHEN □ DIPHENYLPYRALINE HYDROCHLORIDE □ HISPRIL HYDROCHLORIDE □ SUMADIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:698 mg/kg NIIRDN 6,333,82
scu-rat LD50:278 mg/kg NIIRDN 6,333,82
ivn-rat LD50:28,800 mg/kg NIIRDN 6,333,82

ims-rat LD50:180 mg/kg NIIRDN 6,333,82
 orl-mus LD50:202 mg/kg NIIRDN 6,333,82
 scu-mus LD50:112 mg/kg NIIRDN 6,333,82
 ivn-mus LD50:31,800 µg/kg NIIRDN 6,333,82
 ims-mus LD50:64,300 µg/kg NIIRDN 6,333,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVW750 CAS: 621-09-0 HR: 3
N,N'-DIPHENYLACETAMIDINE

mf: C₁₄H₁₄N₂ mw: 210.30

SYN: ACETAMIDINE, N,N'-DIPHENYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:610 mg/kg THERAP 21,1327,66
 scu-mus LD50:250 mg/kg APFRAD 40,231,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVW800 CAS: 117-34-0 HR: 3
DIPHENYLACETIC ACID

mf: C₁₄H₁₂O₂ mw: 212.26

PROP: White crystals or leaflets from alc. Mp: 149°, bp: sublimes, vap d: 7.3.

SYNS: α,α-DIPHENYLACETIC ACID □ α-PHENYLBENZENE-ACETIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:5540 mg/kg GNAMAP 17,48,78
 orl-mus LD50:3200 mg/kg GNAMAP 17,48,78
 ipr-mus LD50:500 mg/kg FRPSAX 13,286,58
 scu-mus LD50:400 mg/kg AIPTAK 116,154,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVW900 CAS: 1984-87-8 HR: 2
DIPHENYLACETIC ACID 2-(BIS(2-HYDROXY-ETHYL)AMINO)ETHYL ESTER HYDROCHLORIDE

mf: C₂₀H₂₅NO₄•ClH mw: 379.92

SYN: ACETIC ACID, DIPHENYL-, 2-(BIS(2-HYDROXYETHYL)-AMINO)ETHYL ESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-cat 5% APPHAX 21,557,64
 scu-mus LD50:1380 mg/kg APPHAX 21,557,64

SAFETY PROFILE: Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl.

DVX200 CAS: 86-29-3 HR: 3
DIPHENYLACETONITRILE

mf: C₁₄H₁₁N mw: 193.26

PROP: A solid. Mp: 75–76°, bp: 181° @ 12 mm.

SYNS: BENZYHYDRILCYANIDE □ α-CYANODIPHENYLMETHANE □ DIPAN □ DIPHENATRILE □ DIPHENYL-α-CYANOMETHANE □ DIPHENYLMETHYL-CYANIDE □ α-PHENYLBENZYL CYANIDE □ α-PHENYL-PHENYLACETONITRILE □ USAF KF-13

TOXICITY DATA with REFERENCE:

orl-rat LD50:3500 mg/kg RREVAH 10,97,65
 ipr-mus LD50:200 mg/kg NTIS** AD691-490
 ivn-mus LD50:100 mg/kg CSLNX* NX#04134

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

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by subcutaneous route. Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

DVX400 CAS: 74548-80-4 HR: 2
O,O-DIPHENYL (1-ACETOXY-2,2,2-TRICHLORO-ETHYL)PHOSPHONATE

mf: C₁₆H₁₄Cl₃O₅P mw: 423.62

SYNS: (1-(ACETYLOXY)-2,2,2-TRICHLOROETHYL)-PHOSPHONIC ACID DIPHENYL ESTER □ APHOS □ PHOSPHONIC ACID, (1-(ACETYLOXY)-2,2,2-TRICHLORO-ETHYL)-, DIPHENYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:3280 mg/kg ZSRB SX (6),36,85
 unr-rat LD50:2134 mg/kg GISAAA 50(3),57,85
 orl-mus LD50:1720 mg/kg ZSRB SX (6),36,85

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of PO_x and Cl⁻.

DVX500 CAS: 1871-76-7 HR: 1
2,2-DIPHENYLACETYL CHLORIDE

mf: C₁₄H₁₁ClO mw: 230.70

SYNS: ACETYL CHLORIDE, DIPHENYL- □ DIPHENYLACETIC ACID CHLORIDE □ DIPHENYLACETYL CHLORIDE □ α-α-DIPHENYLACETYL CHLORIDE □ DPAC

TOXICITY DATA with REFERENCE:

orl-rat LD50:6330 mg/kg GNAMAP 17,48,78
 orl-mus LD50:4700 mg/kg GNAMAP 17,48,78

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

DVX600 CAS: 2510-95-4 HR: 3
2,3-DIPHENYLACRYLONITRILE

mf: C₁₅H₁₁N mw: 205.27

SYNS: BENZAL-(BENZYL-CYANID) (GERMAN) □ BENZYLIDENEPHENYLACETONITRILE □ α-CYANO-STILBENE □ α,β-DIPHENYLACRYLONITRILE □ F 2387 □ α-PHENYLCINNAMONITRILE □ α-(PHENYLMETHYLENE)-BENZENEACETONITRILE □ α-STILBENECARBONITRILE □ USAF A-9789

TOXICITY DATA with REFERENCE:

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

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

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

VDX800 CAS: 122-39-4 HR: 3
DIPHENYLAMINE

mf: $\text{C}_{12}\text{H}_{11}\text{N}$ mw: 169.24

PROP: Crystals; floral odor. Mp: 52.9° , bp: 302.0° , flash p: 307°F (CC), d: 1.16, autoign temp: 1173°F , vap press: 1 mm @ 108.3° , vap d: 5.82. Sol in benzene, ether, and carbon disulfide; insol in water.

SYNS: ANILINO BENZENE □ BIG DIPPER □ C.I. 10355 □ DFA □ N,N-DIPHENYLAMINE □ DPA □ NO SCALD □ N-PHENYLANILINE □ N-PHENYLBENZENAMINE □ SCALDIP

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg GISAAA 41(5),21,76

orl-mus LD50:1750 mg/kg GISAAA 41(5),21,76

orl-gpg LD50:300 mg/kg FMCHA2 -,C85,83

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

OSHA PEL: TWA 10 mg/ m^3

ACGIH TLV: TWA 10 mg/ m^3 ; Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion. Experimental teratogenic effects. Action similar to aniline but less severe. Combustible when exposed to heat or flame. Can react violently with hexachloromelamine or trichloromelamine. Can react with oxidizing materials. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits highly toxic fumes of NO_x . See also ANILINE, AMINES, and AROMATIC AMINES.
ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #22.

DVY000 CAS: 587-84-8 HR: 3
DIPHENYLAMINE HYDROGEN SULFATE

mf: $\text{C}_{12}\text{H}_{11}\text{N} \cdot \text{H}_2\text{O}_4\text{S}$ mw: 267.32

PROP: White to yellowish powder. Mp: $123-125^\circ$. Insol in water; sol in alcohol and sulfuric acid.

SYNS: DIPHENYLAMINE SULFATE □ USAF EK-743

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 NO_x . See also SULFATES.

DVY050 CAS: 16758-26-2 HR: 1
DIPHENYLAMINOCHLOROARSINE

mf: $\text{C}_{12}\text{H}_{10}\text{AsClN}$ mw: 278.60

SYNS: ARSONAMIDOUS CHLORIDE, N,N-DIPHENYL- □ N,N-DIPHENYLARSONAMIDOUS CHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 0.5 mg MLD RNS AIHAAP 23,194,1962

ivn-rbt LD50:6 mg/kg AIHAAP 23,194,1962

ihl-hmn TCLo:38 mg/ m^3 /2M:EYE,GIT,PUL AIHAAP 23,199,1962

ihl-rat LC50:3700 mg/ m^3 /90M AIHAAP 23,194,1962

ihl-mus LC50:22,400 mg/ m^3 /90M AIHAAP 23,194,1962

ihl-gpg LC50:7900 mg/ m^3 /90M AIHAAP 23,194,1962

SAFETY PROFILE: Low toxicity by inhalation. Human systemic effects. A mild eye irritant. When heated to decomposition it emits toxic vapors of NO_x , As, and Cl^- .

DVY100 CAS: 6217-24-9 HR: 3
DIPHENYLARSINOUS ACID

mf: $\text{C}_{12}\text{H}_{11}\text{AsO}$ mw: 246.15

SYNS: ARSINE, DIPHENYLHYDROXY- □ ARSINE, HYDROXYDIPHENYL- □ DIPHENYLHYDROXYARSINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:10 mg/kg PHBUA9 2,19,54

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

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

DVY300 CAS: 24259-89-0 HR: 3
2,7-DIPHENYLBENZO(Imn)(3,8)PHENANTHROLINE-1,3,6,8(2H,7H)-TETRONE

mf: $\text{C}_{26}\text{H}_{14}\text{N}_2\text{O}_4$ mw: 418.41

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:0.42 mg/kg FRMCE8 55,319,2000

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

DVY800 CAS: 1103-05-5 HR: 3
DIPHENYLBIS(PHENYLTHIO)TIN

mf: $\text{C}_{24}\text{H}_{20}\text{S}_2\text{Sn}$ mw: 491.25

PROP: White solid from EtOH. Mp: $65-66^\circ$. Sol in org solvs.

SYN: DIPHENYLBIS(PHENYLTHIO)STANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#01644

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

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

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

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

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

DVY875 CAS: 76487-65-5 HR: D
trans-2-(p-(1,2-DIPHENYL-1-BUTENYL)PHEN- OXY)-N,N-DIMETHYLETHYLAMINE CITRATE

mf: $\text{C}_{26}\text{H}_{29}\text{NO} \cdot \text{C}_6\text{H}_8\text{O}_7$ mw: 563.70

SYN: ICI 47,699 CITRATE

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

DVY900 CAS: 20930-10-3 HR: 2
1,1-DIPHENYL-2-BUTYNYL-N-CYCLOHEXYLCARBAMATE

mf: $\text{C}_{23}\text{H}_{25}\text{NO}_2$ mw: 347.49

SYN: CYCLOHEXANECARBAMIC ACID, 1,1-DIPHENYL-2-BUTYNYL ESTER

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

DVY925 CAS: 140-22-7 HR: D
1,5-DIPHENYLCARBAZIDE

mf: C₁₃H₁₄N₄O mw: 242.31

SYNS: CARBOHYDRAZIDE, 1,5-DIPHENYL- □ CARBONIC DIHYDRAZIDE, 2,2'-DIPHENYL-(9CI) □ DIPHENYLCARBAZIDE □ N,N'-DIPHENYLCARBAZIDE □ sym-DIPHENYLCARBAZIDE □ 2,2'-DIPHENYLCARBAZIDE □ 1,5-DIPHENYLCARBOHYDRAZIDE □ 2,2'-DIPHENYLCARBONIC DIHYDRAZIDE □ DPC

TOXICITY DATA with REFERENCE:

dnr-esc 200 µg/well MUREAV 133,161,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVY950 CAS: 538-62-5 HR: D
1,5-DIPHENYLCARBAZONE

mf: C₁₃H₁₂N₄O mw: 240.29

SYNS: DIAZENECARBOXYLIC ACID, PHENYL-, 2-PHENYLHYDRAZIDE (9CI) □ DIPHENYLCARBAZONE □ s-DIPHENYLCARBAZONE □ FORMIC ACID, (PHENYLazo)-, 2-PHENYLHYDRAZIDE □ PHENYLDIAZENECARBOXYLIC ACID 2-PHENYLHYDRAZIDE

TOXICITY DATA with REFERENCE:

dnr-esc 1200 ng/well MUREAV 133,161,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVZ000 CAS: 102-09-0 HR: 2
DIPHENYL CARBONATE

mf: C₁₃H₁₀O₃ mw: 214.23

PROP: Needles. Mp: 78°, bp: 306°.

SYNS: CARBONIC ACID, DIPHENYL ESTER □ PHENYL CARBONATE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DVZ050 CAS: 57625-97-5 HR: 3
2-(2,2-DIPHENYLCYCLOPROPYL)-4,5-DIHYDRO-1H-IMIDAZOLE SUCCINATE (2:1)

mf: C₃₆H₃₆N₄•C₄H₆O₄ mw: 642.86

SYN: 1H-IMIDAZOLE,4,5-DIHYDRO-2-(2,2-DIPHENYLCYCLOPROPYL)-, SUCCINATE(2:1)

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:300 mg/kg/22W-I:EYE,CNS IEDIEP 35,512,1996

ivn-mus LD50:41,500 µg/kg KSRNAM 22,4485,1988

SAFETY PROFILE: A poison by intravenous route. Human systemic effects: ocular ptosis, muscle weakness. When heated to decomposition it emits toxic vapors of NO_x.

DVZ100 CAS: 883-40-9 HR: 3
1,1'-DIPHENYLDIAZOMETHANE

mf: C₁₃H₁₀N₂ mw: 194.25

SYNS: BENZENE, 1,1'-(DIAZOMETHYLENE)BIS- □ DIAZO-DIPHENYLMETHANE (DOT) □ METHANE, DIAZODIPHENYL-DOT **CLASSIFICATION:** Forbidden

SAFETY PROFILE: An unstable substance forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x.

DWA400 CAS: 25868-47-7 HR: 3
DIPHENYLDICHLORO TIN DIPYRIDINE complex

mf: C₂₂H₂₀Cl₂N₂Sn mw: 502.03

SYN: DICHLORODIPHENYLSTANNANE complex with PYRIDINE (1:2)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:14 mg/kg CSLNX* NX#02208

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

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

DWA500 CAS: 2652-77-9 HR: 3
DIPHENYLDIKETOPYRAZOLIDINE

mf: C₁₅H₁₅N₂O₂ mw: 252.29

PROP: Plates from EtOH. Mp: 178–179°.

SYNS: DA 339 □ DIFENILDICHETOPIRAZOLIDINA (ITALIAN) □ 1,2-DIPHENYL-3,5-DIOXOPYRAZOLIDIN (GERMAN) □ 1,2-DIPHENYL-3,5-PYRAZOLIDINEDIONE □ G 14744

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg MPHEAE 16,536,67

ipr-rat LD50:338 mg/kg AIPTAK 132,16,61

orl-mus LD50:574 mg/kg MPHEAE 16,536,67

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

DWA600 CAS: 14148-99-3 HR: 3
1,2-DIPHENYL-1-(DIMETHYLAMINO)ETHANE

mf: C₁₆H₁₉N•ClH mw: 261.82

PROP: A solid. Mp: 218–220°.

SYNS: (R) (-)-N,N-DIMETHYL-1,2-DIPHENYLETHYLAMINE HYDROCHLORIDE □ (R)-N,N-DIMETHYL-α-PHENYLBENZENEETHANAMINE, HYDROCHLORIDE □ SPA

TOXICITY DATA with REFERENCE:

orl-rat LD50:300 mg/kg DRFUD4 2,39,77

scu-rat LD50:148 mg/kg AIPTAK 221,105,76

orl-mus LD50:176 mg/kg DRFUD4 2,39,77

scu-mus LD50:104 mg/kg DRFUD4 2,39,77

ivn-mus LD50:32,600 µg/kg DRFUD4 2,39,77

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

DWA700 CAS: 56767-15-8 HR: 2
3,3-DIPHENYL-3-DIMETHYLCARBAMOYL-1-PROPENE

mf: C₁₈H₁₇NO mw: 263.36

SYN: N,N-DIMETHYL- α -ETHYNYL- α -PHENYLBENZENEACETAMIDE

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

DWA800 HR: 3
1,3-DIPHENYL-1,3-EPIDIOXY-1,3-DIHYDROISO-BENZOFURAN

mf: C₂₀H₁₄O₃ mw: 302.33

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

DWB000 CAS: 5959-42-2 HR: 3
DIPHENYLETHANOLAMINE HYDROCHLORIDE

mf: C₁₄H₁₅NO•ClH mw: 249.76

SYNS: α -(α -AMINO BENZYL) BENZYL ALCOHOL HYDROCHLORIDE □ 2-AMINO-1,2-DIPHENYLETHANOL HYDROCHLORIDE □ β -AMINO- α -PHENYLBENZENE-ETHANOL HDYROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:336 mg/kg JAPMA8 39,354,50

ivn-rbt LDLo:60 mg/kg JACSAT 52,3317,30

scu-gpg LDLo:450 mg/kg JACSAT 52,3317,30

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

DWB300 CAS: 24301-89-1 HR: 3
1,2-DIPHENYLETHYLAMINE HYDROCHLORIDE

mf: C₁₄H₁₅N•ClH mw: 233.76

TOXICITY DATA with REFERENCE:

ivn-rat LD50:45 mg/kg JPETAB 77,317,43

ipr-mus LD50:175 mg/kg JPHYA7 98,424,40

scu-mus LDLo:222 mg/kg JAPMA8 39,354,50

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

DWB400 CAS: 150-61-8 HR: 2
N,N'-DIPHENYLETHYLENEDIAMINE

mf: C₁₄H₁₆N₂ mw: 212.32

SYNS: N,N'-DIFENYLETHYLENDIAMIN □ ETHYLENEDIAMINE, N,N'-DIPHENYL-

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWB800 CAS: 1241-94-7 HR: 3
DIPHENYL-2-ETHYLHEXYL PHOSPHATE

mf: C₂₀H₂₇O₄P mw: 362.44

SYNS: 2-ETHYL-1-HEXANOL ESTER with DIPHENYL PHOSPHATE □ 2-ETHYLHEXYL DIPHENYL ESTER PHOSPHORIC ACID □ 2-ETHYLHEXYL

DIPHENYLPHOSPHATE □ SANTICIZER 141 (MONSANTO)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:10 g/kg TSCAT* OTS 206227

ipr-mus LD50:930 mg/kg TSCAT* OTS 206227

ivn-rbt LDLo:272 mg/kg AMIHBC 8,170,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWB875 HR: 3
4,4-DIPHENYL-1-ETHYLPIPERIDINE MALEATE

mf: C₁₉H₂₃N•C₄H₄O₄ mw: 381.51

TOXICITY DATA with REFERENCE:

orl-mus LD50:150 mg/kg ARZNAD 34,233,84

ivn-mus LD50:45 mg/kg ARZNAD 34,233,84

scu-mus LD50:85 mg/kg ARZNAD 34,233,84

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

DWC000 HR: 3
N-(1,2-DIPHENYLETHYL)-2-(PYRROLIDINYL)-ACETAMIDE HYDROCHLORIDE

mf: C₂₀H₂₄N₂O•ClH mw: 344.92

SYN: C 3155

TOXICITY DATA with REFERENCE:

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

ipr-rat LD50:84 mg/kg ARZNAD 8,609,58

scu-mus LD50:247 mg/kg ARZNAD 8,609,58

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

DWC050 CAS: 53067-74-6 HR: 3
3,3-DIPHENYL-2-ETHYL-1-PYRROLINE

mf: C₁₈H₁₉N mw: 249.38

TOXICITY DATA with REFERENCE:

ipr-rat LD50:335 mg/kg AIPTAK 115,332,58

ivn-rat LD50:42 mg/kg AIPTAK 115,332,58

orl-mus LD50:1350 mg/kg AIPTAK 115,332,58

ipr-mus LD50:118 mg/kg AIPTAK 115,332,58

ivn-mus LD50:57 mg/kg AIPTAK 115,332,58

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

DWC100 CAS: 60662-79-5 HR: 3
3,3-DIPHENYL-3-(ETHYLSULFONYL)-N,N,1-TRIMETHYLPROPYLAMINE HYDROCHLORIDE

mf: C₂₀H₂₇NO₂S•ClH mw: 382.00

SYNS: γ -(ETHYLSULFONYL)-N,N, α -TRIMETHYL- γ -PHENYLBENZENEPROPANAMINE HYDROCHLORIDE □ I-C 26 □ WIN-1161-3

TOXICITY DATA with REFERENCE:

ipr-mus LD50:36 mg/kg CPBTAL 6,109,58

scu-mus LD50:102 mg/kg CPBTAL 6,109,58

ivn-dog LD50:26 mg/kg CPBTAL 6,109,58

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

DWC600 CAS: 102-06-7 HR: 3
DIPHENYLGUANIDINE

mf: C₁₃H₁₃N₃ mw: 211.29

PROP: White powder or needles from alc. Mp: 150°, d: 1.115 @ 25°. Sol in Et₂O, CHCl₃, and dil acids; sltly sol in H₂O.

SYNS: N,N'-DIPHENYLGUANIDINE □ 1,3-DIPHENYL-GUANIDINE □ DPG □ DPG ACCELERATOR □ DWUFENYLO-GUANIDYNA (POLISH) □ MELANILINE □ NCI-C60924 □ USAF B-19 □ USAF EK-1270 □ VULCACID D □ VULKACIT D/C □ VULKAZIT

TOXICITY DATA with REFERENCE:

mno-sat 360 ng/plate JEPOEC 6,293,85
 mma-sat 33 µg/plate ENMUDM 8(Suppl 7),1,86
 bfa-mus/sat 36 ng/kg JEPOEC 6,293,85
 orl-rat LD50:375 mg/kg GISAAA 29(7),34,64
 ipr-rat LD50:75 mg/kg MEPAAX 16,35,65
 orl-mus LD50:150 mg/kg SCIEAS 36(1-4),10,89
 ipr-mus LD50:25 mg/kg NTIS** AD277-689
 orl-mam LDLo:250 mg/kg JIDHAN 13,87,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWC625 CAS: 24245-27-0 HR: 3
sym-DIPHENYLGUANIDINE HYDROCHLORIDE

mf: C₁₃H₁₃N₃•ClH mw: 247.75

SYN: GUANIDINE, 1,3-DIPHENYL-, MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:59 mg/kg JPETAB 28,251,26
 orl-uns LDLo:250 mg/kg JIDHAN 13,87,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWC650 CAS: 4657-20-9 HR: D
2,6-DIPHENYL-2,4,6,6,8,8-HEXAMETHYL-CYCLOTETRAILOXANE

mf: C₁₈H₂₈O₄Si₄ mw: 420.82

SYN: CYCLOTETRAILOXANE, 2,6-DIPHENYL-2,4,4,6,8,8-HEXAMETHYL-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWD000 HR: 3
DIPHENYLHYDANTOIN and PHENOBARBITAL

SYNS: PHENOBARBITOL and DIPHENYLHDANTOIN □ PHENOBARBITONE and PHENOBARBITONE □ PHENYTOIN and PHENOBARBITONE

SAFETY PROFILE: A human teratogen. Human reproductive effects: developmental abnormalities of the eye, ear, central nervous system, craniofacial, musculoskeletal, urogenital and cardiovascular system. Effects on newborn including growth statistics and physical effects. See also BARBITURATES.

DWD100 CAS: 530-50-7 HR: D
1,1-DIPHENYLHYDRAZINE

mf: C₁₂H₁₂N₂ mw: 184.26

SYNS: N,N-DIPHENYLHYDRAZINE □ α,α-DIPHENYLHYDRAZINE □ HYDRAZINE, 1,1-DIPHENYL-

TOXICITY DATA with REFERENCE:

mic-sat 130 nmol/plate MUREAV 278,215,1992

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

DWD200 CAS: 53421-38-8 HR: 3
3,3-DIPHENYL-3-HYDROXYPROPIONIC ACID DIETHYLAMINOETHYL ESTER HYDROCHLORIDE

mf: C₂₀H₂₇NO₃•ClH mw: 365.94

SYN: DPE-HCl

TOXICITY DATA with REFERENCE:

orl-rat LD50:2310 mg/kg NIIRDN 6,332,82
 scu-rat LD50:330 mg/kg NIIRDN 6,332,82
 ivn-rat LD50:27,500 µg/kg NIIRDN 6,332,82
 orl-mus LD50:418 mg/kg NIIRDN 6,332,82
 ipr-mus LD50:140 mg/kg JPETAB 74,274,42
 scu-mus LD50:280 mg/kg NIIRDN 6,332,82
 ivn-mus LD50:27,500 µg/kg NIIRDN 6,332,82

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

DWD300 CAS: 62613-15-4 HR: 3
DIPHENYLIDONIUM HEXAFLUORO-ARSENATE (1-)

mf: C₁₂H₁₀I•AsF₆ mw: 470.04

SYN: IODONIUM, DIPHENYL-, HEXAFLUOROARSENATE (1-)

TOXICITY DATA with REFERENCE:

orl-rat LD50:49 mg/kg TOXID9 8,137,88
 ihl-rat LC50:1750 mg/m³ TOXID9 8,137,88
 ivn-rat LD50:20 mg/kg TOXID9 8,137,88
 ocu-rbt LDLo:50 mg/kg TOXID9 8,137,88

SAFETY PROFILE: A poison by ingestion, inhalation, intravenous, and ocular routes. When heated to decomposition it emits toxic vapors of As and F⁻.

DWD400 HR: 3
3,4-DIPHENYL-1-ISOBUTYLPYRAZOLE-5-ACETIC ACID SODIUM SALT

mf: C₂₁H₂₁N₂O₂•Na mw: 356.43

SYNS: 1-ISOBUTYL-3,4-DIPHENYLPYRAZOLE-5-ACETIC ACID SODIUM SALT □ LM 22070

TOXICITY DATA with REFERENCE:

orl-rat LD50:46 mg/kg AIPTAK 238,305,79
 orl-mus LD50:320 mg/kg AIPTAK 238,305,79

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

DWD800 CAS: 587-85-9 HR: 3**DIPHENYLMERCURY**mf: C₁₂H₁₀Hg mw: 354.81**PROP:** White crystals or needles from alc. D: 2.318, mp: 124.5–125° (sublimes), bp: 204° @ 10.5 mm. Insol in water.**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:500 mg/kg NCNSA6 5,30,53

ipr-rat LDLo:50 mg/kg NCNSA6 5,30,53

ipr-mus LDLo:250 mg/kg CBCCT* 4,231,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Incompatible with nonmetal oxides. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS.**DWE200 CAS: 18656-25-2 HR: 3****2-(DIPHENYLMETHOXY)ACETAMIDOXIME
HYDROGEN MALEATE**mf: C₁₅H₁₆N₂O₂•C₄H₄O₄ mw: 372.41**TOXICITY DATA with REFERENCE:**

orl-mus LD50:450 mg/kg ARZNAD 17,1446,67

ivn-mus LD50:33 mg/kg ARZNAD 17,1446,67

ivn-cat LDLo:8 mg/kg ARZNAD 17,1446,67

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**DWE800 CAS: 524-83-4 HR: 3****3-(DIPHENYLMETHOXY)-8-ETHYLNOR-
TROPANE**mf: C₂₂H₂₇NO mw: 321.50**SYNS:** 3-α-(DIPHENYLMETHOXY)-8-ETHYLNORTROPANE □ endo-3-(DIPHENYLMETHOXY)-8-ETHYL-8-AZABICYCLO(3.2.1)OCTANE □ ETHYBENZTROPINE □ ETHYLBENATROPINE □ ETHYLBENZTROPINE □ N-ETHYLNORTROPINE BENZHYDRYL ETHER □ ETYBENZATROPINE □ PANOLID □ PONTALID □ PONTALIDE □ UK-738 □ VK-738**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:560 mg/kg 27ZQAG -,228,72

orl-mus LDLo:66 mg/kg 27ZQAG -,228,72

ivn-mus LD50:12 mg/kg EJPHAZ 9,304,70

orl-rbt LDLo:215 mg/kg 27ZQAG -,228,72

ivn-rbt LDLo:6 mg/kg 27ZQAG -,228,72

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x. See also ETHERS.**DWF000 CAS: 606-90-6 HR: 3**
4-(DIPHENYLMETHOXY)-1-METHYLPYPERIDINE**CHLOROTHEOPHYLLINE**mf: C₁₉H₂₃NO•C₇H₇ClN₄O₂ mw: 496.06**PROP:** Minute crystals. Mp: 151°.**SYN:** P 284**TOXICITY DATA with REFERENCE:**

orl-mus LD50:275 mg/kg ARZNAD 5,185,55

ivn-mus LD50:75 mg/kg ARZNAD 5,185,55

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also THEOPHYLLINE.**DWF200 CAS: 1146-95-8 HR: 3****2-DIPHENYLMETHYLENEBUTYLAMINE
HYDROCHLORIDE**mf: C₁₇H₁₉N•ClH mw: 273.83**PROP:** A solid. Mp: 232°.**SYNS:** EDPA HYDROCHLORIDE □ 2-ETHYL-3,3-DIPHENYL-2-PROPENYLAMINE HYDROCHLORIDE □ ETIFELMIN HYDROCHLORIDE □ GILUTENSIN □ Na III HYDROCHLORIDE □ TENSINASE D**TOXICITY DATA with REFERENCE:**

orl-rat LD50:139 mg/kg NIIRDN 6,112,82

ipr-rat LD50:23,400 µg/kg NIIRDN 6,112,82

scu-rat LD50:91,300 µg/kg NIIRDN 6,112,82

orl-mus LD50:115 mg/kg NIIRDN 6,112,82

ipr-mus LD50:45,500 µg/kg NIIRDN 6,112,82

scu-mus LD50:73,400 µg/kg NIIRDN 6,112,82

ivn-mus LD50:33,900 µg/kg NIIRDN 6,112,82

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DWF300 CAS: 52236-34-7 HR: D****4-(DIPHENYLMETHYLENE)-2-ETHYL-3-
METHYLCYCLOHEXANOL ACETATE**mf: C₂₄H₂₈O₂ mw: 348.52**SYNS:** 1-DIPHENYLMETHYLENYL-2-METHYL-3-ETHYL-4-ACETOXYCYCLOHEXANE □ ORF 8511**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:750 µg/kg (female 1-3D post):REP CCPTAY 9,393,74

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**DWF700 CAS: 57726-65-5 HR: 3**
**2-(3,3-DIPHENYL-3-(5-METHYL-1,3,4-OXADIAZOL-2-YL)PROPYL)-2-AZABICYCLO(2.2.2)-
OCTANE**mf: C₂₅H₂₉N₃O mw: 387.57**PROP:** A solid. Mp: 121–123°.**SYNS:** 2-(3-(5-METHYL-1,3,4-OXADIAZOL-2-YL)-3,3-DIPHENYLPROPYL)-2-AZABICYCLO(2.2.2)OCTANE □ NUFENOXOLE □ SC 27166 □ SEARLE 27166**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:21 mg/kg JPETAB 210,327,79

orl-mus LD50:399 mg/kg NICHAS 28,1621,79

ipr-mus LD50:95 mg/kg NICHAS 38,1621,79

scu-mus LD50:258 mg/kg NICHAS 38,1621,79

ivn-mus LD50:12 mg/kg NICHAS 38,1621,79

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

DWF865 CAS: 19841-73-7 HR: 3
4-DIPHENYLMETHYLPIPERIDINE

mf: C₁₈H₂₁N mw: 251.40

TOXICITY DATA with REFERENCE:

ipr-mus LD50:30 mg/kg JMCAR 15,690,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWF869 HR: 3
4,4-DIPHENYL-1-METHYLPIPERIDINE
MALEATE

mf: C₁₈H₂₁N•C₄H₄O₄ mw: 367.48

TOXICITY DATA with REFERENCE:

orl-mus LD50:140 mg/kg ARZNAD 34,233,84

scu-mus LD50:80 mg/kg ARZNAD 34,233,84

ivn-mus LD50:45 mg/kg ARZNAD 34,233,84

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

DWF875 CAS: 101564-67-4 HR: 3
5,5-DIPHENYL-3-(3-(2-METHYLPIPERIDINO)-
PROPYL)-2-THIOHYDANTOIN
HYDROCHLORIDE

mf: C₂₄H₂₉N₃OS•ClH mw: 444.08

SYNS: 5,5-DIPHENYL-3-(3-(2-METHYLPIPERIDINO)PROPYL)-2-THIOHYDANTOIN MONOHYDROCHLORIDE □ 3-γ-(α-METIL-1-PIPERIDINO)PROPI-5,5-DIFENILTIOIDANTOINA CLORIDRATO (ITALIAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:25 mg/kg FRPSAX 15,809,60

scu-mus LD50:25 mg/kg FRPSAX 15,809,60

ivn-rbt LD50:3630 µg/kg FRPSAX 15,809,60

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO₂, NO_x and HCl.

DWG600 HR: 3
α-2,2-DIPHENYL-4-(1-METHYL-2-PIPERIDYL)-
1,3-DIOXOLANE HYDROCHLORIDE

mf: C₂₁H₂₅NO₂•ClH mw: 359.93

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg JMCAR 9,127,66

ivn-mus LD50:25 mg/kg JMCAR 9,127,66

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

DWH000 HR: 3
β-2,2-DIPHENYL-4-(1-METHYL-2-PIPERIDYL)-
1,3-DIOXOLANE HYDROCHLORIDE

mf: C₂₁H₂₅NO₂•ClH mw: 359.93

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg JMCAR 9,127,66

ivn-mus LD50:75 mg/kg JMCAR 9,127,66

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

DWH200 HR: 3
α-2,2-DIPHENYL-4-(1-METHYL-2-PIPERIDYL)-
1,3-DIOXOLANE METHYLIDIDE

mf: C₂₁H₂₅NO₂•CH₃I mw: 465.41

TOXICITY DATA with REFERENCE:

orl-mus LD50:800 mg/kg JMCAR 9,127,66

ipr-mus LD50:75 mg/kg JMCAR 9,127,66

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

DWH500 CAS: 102280-81-9 HR: 3
3,3-DIPHENYL-2-METHYL-1-PYRROLINE

mf: C₁₇H₁₇N mw: 235.35

TOXICITY DATA with REFERENCE:

ipr-rat LD50:310 mg/kg AIPTAK 115,332,58

orl-mus LD50:560 mg/kg AIPTAK 115,332,58

ivn-mus LD50:47 mg/kg AIPTAK 115,332,58

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

DWH550 CAS: 778-25-6 HR: D
DIPHENYLMETHYLSILANOL

mf: C₁₃H₁₄OSi mw: 214.36

PROP: Crystals. Mp: 165–166°, bp: 130–134° @ 2 mm.

SYN: SILANOL, DIPHENYLMETHYL-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWH600 CAS: 545-91-5 HR: 3
4,4-DIPHENYL-6-MORPHOLINO-3-HEPTANONE
HYDROCHLORIDE

mf: C₂₃H₂₉NO₂•ClH mw: 387.99

PROP: A solid. Mp: 224–225° (decomp). Insol in C₆H₆.

TOXICITY DATA with REFERENCE:

scu-rat LD50:132 mg/kg JPETAB 98,305,50

orl-mus LD50:208 mg/kg FSTEAI 5,185,50

ipr-mus LD50:131 mg/kg JACSAT 71,57,49

scu-mus LD50:110 mg/kg JPETAB 98,121,50

ivn-mus LD50:48 mg/kg JPETAB 98,305,50

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

DWH800 CAS: 63765-88-8 HR: 3
4,4-DIPHENYL-6-MORPHOLINO-3-HEXANONE
HYDROCHLORIDE

mf: C₂₂H₂₇NO₂•ClH mw: 373.96

TOXICITY DATA with REFERENCE:

orl-mus LD50:208 mg/kg BJCAL 5,125,50
 ipr-mus LD50:114 mg/kg JACSAT 71,57,49
 scu-mus LD50:220 mg/kg JPPMAB 2,418,50
 ivn-mus LD50:43 mg/kg BJCAL 5,125,50

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

DWH875 **HR: 3**
2,3-DIPHENYL-3H-NAPHTHO(1,2-d)TRIAZOLIUM CHLORIDE

mf: C₂₂H₁₆N₃•Cl mw: 357.86

SYN: α-β-NAPHTHO-2,3-DIPHENYL-TRIAZOLIUM CHLORIDE (GERMAN)

TOXICITY DATA with REFERENCE:

scu-mus LDLo:2800 µg/kg SDMU** -,36
 ivn-mus LDLo:2400 µg/kg SDMU** -,36
 ivn-rbt LDLo:40 mg/kg SDMU** -,36
 scu-gpg LDLo:12 mg/kg SDMU** -,36
 scu-frg LDLo:45 mg/kg SDMU** -,36

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

DWH900 **CAS: 111070-57-6** **HR: D**
4,6-DIPHENYL-1-(((5-NITRO-2-FURANYL)METHYLENE)AMINO)-2(1H)-PYRIDINONE

mf: C₂₂H₁₅N₃O₄ mw: 385.40

SYN: 2(1H)-PYRIDINONE, 4,6-DIPHENYL-1-(((5-NITRO-2-FURANYL)METHYLENE)AMINO)-

TOXICITY DATA with REFERENCE:

mic-sat 15 nmol/plate EMMUEG 26,86,1995
 mic-sat 65 nmol/plate MUREAV 206,193,1988

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

DWI000 **CAS: 86-30-6** **HR: 3**
DIPHENYLNITROSAMINE

mf: C₁₂H₁₀N₂O mw: 198.24

PROP: Yellow plates or green crystals. Mp: 66.5°.

SYNS: CURETARD A □ DELAC J □ DIPHENYLNITROSAMINE (GERMAN) □ DIPHENYL N-NITROSOAMINE □ N,N-DIPHENYLNITROSAMINE □ NAUGARD TJB □ NCI-C02880 □ NDPA □ NDPhA □ N-NITROSODIPHENYLAMINE (CZECH) □ NITROSODIPHENYLAMINE □ N-NITROSODIPHENYLAMINE □ N-NITROSO-N-PHENYLANILINE □ NITROUS DIPHENYLAMIDE □ REDAX □ RETARDER J □ TJB □ VULCALENT A □ VULCATARD □ VULKALENT A (CZECH) □ VULTROL

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,134,72
 mma-sat 50 µg/plate CANCAR 49,1970,82
 dnd-hmn:fbr 3 mmol/L ENMUDM 7,267,85
 dns-rat:lvf 500 nmol/L CNREA8 42,3010,82
 otr-ham:emb 6300 µg/L NCIMAV 58,243,81
 orl-rat TDLo:140 g/kg/2Y-C:CAR NCITR* NCI-CG-TR-164,79
 skn-mus TDLo:800 mg/kg/20W-I:ETA EJCAAH 16,695,80
 orl-rat TD:170 g/kg/2Y-C:CAR NCITR* NCI-CG-TR-164,79

orl-rat LD50:1825 mg/kg GISAAA 45(1),18,80
 orl-mus LD50:1860 mg/kg GISAAA 45(1),18,80
 ipr-mus LD50:1000 mg/kg PMRSDJ 1,682,81

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 27,213,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: rat NCITR* NCI-CG-TR-164,79; No Evidence: mouse NCITR* NCI-CG-TR-164,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Human mutation data reported. Dangerous fire hazard when exposed to heat, flame, or oxidizing materials. Can react vigorously with oxidizing materials. When heated to decomposition it emits highly toxic fumes of NO_x. See also NITROSAMINES.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #23.

DWI200 **CAS: 92-71-7** **HR: 2**
2,5-DIPHENYLOXAZOLE

mf: C₁₅H₁₁NO mw: 221.27

PROP: Needles from pet ether. Mp: 74°. Sol in EtOH and Et₂O; prac insol in H₂O.

SYN: USAF EK-6775

TOXICITY DATA with REFERENCE:

ipr-mus LD50:750 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWI300 **CAS: 4171-11-3** **HR: 3**
5,5-DIPHENYL-1-OXAZOLIDIN-2,4-DIONE

mf: C₁₅H₁₁NO₃ mw: 253.27

SYNS: DPO □ EPIDONE □ 2,4-OXAZOLIDINEDIONE, 5,5-DIPHENYL- □ PELIDOL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:373 mg/kg DDREDK 21,19,90
 orl-rbt LD50:2500 mg/kg 27ZQAG -,226,72

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

DWI400 **CAS: 16230-71-0** **HR: 2**
3,3-DIPHENYL-2-OXETANONE

mf: C₁₅H₁₂O₂ mw: 224.27

SYNS: 2,2-DIPHENYL-3-HYDROXYPROPIONIC ACID LACTONE □ α,α-DIPHENYL-β-PROIOLACTONE

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

DWI800 **HR: 3**
1,5-DIPHENYL-1,4-PENTAZDIENE

mf: C₁₂H₁₁N₅ mw: 225.26

SAFETY PROFILE: Explodes violently on warming, impact, or friction. When heated to decomposition it emits toxic fumes of NO_x.

DWJ300 CAS: 21413-28-5 HR: 2
5,5-DIPHENYL-1-PHENYLSULFONYL-HYDANTOIN

mf: C₂₁H₁₆N₂O₄S mw: 392.45

SYN: 5,5-DIPHENYL-1-(PHENYLSULFONYL)-2,4-IMIDAZO-LIDINEDIONE (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1700 mg/kg ARZNAD 20,1579,70

ipr-rat LD50:695 mg/kg ARZNAD 20,1579,70

orl-mus LD50:1700 mg/kg ARZNAD 20,1579,70

ipr-mus LD50:1037 mg/kg ARZNAD 20,1579,70

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

DWJ400 CAS: 3736-92-3 HR: 3
1,2-DIPHENYL-4-PHENYLTHIOETHYL-3,5-PYRAZOLIDINEDIONE

mf: C₂₃H₂₀N₂O₂S mw: 388.51

PROP: Crystals from EtOH. Mp: 110–113°.

SYN: 4-(PHENYLTHIOETHYL)-1,2-DIPHENYL-3,5-PYRAZOLIDINE-DIONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:450 mg/kg ANYAA9 86,263,60

ivn-rat LD50:190 mg/kg ANYAA9 86,263,60

orl-mus LD50:560 mg/kg ANYAA9 86,263,60

ivn-mus LD50:178 mg/kg ANYAA9 86,263,60

ivn-rbt LD50:100 mg/kg MDCHAG 5,391,65

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

DWJ600 CAS: 139598-41-7 HR: D
(T-4)-(DIPHENYLPHOSPHINODITHIOATO-S,S')DIPHENYLANTIMONY

mf: C₂₄H₂₀PS₂Sb mw: 525.28

SYN: ANTIMONY, (DIPHENYLPHOSPHINODITHIOATO-S,S')DIPHENYL-, (T-4)-

TOXICITY DATA with REFERENCE:

mnt-unr-mus 10 mg/kg MBADEI 1,291,1994

cyt-unr-mus 20 mg/kg MBADEI 1,291,1994

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

DWK200 CAS: 972-02-1 HR: 3
α,α-DIPHENYL-1-PIPERIDINEBUTANOL

mf: C₂₁H₂₇NO mw: 309.49

PROP: Needles from pet ether. Mp: 104–105°.

SYNS: DIFENIDOL □ DIPHENIDOL □ NOMETIC □ α-(3-PIPERIDINOPROPYL)BENZHYDROL □ SKF 478 □ SK&F No. 478-A □ VONTROL

TOXICITY DATA with REFERENCE:

orl-rat LD50:815 mg/kg PHMCAA 5,265,63

scu-rat LD50:50 mg/kg TXAPA9 18,185,71

orl-mus LD50:450 mg/kg PHMCAA 5,265,63

ivn-mus LD50:32 mg/kg MPHEAE 13,325,65

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

DWK400 CAS: 467-60-7 HR: 3
α,α-DIPHENYL-2-PIPERIDINEMETHANOL

mf: C₁₈H₂₁NO mw: 267.40

SYNS: DETARIL □ GERODYL □ MERATRAN □ MRD 108 □ α-(2-PIPERIDYL)BENZHYDROL □ PIPRADOL □ α-PIPRADOL □ PIRIDROL □ PYRIDROL □ PYRIDROLE

TOXICITY DATA with REFERENCE:

orl-rat LD50:180 mg/kg 27ZIAQ -, -, 65

orl-mus LD50:74 mg/kg FRPSAX 12,853,57

ipr-mus LD50:74 mg/kg FRPSAX 12,853,57

ivn-cat LD50:15 mg/kg DAZEAE 122,283,82

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

DWK500 CAS: 101564-69-6 HR: 3
5,5-DIPHENYL-3-(3-PIPERIDINOPROPYL)-2-THIOHYDANTOIN HYDROCHLORIDE

mf: C₂₃H₂₇N₃OS•ClH mw: 430.05

SYN: 3-γ-(1-PIPERIDINO)PROPI-5,5-DIFENILTIOIDANTOINA CLORIDATO (ITALIAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:35 mg/kg FRPSAX 15,809,60

scu-mus LD50:30 mg/kg FRPSAX 15,809,60

ivn-rbt LD50:3350 µg/kg FRPSAX 15,809,60

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

DWK700 CAS: 24050-58-6 HR: 3
3-(3,3-DIPHENYLPROPYLAMINO)PROPYL-3',4',5'-TRIMETHOXYBENZOATE HYDROCHLORIDE

mf: C₂₈H₃₃NO₅•ClH mw: 500.08

SYNS: PF-26 □ 3,4,5-TRIMETHOXYBENZOIC ACID 3-((3,3-DIPHENYLPROPYL)AMINO)PROPYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:300 mg/kg (9-14D preg):TER GNRIDX 5,271,71

ipr-rat LD50:138 mg/kg ARZNAD 21,1628,71

ivn-rat LD50:31,500 µg/kg ARZNAD 21,1628,71

ivn-mus LD50:35 mg/kg ARZNAD 21,1628,71

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

DWK900 CAS: 23903-11-9 HR: 3
3-(N-d,d-DIPHENYLPROPYL-N-METHYL)-AMINOPROPAN-1-OL HYDROCHLORIDE

mf: C₁₉H₂₅NO•ClH mw: 319.91

SYN: PF-82

TOXICITY DATA with REFERENCE:

orl-rat LD50:1400 mg/kg ARZNAD 24,166,74

ipr-rat LD50:160 mg/kg ARZNAD 24,166,74

orl-mus LD50:428 mg/kg ARZNAD 24,166,74

ipr-mus LD50:100 mg/kg ARZNAD 24,166,74
 scu-mus LD50:364 mg/kg ARZNAD 24,166,74
 ivn-mus LD50:51 mg/kg ARZNAD 24,166,74

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

DWL200 CAS: 69-43-2 HR: 3
N-(3,3-DIPHENYLPROPYL)- α -METHYL-PHENETHYLAMINE LACTATE

mf: C₂₄H₂₇N•C₃H₆O₃ mw: 419.61

PROP: A solid. Mp: 140–142°.

SYN: PRENYLAMINE LACTATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg ARZNAD 26,212,76

ipr-rat LD50:40 mg/kg ARZNAD 26,212,76

orl-mus LD50:580 mg/kg ARZNAD 26,212,76

ipr-mus LD50:40 mg/kg ARZNAD 26,212,76

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

DWL400 CAS: 10087-89-5 HR: 3
1,1-DIPHENYL-2-PROPYNYL-N-CYCLOHEXYL-CARBAMATE

mf: C₂₂H₂₃NO₂ mw: 333.46

PROP: A solid. Mp: 160–161°.

SYNS: 1,1-DIPHENYL-2-PROPYN-1-OL CYCLOHEXANE-CARBAMATE □ 1,1-DIPHENYL-2-PROPYNYL ESTER CYCLOHEXANECARBAMIC ACID □ ENPROMATE

TOXICITY DATA with REFERENCE:

mma-sat 100 µg/plate PNASA6 72,513,75

dns-rat:lvrl 10 µmol/L ENMUDM 3,11,81

orl-mus LD50:1 g/kg GANMAX 2,261,66

ipr-mus LD50:374 mg/kg JMCMAR 11,115,68

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

DWL500 CAS: 10473-64-0 HR: 2
1,1-DIPHENYL-2-PROPYNYL-N-ETHYL-CARBAMATE

mf: C₁₈H₁₇NO₂ mw: 279.36

SYN: ETHYLCARBAMIC ACID 1,1-DIPHENYL-2-PROPYNYL ESTER

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

DWL525 CAS: 10473-98-0 HR: 2
1,1-DIPHENYL-2-PROPYNYL 1-PYRROLIDINE-CARBOXYLATE

mf: C₂₀H₁₉NO₂ mw: 305.40

SYN: 3,3-DIPHENYL-3-(PYRROLIDINE-CARBONYLOXY)-1-PROPYLENE

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

DWL600 CAS: 3426-01-5 HR: 2
1,4-DIPHENYL-3,5-PYRAZOLIDINEDIONE

mf: C₁₅H₁₁N₂O₂ mw: 251.28

SYN: 1,4-DIPHENYL-3,5-DIOXO-PYRAZOLIDIN (GERMAN)

TOXICITY DATA with REFERENCE:

scu-mus LD50:1003 mg/kg ARZNAD 4,249,54

ivn-mus LD50:740 mg/kg AEPPAE 233,365,58

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

DWL800 CAS: 4845-49-2 HR: 2
1,3-DIPHENYL-5-PYRAZOLONE

mf: C₁₅H₁₂N₂O mw: 236.29

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:512 mg/kg CBCCT* 2,135,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWM000 CAS: 57-96-5 HR: 3
DIPHENYLPYRAZONE

mf: C₂₃H₂₀N₂O₃S mw: 404.51

SYNS: 1,2-DIPHENYL-4-(2-PHENYLSULFINETHYL)-3,5-PYRAZOLIDINEDIONE □ 4-(PHENYLSULFOXYETHYL)-1,2-DIPHENYL-3,5-PYRAZOLIDINEDIONE □ SULFINPYRAZINE □ SULFOXYPHENYLPYRAZOLIDINE □ USAF GE-13

TOXICITY DATA with REFERENCE:

sln-Mold-asn 1 g/L MUREAV 26,159,74

orl-hmn TDLo:29 mg/kg NEJMAG 303,702,80

orl-rat LD50:358 mg/kg DRUGAY 6,393,82

ivn-rat LD50:154 mg/kg ANYAA9 86,263,60

orl-mus LD50:298 mg/kg ANYAA9 86,263,60

ipr-mus LD50:100 mg/kg NTIS** AD414-344

ivn-mus LD50:240 mg/kg ANYAA9 86,263,60

ivn-rbt LD50:195 mg/kg MDCHAG 5,391,65

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

DWM400 CAS: 10447-38-8 HR: 3
 α,α -DIPHENYL-3-QUINUCLIDINEMETHANOL HYDROCHLORIDE

mf: C₂₀H₂₃NO•ClH mw: 329.90

PROP: A solid. Mp: 285–290°.

SYNS: FENCAROL □ FENKAROL □ PHENCAROL □ QUINUCLIDYL-3-DIPHENYLCARBINOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:440 mg/kg RPTOAN 40,42,77

orl-mus LD50:370 mg/kg RPTOAN 40,42,77

ivn-mus LD50:62 mg/kg RPTOAN 40,42,77

orl-gpg LD50:860 mg/kg FATOAO 43,148,80

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

**DWM600 CAS: 10504-99-1 HR: 1
DIPHENYLSELENONE**

mf: $\text{C}_{12}\text{H}_{10}\text{O}_2\text{Se}$ mw: 265.17

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

OSHA PEL: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

ACGIH TLV: TWA 0.2 $\text{mg}(\text{Se})/\text{m}^3$

DFG MAK: 0.1 $\text{mg}(\text{Se})/\text{m}^3$

SAFETY PROFILE: Explodes weakly when heated. When heated to decomposition it emits toxic fumes of Se . See also SELENIUM COMPOUNDS.

**DWM800 CAS: 1011-95-6 HR: 3
DIPHENYLSTANNANE**

mf: $\text{C}_{12}\text{H}_{12}\text{Sn}$ mw: 274.93

PROP: Yellow powder or air and light sensitive crystals from pet ether/ CH_2Cl_2 . Mp: 226° . Insol in water.

SYNS: DIPHENYL TIN □ DIPHENYL TIN DIHYDRIDE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo: 15 mg/kg BJMAG 23,222,66

OSHA PEL: TWA 0.1 $\text{mg}(\text{Sn})/\text{m}^3$ (skin)

ACGIH TLV: TWA 0.1 $\text{mg}(\text{Sn})/\text{m}^3$; STEL 0.2 $\text{mg}(\text{Sn})/\text{m}^3$ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 $\text{mg}(\text{Sn})/\text{m}^3$

SAFETY PROFILE: Poison by intraperitoneal route. Ignites on contact with fuming nitric acid. 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.

**DWN000 CAS: 945-51-7 HR: 2
DIPHENYL SULFOXIDE**

mf: $\text{C}_{12}\text{H}_{10}\text{OS}$ mw: 202.28

PROP: Crystals or prisms. Mp: 70.5° , bp: 210° @ 15 mm, vap d: 7.0.

TOXICITY DATA with REFERENCE:

ipr-mus LD50: 750 mg/kg IJRBA3 3,41,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A fungicide. When heated to decomposition it emits toxic fumes of SO_x .

**DWN100 CAS: 31751-59-4 HR: D
trans-2,4-DIPHENYL-2,4,6,6-TETRAMETHYL-
CYCLOTISILOXANE**

mf: $\text{C}_{16}\text{H}_{22}\text{O}_3\text{Si}_3$ mw: 346.65

SYN: CYCLOTISILOXANE, 2,4-DIPHENYL-2,4,6,6-TETRAMETHYL-, (E)-

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

DWN150 CAS: 56-33-7 HR: D

**1,3-DIPHENYL-1,1,3,3-TETRAMETHYLDI-
SILOXANE**

mf: $\text{C}_{16}\text{H}_{22}\text{OSi}_2$ mw: 286.56

PROP: Bp: $110-111^\circ$ @ 1 mm.

SYN: DISILOXANE, 1,3-DIPHENYL-1,1,3,3-TETRAMETHYL-
CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DWN200 CAS: 60-10-6 HR: 3
DIPHENYLTHIOCARBAZONE**

mf: $\text{C}_{13}\text{H}_{12}\text{N}_4\text{S}$ mw: 256.35

PROP: Bluish-black crystalline powder from alc (aq).

Mp: $165-169^\circ$. Sol in aq alkaline solns; sltly sol in EtOH, CCl_4 , CHCl_3 , and C_6H_6 ; insol in H_2O .

SYNS: CARBAZONE, DIPHENYLTHIO- □ DITHIZON □ DITHIZONE □ 3-FORMAZANTHIOL, 1,5-DIPHENYL- (PHENYLAZO)THIOFORMIC ACID, 2-PHENYLHYDRAZIDE □ SEMICARBAZIDE, 1-PHENYL-4-(PHENYLIMINO)-3-THIO- □ THIOFORMIC ACID, PHENYLAZO-, PHENYLHYDRAZIDE □ USAF EK-3092

TOXICITY DATA with REFERENCE:

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

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

ivn-mus LD50: 56 mg/kg CSLNX* NX#07955

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Can cause eye injury and glycosuria. When heated to decomposition it emits highly toxic fumes of NO_x and SO_x .

**DWN400 CAS: 622-03-7 HR: 3
1,5-DIPHENYL-3-THIOCARBOHYDRAZIDE**

mf: $\text{C}_{13}\text{H}_{14}\text{N}_4\text{S}$ mw: 258.37

PROP: Crystals from EtOH. Mp: $156-158^\circ$ (decomp). Sltly sol in EtOH and C_6H_6 .

SYNS: DIPHENYL THIOCARBAZIDE □ USAF EK-3110

TOXICITY DATA with REFERENCE:

orl-rat LD50: 1500 mg/kg JPETAB 90,260,47

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DWN600 CAS: 21083-47-6 HR: 2
5,5-DIPHENYL-2-THIOHYDANTOIN**

mf: $\text{C}_{15}\text{H}_{12}\text{N}_2\text{OS}$ mw: 268.35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DWN800 CAS: 102-08-9 HR: 2
DIPHENYLTHIOUREA**

mf: $\text{C}_{13}\text{H}_{12}\text{N}_2\text{S}$ mw: 228.33

PROP: White to faint gray powder or leaflets from alc.
Mp: 154°, bp: decomp, d: 1.32 @ 25°.

SYNS: DFT □ N,N'-DIPHENYLTHIOCARBAMIDE □ sym-DIPHENYLTHIOCARBAMIDE □ N,N'-DIPHENYLTHIOUREA □ sym-DIPHENYLTHIOUREA □ 1,3-DIPHENYLTHIOUREA □ 1,3-DIPHENYL-2-THIOUREA □ 2-FENYLOTIOMOCZNIK (POLISH) □ RHENOCURE CA □ STABILISATOR C □ SULFOCARBANILIDE □ THIOCARBANILIDE □ USAF EK-245 □ VALKACIT CA

TOXICITY DATA with REFERENCE:

orl-rat LD50:50 mg/kg ARTODN 54,275,83
ipr-rat LD50:1000 mg/kg MEPAAX 16,35,65
ipr-mus LD50:500 mg/kg NTIS** AD277-689
orl-cat LDLo:720 mg/kg JPETAB 17,349,21
orl-rbt LDLo:1500 mg/kg MEIEDD 10,487,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWO000 CAS: 3898-08-6 HR: 3
1,1-DIPHENYL-2-THIOUREA

mf: C₁₃H₁₂N₂S mw: 228.33

SYN: USAF EK-7087

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 very toxic fumes of NO_x and SO_x.

DWO400 CAS: 1135-99-5 HR: 2
DIPHENYLtin DICHLORIDE

mf: C₁₂H₁₀Cl₂Sn mw: 343.81

PROP: Colorless crystals from pet ether. Decomp by water. Mp: 42°, bp: 333–337° (decomp).

SYN: DICHLORODIPHENYLSTANNANE

TOXICITY DATA with REFERENCE:

sln-hmn:lyms 3 µmol/L MUREAV 246,109,91
orl-rat LDLo:410 mg/kg BJIMAG 23,222,66
orl-mus LDLo:470 mg/kg AECTCV 14,111,85
ipr-mus LD50:17,800 µg/kg JICSAH 67,740,90

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. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also TIN COMPOUNDS and CHLORIDES.

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

DWO600 CAS: 31671-16-6 HR: 3
DIPHENYLtin OXIDE POLYMER

mf: (C₁₂H₁₀OSn)_x

SYNS: DIPHENYLOXOSTANNANE, POLYMER □ OXODIPHENYLSTANNANE, POLYMER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#03497

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

SAFETY PROFILE: Poison by intravenous route.

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

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

DWO800 CAS: 136-35-6 HR: 2
1,3-DIPHENYLTRIAZENE

mf: C₁₂H₁₁N₃ mw: 197.26

PROP: Golden-yellow crystals from pet ether. Mp: 98–99°, bp: explodes, vap d: 6.8.

SYNS: CELLOFOR (CZECH) □ DAAB □ DIAZOAMINO-BENZEN (CZECH) □ DIAZOAMINO BENZENE □ p-DIAZO-AMINO BENZENE □ DIAZOAMINO BENZOL (GERMAN) □ N-(PHENYLAZO)ANILINE

TOXICITY DATA with REFERENCE:

mmo-sat 300 ng/plate ENMUDM 9(Suppl 9),1,87

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

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Strongly explosive when shocked or heated to 98°C. Mixture with acetic anhydride explodes when warmed. When heated to decomposition it emits toxic fumes of NO_x.

DWO875 CAS: 34177-12-3 HR: 3
5,6-DIPHENYL-as-TRIAZIN-3-OL

mf: C₁₅H₁₁N₃O mw: 249.29

TOXICITY DATA with REFERENCE:

ipr-rat LD50:120 mg/kg AIPTAK 95,123,53

ivn-mus LD50:100 mg/kg CSLNX* NX#05146

ivn-rbt LDLo:175 mg/kg AIPTAK 95,123,53

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

DWO950 CAS: 2039-06-7 HR: 3
3,5-DIPHENYL-s-TRIAZOLE

mf: C₁₄H₁₁N₃ mw: 221.28

PROP: Prisms from EtOH (aq); needles from pet ether. Mp: 192°, bp: 280° (decomp). Sol in dil alkalis.

SYNS: 3,5-DIPHENYL-1H-1,2,4-TRIAZOLE □ 3,5-DIPHENYL-1,2,4-TRIAZOLE □ 3,5-DPT □ s-TRIAZOLE, 3,5-DIPHENYL- □ 1H-1,2,4-TRIAZOLE, 3,5-DIPHENYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg JPMSAE 50,597,61

ivn-mus LD50:90 mg/kg JPMSAE 50,597,61

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

DWP000 CAS: 2971-22-4 HR: 2**2,2-DIPHENYL-1,1,1-TRICHLOROETHANE**mf: C₁₄H₁₁Cl₃ mw: 285.60

SYN: DT

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1000 mg/kg JPETAB 88,359,46

orl-mus LD50:2000 mg/kg HCACAV 29,1317,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻.**DWP229 CAS: 13445-50-6 HR: 3
DIPHOSPHANE**mf: H₄P₂ mw: 65.98**PROP:** Liquid which polymerizes when heated. Mp: -99°, bp: 51° @ 66.7 mm. Light sensitive.**SAFETY PROFILE:** Ignites spontaneously in air. A concentration of 0.2% will cause flammable gases to ignite. When heated to decomposition it emits toxic fumes of PO_x and phosphine. See also PHOSPHINE.**DWP250 CAS: 5518-62-7 HR: 3
1,2-DIPHOSPHINOETHANE**mf: C₂H₈P₂ mw: 94.03**PROP:** Foul-smelling liquid. Mp: -62.5°, bp: 114-117° @ 725 mm.**SAFETY PROFILE:** Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHINE.**DWP300 HR: 3
DIPHThERIA TOXIN**

SYN: TOXIN, BACTERIUM CORYNE-BACTERIUM DIPHThERIAE, DIPHThERIA

TOXICITY DATA with REFERENCE:par-cld LDLo:488 ng/kg/1W-I:PUL,KID,SKN
ANYAA9 88,1093,60

ipr-mus LD50:300 ng/kg SCIEAS 144,1100,64

ipr-ham LD50:6500 ng/kg PSEBAA 162,170,79

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by parenteral routes: lungs consolidation, changes in kidney tubules, acute tubular necrosis, corrosive to skin. Experimental reproductive effects. A corrosive.**DWP500 CAS: 63665-41-8 HR: 3
2-β,16-β-DIPIPERIDINO-5-α-ANDROSTAN-3-
α,17-β-DIOL DIPIVALATE HYDROCHLORIDE**mf: C₃₅H₆₂N₂O₄•2ClH mw: 647.91**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:373 mg/kg CALEDQ 2,267,77

ipr-mus LD50:424 mg/kg CALEDQ 2,267,77

ipr-ham LD50:308 mg/kg CALEDQ 2,267,77

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DWP559 CAS: 64019-93-8 HR: 3
DIPIVEFRIN HYDROCHLORIDE**mf: C₁₉H₂₉NO₅•ClH mw: 387.95**PROP:** A solid. Mp: 158-159°.

SYN: (±)-2,2-DIMETHYL-PROPANOIC ACID-4-(1-HYDROXY-2-(METHYLAMINO)ETHYL)-1,2-PHENYLENE ESTER, HYDROCHLORIDE □ DIPIVEFRINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:183 mg/kg KSRNAM 20,25,86

ipr-rat LD50:8500 µg/kg KSRNAM 20,25,86

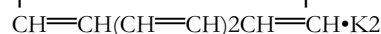
scu-rat LD50:21,200 µg/kg KSRNAM 20,25,86

orl-mus LD50:224 mg/kg KSRNAM 20,25,86

ipr-mus LD50:32,700 µg/kg KSRNAM 20,25,86

scu-mus LD50:35 mg/kg KSRNAM 20,25,86

ivn-mus LD50:4 mg/kg KSRNAM 20,25,86

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous and intraperitoneal routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DWP900 CAS: 78831-88-6 HR: 3
DIPOTASSIUM CYCLOOCTATETRAENE**mf: C₈H₈K₂ mw: 182.35**SAFETY PROFILE:** The dry solid explodes on contact with air or oxygen. Reacts with oxygen in THF solution to form a shock-sensitive explosive product. When heated to decomposition it emits toxic fumes of K₂O.**DWP950 CAS: 76429-97-5 HR: 3
DIPOTASSIUM DIAZIRINE-3,3-
DICARBOXYLATE**mf: C₃K₂N₂O₄ mw: 206.24**PROP:** A solid. Mp: 195°.**SAFETY PROFILE:** Explodes when triturated. Upon decomposition it emits toxic fumes of NO_x and K₂O.**DWQ000 CAS: 7727-21-1 HR: 3
DIPOTASSIUM PERSULFATE**

DOT: UN 1492

mf: H₂O₈S₂•2K mw: 272.34**PROP:** White, odorless, colorless, triclinic crystals. Mp: decomp @ 100°, d: 2.477. Decomp on heating to K₂S₂O₇ with loss of O₂. Mod sol in H₂O.SYN: ANTHION □ PEROXYDISULFURIC ACID
DIPOTASSIUM SALT □ POTASSIUM PEROXYDISULFATE □
POTASSIUM PEROXYDISULPHATE □ POTASSIUM
PERSULFATE (DOT)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:802 mg/kg 85INA8 5,468,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 5.1; Label: Oxidizer**SAFETY PROFILE:** Moderately toxic by ingestion. An irritant and allergen. A powerful oxidizer. Flammable when exposed to heat or by chemical reaction. Can react with reducing materials. It liberates oxygen above 100° when dry or @ about 50° when in solution. When heated to decomposition it emits highly toxic fumes of SO_x, S₂O₈, and K₂O.

DWQ800 CAS: 3248-28-0 HR: 3**DIPROPIONYL PEROXIDE**mf: C₆H₁₀O₄ mw: 146.15**PROP:** Crystals.

SYNS: BIS(1-OXOPROPYL)PEROXIDE □ DIPROPIONYL PEROXIDE, >28% in solution (DOT) □ PEROXIDE, BIS(1-OXOPROPYL) □ PROPIONYL PEROXIDE (DOT)

TOXICITY DATA with REFERENCE:

ihl-rat LCLo: 100 ppm BJMAG 27,1,70

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Moderately toxic by inhalation. The pure material explodes at room temperature. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.

DWQ850 CAS: 90729-15-0 HR: 2**4,5-DIPROPOXY-2-IMIDAZOLIDINONE**mf: C₉H₁₈N₂O₃ mw: 202.29**SYN:** SRC-7**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1430 mg/kg CPBTAL 12,843,64

ipr-mus LD50:890 mg/kg CPBTAL 12,843,64

scu-mus LD50:980 mg/kg CPBTAL 12,843,64

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

DWQ875 CAS: 106-19-4 HR: 2**DIPROPYL ADIPATE**mf: C₁₂H₂₂O₄ mw: 230.34**SYN:** DI-n-PROPYL ADIPATE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:3786 mg/kg JPMSAE 62,1596,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by some routes. Experimental reproductive effects. An experimental teratogen. When heated to decomposition it emits acrid smoke and fumes.

DWR000 CAS: 142-84-7 HR: 3**DIPROPYLAMINE****DOT:** UN 2383mf: C₆H₁₅N mw: 101.22

PROP: Water-white liquid; amine odor. Mp: -63°, bp: 110°, flash p: 63°F (OC), d: 0.741 @ 20°, vap d: 3.5.

SYNS: DI-n-PROPYLAMINE □ n-DIPROPYLAMINE □ N-PROPYL-1-PROPANAMINE □ RCRA WASTE NUMBER U110

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:460 mg/kg 85GMAT -,63,82

ihl-rat LC50:4400 mg/m³/4H 85GMAT -,63,82

ipr-rat LDLo:75 mg/kg FATOAO 31,238,68

ihl-mus LC50:3070 mg/m³/2H 85GMAT -,63,82

skn-rbt LD50:1250 mg/kg AIHAAP 23,95,62

ihl-mam LC50:4400 mg/m³ TPKVAL 14,80,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact and inhalation. A skin irritant. A very dangerous fire hazard, when exposed to heat or flame. Can react with oxidizers. Explosion hazard is unknown. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DWR200 CAS: 64140-51-8 HR: 3**1-DIPROPYLAMINOACETYLINDOLINE**mf: C₁₆H₂₄N₂O mw: 260.42**SYN:** 1-(N,N-DIPROPYLGLYCYL)INDOLINE**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg PCJOAU 11,785,77

ipr-mus LD50:240 mg/kg PCJOAU 11,785,77

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

DWR300 CAS: 3921-99-1 HR: 3**1-(4-(DIPROPYLAMINO)-2-BUTYNYL)-2-PYRROLIDINONE**mf: C₁₄H₂₄N₂O mw: 236.40

SYNS: 1-(4-DIPROPYLAMINO)BUT-2-YNYL)PYRROLID-2-ONE □ 2-PYRROLIDINONE, 1-(4-(DIPROPYLAMINO)-2-BUTYNYL)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:>50 mg/kg BJPCAL 26,56,66

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

DWS200 CAS: 29091-21-2 HR: 1**N³,N³-DIPROPYL-2,4-DINITRO-6-TRIFLUORO-METHYL-m-PHENYLENEDIAMINE**mf: C₁₃H₁₇F₃N₄O₄ mw: 350.34**SYNS:** BLOCKADE □ CN-11-2936 □ ENDURANCE □

MARATHON □ PRODIAMINE □ USB-3153

TOXICITY DATA with REFERENCE:

orl-rat LD50:15,380 mg/kg 85ARAE 2,48,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.

DWR350 CAS: 175442-95-2 HR: 3**2-(R,S)-(DI-N-PROPYLAMINO)-6-(4-METHOXY-PHENYLSULFONYLMETHYL)-1,2,3,4-TETRAHYDRONAPHTHALENE**mf: C₂₄H₃₃NO₃S mw: 415.60

SYNS: GR218,231 □ 2-NAPHTHALENAMINE, 1,2,3,4-TETRAHYDRO-6-((4-METHOXYPHENYL)SULFONYLMETHYL)-N,N-DIPROPYL-

TOXICITY DATA with REFERENCE:

ivn-rat TDLo:0.27 mg/kg JPETAB 293,1048,2000

scu-rat TDLo:2.5 mg/kg JPETAB 293,1048,2000

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

scu-rat TDLo:4.9 mg/kg JPETAB 293,1063,2000

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

DWS400 CAS: 94-91-7 HR: 1
 α,α' -DIPROPYLENEDINITRILODI-o-CRESOLmf: $C_{17}H_{18}N_2O_2$ mw: 282.37**SYNS:** DISALICYLALPROPYLENEDIIMINE \square N,N' -DISALICYLIDENE-1,2-DIAMINOPROPANE \square N,N' -DISALICYLIDENE-1,2-PROPANEDIAMINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4560 mg/kg AEHLAU 6,324,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x .**DWS500 CAS: 25265-71-8 HR: 1**
DIPROPYLENE GLYCOLmf: $C_6H_{14}O_3$ mw: 134.20**SYN:** PROPANOL, OXYBIS-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:14,850 mg/kg 34ZLAG -,731,69

orl-uns LD50:15 g/kg GISAAA 39(4),86,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**DWS600 CAS: 29911-28-2 HR: 2**
DIPROPYLENE GLYCOL BUTYL ETHERmf: $C_{10}H_{22}O_3$ mw: 190.32**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg JACTDZ 1,172,92

orl-rat LDLo:2000 mg/kg 14CYAT 2,1576,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Glycol ethers are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.**DWS650 CAS: 57472-68-1 HR: 2**
DIPROPYLENE GLYCOL DIACRYLATEmf: $C_{12}H_{18}O_5$ mw: 242.30**SYN:** 2-PROPENOIC ACID, OXYBIS(METHYL-2,1-ETHANEDIYL) ESTER**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg SEV EPASR* 8EHQ-0184-0459

eye-rbt 100 mg SEV EPASR* 8EHQ-0184-0459

msc-mus:lym 1300 μ g/L EPASR* 8EHQ-1082-0460

orl-rat LD50:4600 mg/kg EPASR* 8EHQ-0184-0459

SAFETY PROFILE: Mildly toxic by ingestion. A severe skin and eye irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DWS800 CAS: 94-51-9 HR: 1**
DIPROPYLENE GLYCOL DIBENZOATEmf: $C_{20}H_{22}O_5$ mw: 342.42**SYNS:** BENZOFLEX 9-88 \square BENZOFLEX 9-98 \square BENZOFLEX 9-88 SG \square BENZOIC ACID DIESTER with DIPROPYLENE GLYCOL \square BENZOIC ACID-n-DIPROPYLENE GLYCOL DIESTER \square DIBENZOYL DIPROPYLENE GLYCOL ESTER \square DIPROPANEDIOL DIBENZOATE \square K-FLEX DP \square 3,3'-OXYDI-1-PROPANOL DIBENZOATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:9800 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS.**DWS900 CAS: 111109-77-4 HR: D**
DIPROPYLENE GLYCOL DIMETHYL ETHERmf: $C_8H_{18}O_3$ mw: 162.26**SYNS:** PROPANE, OXYBIS(METHOXY- \square PROGLYDE DMM**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.**DWT000 CAS: 63716-17-6 HR: 2**
DIPROPYLENE GLYCOL DIPELARGONATE**SYNS:** EMERY X-88-R \square NONANOIC ACID OXYDI-3,1-PROPANEDIYL ESTER (9CI) \square NONANOIC ACID OXYDIPROPYLENE ESTER**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:1060 mg/kg MRLR** No. 256,54

ivn-rbt LD50:1060 mg/kg MRLR** No. 256,54

SAFETY PROFILE: Moderately toxic by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes.**DWT200 CAS: 34590-94-8 HR: 2**
DIPROPYLENE GLYCOL METHYL ETHERmf: $C_7H_{16}O_3$ mw: 148.23**PROP:** Liquid. Bp: 190°, d: 0.951, vap d: 5.11, flash p: 185°F. IDLH 600 ppm.**SYNS:** ARCOSOLV \square DIPROPYLENE GLYCOL MONO-METHYL ETHER \square DOWANOL DPM \square DOWANOL-50B \square UCAR SOLVENT 2LM**TOXICITY DATA with REFERENCE:**

eye-hmn 8 mg MLD JTOTDO 2,229,83/84

skn-rbt 500 mg open MLD UCDS** 11/15/71

eye-rbt 238 mg MLD AMIHBC 9,509,54

orl-rat LD50:5660 mg/kg AIHAAP 23,95,62

orl-dog LD50:7500 mg/kg JPETAB 102,79,51

skn-rat LD50:9500 mg/kg DTLVS* 4,157,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Glycol ether compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 100 ppm; STEL 150 ppm (skin)**ACGIH TLV:** TWA 100 ppm; STEL 150 ppm (skin)**DFG MAK:** 50 ppm (310 mg/m³)**SAFETY PROFILE:** Mildly toxic by ingestion and skin contact. An experimental skin and human eye irritant. A mild allergen. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use dry chemical, CO_2 , mist, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.**DWT400 CAS: 6976-50-7 HR: 2**
N,N-DI-n-PROPYL ETHYL CARBAMATEmf: $C_9H_{19}NO_2$ mw: 173.29**SYN:** DIPROPYLCARBAMIC ACID ETHYL ESTER

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

DWT430 CAS: 161158-02-7 HR: D
1,1-DIPROPYLHYDRAZINE OXALATE

mf: $\text{C}_6\text{H}_{16}\text{N}_2 \cdot \text{C}_2\text{H}_2\text{O}_4$ mw: 206.28

SYNS: 1,1-DIPROPYLHYDRAZINE ETHANEDIOATE (1:1) □ HYDRAZINE, 1,1-DIPROPYL-, ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 5 $\mu\text{mol}/\text{plate}$ MUREAV 301,213,1993

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

DWT450 CAS: 161158-03-8 HR: D
1,2-DIPROPYLHYDRAZINE OXALATE

mf: $\text{C}_6\text{H}_{16}\text{N}_2 \cdot \text{C}_2\text{H}_2\text{O}_4$ mw: 206.28

SYNS: 1,2-DIPROPYLHYDRAZINE ETHANEDIOATE (1:1) □ HYDRAZINE, 1,2-DIPROPYL-, ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 1 $\mu\text{mol}/\text{plate}$ MUREAV 301,213,1993

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

DWT600 CAS: 123-19-3 HR: 3
DIPROPYL KETONE

DOT: UN 2710

mf: $\text{C}_7\text{H}_{14}\text{O}$ mw: 114.21

PROP: Colorless, refractive liquid. Bp: 144° , mp: -32.6° , vap press: 5.2 mm @ 20° , flash p: 120°F (CC), d: 0.815, vap d: 3.93.

SYNS: BUTYRONE (DOT) □ GBL □ HEPTAN-4-ONE □ 4-HEPTANONE □ PROPYL KETONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,286,86

eye-rbt 500 mg/24H MLD 85JCAE -,286,86

orl-rat LD50:3730 mg/kg TXAPA9 28,313,74

ihl-rat LCLo:4000 ppm/4H TXAPA9 28,313,74

skn-rbt LD50:5660 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 50 ppm

ACGIH TLV: TWA 50 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. A skin and eye irritant. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO_2 , dry chemical, alcohol foam, fog, and mist. When heated to decomposition it emits acrid smoke and fumes. See also KETONES.

DWU000 CAS: 628-85-3 HR: 3
DIPROPYL MERCURY

mf: $\text{C}_6\text{H}_{14}\text{Hg}$ mw: 286.79

PROP: Colorless liquid. Immiscible in water. D: 2.0208, bp: 190° . Sol in Et_2O ; less sol in EtOH. IDLH 10 mg/ m^3 (as Hg).

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:2 mg/kg CBCCT* 4,320,52

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

OSHA PEL: TWA 0.01 mg(Hg)/ m^3 ; STEL 0.03 mg/ m^3 (skin)

ACGIH TLV: TWA 0.01 mg(Hg)/ m^3 ; BEI: 35 $\mu\text{g}/\text{g}$ creatinine total inorganic mercury in urine preshift; 15 $\mu\text{g}/\text{g}$ 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/ m^3 ; STEL 0.03 mg/ m^3 (skin)

SAFETY PROFILE: Poison by intraperitoneal route. Violent reaction with iodine. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS, ORGANIC.

DWU200 CAS: 996-05-4 HR: 3
S,S-DIPROPYL METHYLPHOSPHONO-TRITHIOATE

mf: $\text{C}_7\text{H}_{17}\text{PS}_3$ mw: 228.39

SYNS: ENT 25,979 □ V-C 3-670 □ VIRGINIA-CAROLINA 3-670

TOXICITY DATA with REFERENCE:

orl-rat LD50:18 mg/kg ARSIM* 20,26,66

orl-ckn LD50:12 mg/kg TXAPA9 11,49,67

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of PO_x and SO_x .

DWU400 CAS: 60580-30-5 HR: 3
O,O-DI-n-PROPYL-O-(4-METHYLTHIOPHENYL)PHOSPHATE

mf: $\text{C}_{13}\text{H}_{21}\text{O}_4\text{PS}$ mw: 304.37

SYNS: NK-1158 □ PHOSPHORIC ACID DIPROPYL-4-METHYLTHIOPHENYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:70 mg/kg HDIZAB 26,91,78

ipr-rat LD50:35 mg/kg HDIZAB 26,91,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO_x and SO_x . See also ESTERS.

DWU800 CAS: 53230-00-5 HR: 2
 α -DIPROPYLNITROSAMINE METHYL ETHER

SYNS: 1-METHOXY-N-NITROSO-N-PROPYLPROPYLAMINE □ 1-METHOXYPROPYLPROPYLNITROSAMINE (GERMAN) □ 1-METHOXYPROPYLPROPYLNITROSAMINE □ 1-MPPN

TOXICITY DATA with REFERENCE:

scu-ham TDLo:555 mg/kg/37W-I:NEO ZKKOBW 90,215,77

scu-ham LD50:458 mg/kg ZKKOBW 90,215,77

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

DWV000 CAS: 7664-98-4 HR: 3
DIPROPYLOXOSTANNANE

mf: C₆H₁₄OSn mw: 220.89**PROP:** Polymeric powder.**SYNS:** DIPROPYL TIN OXIDE □ KYSLICNIK DI-N-PROPYLCINICITY (CZECH)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,225,72

eye-rbt 100 mg/24H MOD 28ZPAK -,225,72

orl-rat LD50:36,800 µg/kg 28ZPAK -,225,72

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. An eye and severe skin irritant. 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.**DWV200 CAS: 29914-92-9 HR: 3
DIPROPYL PEROXIDE**mf: C₆H₁₄O₂ mw: 118.18CH₃CH₂CH₂OOCH₂CH₂CH₃**SAFETY PROFILE:** Potentially explosive. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DWV400 CAS: 16066-38-9 HR: 2
DI-n-PROPYL PEROXYDICARBONATE**mf: C₈H₁₄O₆ mw: 206.22**SYNS:** PEROXYDICARBONIC ACID DIPROPYL ESTER □ n-PROPYL PERCARBONATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3400 mg/kg BSPH* 1/75-19B

skn-rbt LD50:3500 mg/kg BSPH* 1/75-19B

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.**DWV500 CAS: 131-16-8 HR: 2
DIPROPYL PHTHALATE**mf: C₁₄H₁₈O₄ mw: 250.32**PROP:** Bp: 317.5°, d: 1.078, flash p: >230°F.**SYNS:** 1,2-BENZENEDICARBOXYLIC ACID, DIPROPYL ESTER □ DI-n-PROPYL PHTHALATE □ PHTHALIC ACID, DIPROPYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:630 g/kg (male 15W pre): REP FAATDF 12,508,89

orl-mus TDLo:1260 g/kg (male 15W pre): REP FAATDF 12,508,89

orl-mus TDLo:1260 g/kg (male 15W pre): REP FAATDF 12,508,89

ipr-mus LDLo:1251 mg/kg JPMSAE 56,1446,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Experimental reproductive effects. An irritant. Combustible when exposed to heat and flame.

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

**DWV600 CAS: 10143-31-4 HR: 3
N,N-DIPROPYL SUCCINAMIC ACID ETHYL
ESTER**mf: C₁₂H₂₃NO₃ mw: 229.36**SYN:** SUCCINAMIC ACID, N,N-DIPROPYL-, ETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:6200 µL/kg JPETAB 93,26,48

orl-mus LD50:3600 µL/kg JPETAB 93,26,48

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

SAFETY PROFILE: A poison by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO_x.**DWV800 CAS: 925-15-5 HR: 3
DIPROPYL SUCCINATE**mf: C₁₀H₁₈O₄ mw: 202.28**SYNS:** BUTANEDIOIC ACID DIPROPYL ESTER □ DI-N-PROPYL SUCCINATE □ SUCCINIC ACID DIPROPYL ESTER**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:6490 mg/kg AMIHBC 10,61,54

ipr-rat LD50:290 mg/kg NEPSBV 1,286,59

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**DWW000 CAS: 57-66-9 HR: 3
p-(DIPROPYLSULFAMOYL)BENZOIC ACID**mf: C₁₃H₁₉NO₄S mw: 285.39**PROP:** Crystals from EtOH (aq). Mp: 184–196°. Sol in CHCl₃.**SYNS:** APURINA □ BENECID □ BENEMID □ BENURYL □ 4-((DIPROPYLAMINO)SULFONYL)BENZOIC ACID □ 4-(DIPROPYLSULFAMOYL)BENZOIC ACID □ p-(DIPROPYLSULFAMYL)BENZOIC ACID □ ETHAMIDE □ NCI-C56097 □ PROBECID □ PROBEN □ PROBENECID ACID □ PRO-BENEMID □ PROLONGINE □ SYNERGID R □ TUBOPHAN □ URICOSID**TOXICITY DATA with REFERENCE:**

hma-rat/smc 60 mg/kg MUREAV 28,57,75

orl-man TDLo:50 mg/kg/1W-I:BLD JRHUA9 13,208,86

orl-rat LD50:1600 mg/kg MEIEDD 10,1116,83

ipr-rat LDLo:394 mg/kg CLDND*

scu-rat LDLo:611 mg/kg CLDND*

orl-mus LDLo:1666 mg/kg NIIRDN 6,735,82

ipr-mus LD50:1000 mg/kg CPBTAL 16,1655,68

scu-mus LDLo:1156 mg/kg CLDND*

ivn-mus LDLo:458 mg/kg CLDND*

ivn-dog LDLo:230 mg/kg CLDND*

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. Human systemic effects: hemolysis with or without anemia. Questionable carcinogen with neoplastigenic date. Mutation data reported. An uricosuric which promotes the secretion of uric acid in the urine.

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

DWW200 CAS: 23795-03-1 HR: 3
p-(DIPROPYLSULFAMOYL)BENZOIC ACID SODIUM SALT

mf: C₁₃H₁₈NO₄S•Na mw: 307.37

SYNS: p-(DI-N-PROPYLSULFAMYL)BENZOIC ACID SODIUM SALT □ PROBENECID SODIUM SALT

TOXICITY DATA with REFERENCE:

orl-man TDLo:630 mg/kg/6W:KID ARPAAQ 94,241,72
 orl-rat LD50:1604 mg/kg JPETAB 102,208,51
 ipr-rat LD50:394 mg/kg JPETAB 102,208,51
 scu-rat LD50:611 mg/kg JPETAB 102,208,51
 orl-mus LD50:1666 mg/kg JPETAB 102,208,51
 ipr-mus LD50:500 mg/kg TXAPA9 24,37,73
 scu-mus LD50:1156 mg/kg JPETAB 102,208,51
 ivn-mus LD50:458 mg/kg JPETAB 102,208,51
 ivn-dog LD50:270 mg/kg JPETAB 102,208,51
 ivn-rbt LD50:304 mg/kg JPETAB 102,208,51

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion and subcutaneous routes. Human systemic effects by ingestion: proteinurea and damage to the kidney (glomeruli), ureter and bladder. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O and SO_x.

DWW400 CAS: 73927-87-4 HR: 3
DI-n-PROPYLTIN BISMETHANESULFONATE

mf: C₈H₂₀O₆S₂Sn mw: 395.09

SYN: BIS((METHYLSULFONYL)OXY)DIPROPYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:17,800 µg/kg CSLNX* NX#02277

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³; STEL 0.2 mg(Sn)/m³ (skin).

NIOSH REL: (Organotin Compounds) TWA 0.1 mg(Sn)/m³

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

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

DWW500 CAS: 628-91-1 HR: 3
DIPROPYL ZINC

mf: C₆H₁₄Zn mw: 151.57

PROP: A liquid. D: 1.080 @ 20°/4°, bp: 157°.

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

SAFETY PROFILE: Ignites in air if a large surface area is exposed. When heated to decomposition it emits toxic fumes of ZnO. See also ZINC COMPOUNDS.

DWW600 HR: 3
DIPYRIDINESODIUM

mf: C₁₀H₁₀N₂Na mw: 181.19

SAFETY PROFILE: Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of Na₂O.

DWW700 CAS: 67730-10-3 HR: 3
DIPYRIDO(1,2-a:3',2'-d)IMIDAZOL-2-AMINE

mf: C₁₀H₈N₄ mw: 184.22

SYNS: 2-AMINODIPYRIDO(1,2-a:3',2'-d)-IMIDAZOLE □ GLU-P-2

TOXICITY DATA with REFERENCE:

mma-sat 100 ng/plate MUREAV 136,23,84
 pic-sat 10 µg/plate MUREAV 110,243,83
 sce-hmn:lym 10 µmol/L MUREAV 116,137,83
 dns-rat:lvrl 1 µmol/L CALEDQ 20,283,83
 dnd-mus:lvrl 200 µmol/L JJCREP 76,835,85
 orl-rat TDLo:12,500 mg/kg/2Y-C:CAR,REP EVHPAZ 67,129,86

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 40,235,86.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DWW730 CAS: 2764-72-9 HR: 3
DIPYRIDO(1,2-A:2',1'-C)PYRAZINEDIIUM, 6,7-DIHYDRO-

mf: C₁₂H₁₂N₂ mw: 184.26

SYNS: DIQUAT (ACGIH) □ 1,1'-ETHYLENE-2,2'-BIPYRIDYLIUM ION

TOXICITY DATA with REFERENCE:

mic-uns 40 mg/L ENVIDV 10,285,84
 orl-rat LD50:231 mg/kg PEMNDP 9,316,91
 orl-mus LD50:125 mg/kg PEMNDP 9,316,91
 orl-dog LD50:100 mg/kg PEMNDP 9,316,91
 orl-rbt LD50:101 mg/kg BJIMAG 27,51,70
 orl-gpg LD50:100 mg/kg BJIMAG 27,51,70

ACGIH TLV: TWA 0.1 mg/m³, respirable dust; TWA 0.5 mg/m³, Inhalable dust (skin); Not Classifiable as a Human Carcinogen.

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

DWX000 CAS: 21000-42-0 HR: 3
DIPYRIDYL HYDROGEN PHOSPHATE

mf: C₁₂H₁₄N₂•2C₂H₆O₄P mw: 436.2

SYN: DIPYRIDYL PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:280 mg/kg GTPZAB 24(9),48,80
 skn-rat LD50:460 mg/kg GTPZAB 24(9),48,80
 orl-mus LD50:240 mg/kg GTPZAB 24(9),48,80
 orl-rbt LD50:295 mg/kg GTPZAB 24(9),48,80
 skn-rbt LD50:404 mg/kg GTPZAB 24(9),48,80

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

DWX100 CAS: 2215-33-0 HR: 2
2,2'-DIPYRIDYL KETONE HYDRAZONE

mf: C₁₁H₁₀N₄ mw: 198.25

SYNS: CP 49527 □ 2-PYRIDINECARBOXALDEHYDE, 2-PYRIDINYLHYDRAZINE □ PICOLINALDEHYDE, 2-PYRIDYLHYDRAZONE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD NTIS** OTS0545889
 orl-rat LDLo:500 mg/kg NTIS** OTS0545889
 skn-rbt LDLo:200 mg/kg NTIS** OTS0545889

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

DWX200 CAS: 20738-78-7 HR: 3
DI-3-PYRIDYLMERCURY

mf: C₁₀H₈HgN₂ mw: 356.79

PROP: IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#05152

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. When heated to decomposition it emits very toxic fumes of NO_x and Hg. See also MERCURY COMPOUNDS, ORGANIC.

DWX600 CAS: 51-73-0 HR: 3
1,4-DIPYRROLIDINYL-2-BUTYNE

mf: C₁₂H₂₀N₂ mw: 192.34

PROP: A liquid. Bp: 116–116.5° @ 2.5 mm.

SYNS: BIOFERMIN □ 1,1'-(2-BUTYNYLENE)DIPYRROLIDINE

□ 1,4-DIPYRROLIDINYL-2-BUTYNE □ TREMORINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:25 mg/kg ARZNAD 21,172,71

ivn-mus LD50:112 mg/kg CSLNX* NX12070

scu-cat LDLo:5 mg/kg APTAK 135,447,62

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

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

DWX800 CAS: 85-00-7 HR: 3
DIQUAT

mf: C₁₂H₁₂N₂•2Br mw: 344.08

PROP: Yellow crystals. Mp: 355°. Sol in water.

SYNS: AQUACIDE □ DEQUAT □ DEXTRONE □ 9,10-DIHYDRO-8a,10a-DIAZONIAPHENANTHRENE DIBROMIDE □ 9,10-DIHYDRO-8a,10a-DIAZONIAPHENANTHRENE(1,1'-ETHYLENE-2,2'-BIPYRIDYLUM)DIBROMIDE □ 5,6-DIHYDRO-DIPYRIDO(1,2a;2,1c)PYRAZINIUM DIBROMIDE □ 6,7-DIHYDRO-PYRIDO(1,2a;2,1'-c)PYRAZINIUM DIBROMIDE □ DIQUAT DIBROMIDE □ 1,1'-ETHYLENE-2,2'-BIPYRIDYLUM DIBROMIDE □ ETHYLENE DIPYRIDYLUM DIBROMIDE □ 1,1'-ETHYLENE 2,2-DIPYRIDYLUM DIBROMIDE □ 1,1'-ETHYLENE-2,2'-DIPYRIDYLUM DIBROMIDE □ FB/2 □ FEGLOX □ PREGLOX □ REGLOX □ REGLOX □ WEEDTRINE-D

TOXICITY DATA with REFERENCE:

skn-rbt 400 mg/kg/20D MLD BJIMAG 27,51,70

eye-rbt 10 mg MLD BJIMAG 27,51,70

mimo-sat 100 nmol/plate TOLED5 3,169,79

dns-hmn:fb 1 µmol/L MUREAV 42,161,77

ipr-rat TDLo:7 mg/kg (7D preg):TER 26UZAB 6,257,68

ivn-rat TDLo:15 mg/kg (female 17D post):REP

TXAPA9 33,450,75

orl-rat LD50:120 mg/kg PRKHDK 1,31,75

skn-rat LD50:433 mg/kg FAATDF 7,299,86

ipr-rat LDLo:500 mg/kg PAREAQ 14,225,62

scu-rat LD50:20 mg/kg PAREAQ 14,225,62

orl-mus LD50:233 mg/kg BJIMAG 27,51,70

orl-dog LDLo:187 mg/kg BJIMAG 27,51,70

orl-rbt LD50:188 mg/kg BJIMAG 27,51,70

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.5 mg/m³

ACGIH TLV: TWA Total Dust 0.5 mg/m³; Respirable Dust: 0.1 mg/m³ (skin); Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Experimental teratogenic and reproductive effects. A skin and eye irritant. Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻. See also PARAQUAT.

DWY000 CAS: 4032-26-2 HR: 3
DIQUAT DICHLORIDE

mf: C₁₂H₁₂N₂•2Cl mw: 255.16

SYN: 1,1'-ETHYLENE-2,2'-DIPYRIDINIUM DICHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LD50:19 mg/kg BJIMAG 27,51,70

ivn-mus LD50:180 mg/kg CSLNX* NX#00223

orl-mky LDLo:100 mg/kg TXAPA9 51,277,79

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

DWY100 CAS: 116897-98-4 HR: D
DIRECT BLACK GB NB

mf: C₃₅H₂₇N₉O₉S₂ mw: 781.83

SYN: 2,7-NAPHTHALENEDISULFONIC ACID, 4-AMINO-3-((4-((4-AMINO-2-HYDROXYPHENYL)AZO)BENZOYL)AMINO)-PHENYL)AZO)-5-HYDROXY-6-(PHENYL)AZO-

TOXICITY DATA with REFERENCE:

mic-sat 1 mg/plate MUTAEX 3,311,1988

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

DWY200 CAS: 94-93-9 HR: 3
N,N'-DISALICYLIDENE ETHYLENEDIAMINE

mf: C₁₆H₁₆N₂O₂ mw: 268.34

PROP: Yellow crystals. Mp: 127–128°. Sol in C₆H₆, CHCl₃, Me₂CO and alkalies; mod sol in EtOH; insol in Et₂O, CCl₄, and NH₃ (aq).

SYNS: N,N'-ETHYLENE DIIMINO DI(o-CRESOL) □ USAF DO-63

TOXICITY DATA with REFERENCE:

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

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DWY400 CAS: 63990-56-7 HR: 3

α,α'-DISELENOBIS-*o*-ACETOTOLUIDIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:25 mg/kg NCNSA6 5,10,53

ipr-rat LDLo:25 mg/kg NCNSA6 5,10,53

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: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Se. See also SELENIUM COMPOUNDS.

DWY600 CAS: 64046-56-6 HR: 3

2,2'-DISELENOBIS(N-PHENYLACETAMIDE)

mf: C₁₆H₁₆N₂O₂Se₂ mw: 426.26

TOXICITY DATA with REFERENCE:

orl-rat LDLo:50 mg/kg NCNSA6 5,10,53

ipr-rat LDLo:25 mg/kg NCNSA6 5,10,53

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: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and Se. See also SELENIUM COMPOUNDS.

DWY800 CAS: 1464-43-3 HR: 3

3,3'-DISELENODIALANINE

mf: C₆H₁₂N₂O₄Se₂ mw: 334.12

SYNS: SELENIUM CYSTINE □ SELENOCYSTINE

TOXICITY DATA with REFERENCE:

slt-dmg-orl 10 μmol/L CNJGA8 17,55,75

sln-dmg-orl 2 μmol/L CNJGA8 11,67,69

ipr-rat LDLo:4 mg/kg CTOXAO 17,171,80

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: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Se. See also SELENIUM COMPOUNDS.

DWY900 CAS: 13900-89-5 HR: 3

meso-3,3'-DISELENODIALANINE

mf: C₆H₁₂N₂O₄Se₂ mw: 334.12

SYN: ALANINE, 3,3'-DISELENODI-, meso-

TOXICITY DATA with REFERENCE:

ipr-rat LD50:8463 μg/kg JPETAB 108,437,1953

ACGIH TLV: TWA 0.2 mg(Se)/m³

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

DWZ000 CAS: 35507-35-8 HR: 3

p,p'-DISELENODIANILINE

mf: C₁₂H₁₂N₂Se₂ mw: 342.18

TOXICITY DATA with REFERENCE:

orl-rat LDLo:100 mg/kg NCNSA6 5,11,53

ipr-rat LDLo:25 mg/kg NCNSA6 5,11,53

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: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and Se. See also SELENIUM COMPOUNDS.

DWZ100 CAS: 70145-55-0 HR: 3

β,β'-DISELENODIPROPIONIC ACID, SODIUM SALT

mf: C₆H₉O₄Se₂•Na mw: 326.06

SYN: PROPIONIC ACID, 3,3'-DISELENODI-, SODIUM SALT

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:25 mg(Se)/kg JPETAB 63,357,38

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

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

DXA000 HR: 3

DISILANE

mf: H₆Si₂ mw: 62.22

PROP: Gas; repulsive odor. Mp: -132.5°, bp: -14.5°, d: 0.686 @ -25°/4°.

SYN: SILICOETHANE

SAFETY PROFILE: Poison by inhalation. Dangerous when exposed to heat or flame or by chemical reaction; can react with oxidizing materials. Ignites spontaneously in air. Reacts violently with CCl₄, CHCl₃, O₂, and SF₆. See also HYDRIDES.

DXA500 HR: 3

DISILVER CYANAMIDE

mf: CAg₂N₂ mw: 255.76

PROP: IDLH 10 mg/m³ (as Ag).

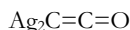
CONSENSUS REPORTS: Silver and its compounds are on the Community Right-To-Know List.

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

DXA600 HR: 3

DISILVER KETENIDE

mf: C₂Ag₂O mw: 255.76



PROP: IDLH 10 mg/m³ (as Ag).

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

SAFETY PROFILE: The ketenide and its pyridine complex are heat- and impact-sensitive explosives. When heated to decomposition it emits acrid smoke and fumes. See also SILVER COMPOUNDS.

DXA800 **CAS: 64267-45-4** **HR: 3**
DISILVER PENTATIN UNDECAOXIDE

mf: Ag₂Sn₅O₁₁ mw: 985.19

PROP: IDLH 10 mg/m³ (as Ag).

SYN: SILVER BETA-STANNATE

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

SAFETY PROFILE: Can explode on heating. See also SILVER COMPOUNDS and TIN COMPOUNDS.

DXA900 **CAS: 64267-45-4** **HR: D**
DISNOGALAMYCINIC ACID

mf: C₂₉H₄₇N₁₀O₁₆ mw: 773.86

TOXICITY DATA with REFERENCE:

dnd-mam:lym 12 µmol/L CBINA8 36,1,81

oms-mam:lym 12 µmol/L CBINA8 36,1,81

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

DXB400 **CAS: 25295-51-6** **HR: 3**
DISODIUM-4,4'-BIS((4-AMINO-6-(2-HYDROXY-ETHYL)AMINO-S-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULFONIC ACID

mf: C₂₄H₂₆N₁₂O₈S₂•2Na mw: 720.72

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1000 mg/kg CTOXAO 13,171,78

scu-mus LD50:500 mg/kg CTOXAO 13,171,78

ivn-mus LD50:100 mg/kg CTOXAO 13,171,78

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of SO_x, Na₂O, and NO_x. See also SULFONATES.

DXB450 **CAS: 133-66-4** **HR: 2**
DISODIUM-4,4'-BIS((4,6-DIANILINO-1,3,5-TRIAZIN-2-YL)AMINO)STILBENE-2,2'-DISULFONATE

mf: C₄₄H₃₆N₁₂O₆S₂•2Na mw: 939.02

SYNS: BELOPHOR OD □ 4,4'-BIS((4,6-DIANILINO-S-TRIAZIN-2-YL)AMINO)-2,2'-STILBENEDISULFONIC ACID DISODIUM SALT □ BLANKOPHOR HZPA □ CALCOFLUOR WHITE MR □ CELLU-BRITE □ C.I. 40621 □ C.I. FLUORESCENT BRIGHTENER 9 □ COMPOUND 19-28 □ OZP 9 □ 2,2'-STILBENEDISULFONIC ACID, 4,4'-BIS((4,6-DIANILINO-S-TRIAZIN-2-YL)AMINO)-, DISODIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:>10 g/kg TXAPA9 5,176,63

ipr-rat LD50:1090 mg/kg GISAAA 49(1),85,84

orl-rbt LD50:>10 g/kg TXAPA9 5,176,63

orl-gpg LD50:>7 g/kg TXAPA9 5,176,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXB500 **CAS: 24565-13-7** **HR: 2**
DISODIUM BISETHYLPHENYLTRIAMINO-TRIAZINE STILBENEDISULFONATE

mf: C₃₆H₃₄N₁₂O₆S₂•2Na mw: 840.92

SYNS: BENZENESULFONIC ACID, 2,2'-(1,2-ETHENEDIYL)BIS(5-((4-(ETHYLAMINO)-6-(PHENYLAMINO)-1,3,5-TRIAZIN-2-YL)AMINO)-, DISODIUM SALT □ C.I. FLUORESCENT BRIGHTENER 208 □ DISODIUM-4,4'-BIS((4-ANILINO-6-ETHYLAMINO-1,3,5-TRIAZIN-2-YL)AMINO)-STILBENE-2,2'-DISULFONATE □ 2,2'-STILBENEDISULFONIC ACID, 4,4'-BIS((4-ANILINO-6-ETHYLAMINO-S-TRIAZIN-2-YL)AMINO)-, 2NA

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg MVCRB3 2,193,1973

skn-rat LD50:>4 g/kg MVCRB3 2,193,1973

skn-rbt LD50:>1100 mg/kg MVCRB3 2,193,1973

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXC200 **CAS: 7775-11-3** **HR: 3**
DISODIUM CHROMATE

mf: CrO₄•2Na mw: 161.98

PROP: Yellow crystals. Mp: 780°. Sol in H₂O; fairly insol in MeOH and EtOH. IDLH Ca [15 mg/m³ {as Cr(VI)}].

SYNS: CHROMATE of SODA □ CHROMIUM DISODIUM OXIDE □ CHROMIUM SODIUM OXIDE □ NEUTRAL SODIUM CHROMATE □ SODIUM CHROMATE (DOT) □ SODIUM CHROMATE (VI)

TOXICITY DATA with REFERENCE:

mno-sat 33 µg/plate ENMUDM 7,185,85

dnr-sat 50 mmol/L TOLED5 7,439,81

sce-ham:lng 32 µg/L CRNGDP 4,605,83

ipr-rat LD50:57 mg/kg AIPTAK 154,243,65

ipr-mus LD50:32 mg/kg COREAF 257,791,63

ivn-dog LDLo:235 mg/kg EQSSDX 1,1,75

ivn-cat LD50:164 mg/kg AGSOA6 8,51,67

scu-rbt LDLo:243 mg/kg EQSFAP 1,1,75

ivn-rbt LDLo:32 mg/kg EQSSDX 1,1,75

idr-rbt LDLo:250 mg/kg JAPHAR 11,285,1877

skn-gpg LDLo:206 mg/kg AEHLAU 11,201,65

ipr-gpg LDLo:206 mg/kg AEHLAU 11,201,65

scu-gpg LDLo:30 mg/kg EQSSDX 1,1,75

idr-gpg LDLo:382 mg/kg JAPHAR 11,285,1877

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 49,49,90; Human Inadequate Evidence IMEMDT 23,205,80; Human Sufficient Evidence IMEMDT 49,49,90; Animal Inadequate Evidence IMEMDT 23,205,80. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Chromium and its compounds are on the Community Right-To-Know List.

OSHA PEL: Cl 0.1 mg/(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg/(CrO₃)/m³

NIOSH REL: (Chromium(VI)) TWA 25 µg/(Cr(VI))/m³; CL 50 µg/m³/15M

SAFETY PROFILE: Poison by skin contact, intraperitoneal, intravenous, subcutaneous, and intradermal routes. Experimental reproductive effects. Mutation data reported. A powerful oxidizer. When heated to decomposition it emits toxic fumes of Na_2O . See also CHROMIUM COMPOUNDS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

DXC400 CAS: 144-33-2 HR: 3
DISODIUM CITRATE

mf: $\text{C}_6\text{H}_6\text{O}_7 \cdot 2\text{Na}$ mw: 236.10

PROP: White crystals or granular powder; odorless. Mp: loses water @ 150° , bp: decomp @ red heat. Sol in water; insol in alc.

SYNS: DISODIUM HYDROGEN CITRATE □ NATRIUM CITRICUM (GERMAN) □ SODIUM CITRATE (FCC)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1724 mg/kg JPETAB 94,65,48

ipr-mus LD50:1771 mg/kg JPETAB 94,65,48

scu-mus LD50:2580 mg/kg ARZNAD 15,852,65

ivn-mus LD50:71 mg/kg JPETAB 94,65,48

ivn-rbt LD50:418 mg/kg JPETAB 94,65,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits toxic fumes of Na_2O .

DXC600 HR: 3
DISODIUM-1,3-DIHYDROXY-1,3-BIS-(acetyl-NITROMETHYL)-2,2,4,4-TETRAMETHYL-CYCLOBUTANE

mf: $\text{C}_{10}\text{H}_{16}\text{N}_2\text{Na}_2\text{O}_6$ mw: 306.23

SAFETY PROFILE: Explodes on contact with water. When heated to decomposition it emits toxic fumes of Na_2O .

DXC800 HR: 3
N,N'-DISODIUM N,N'-DIMETHOXYLSULFONYLDIAMIDE

mf: $\text{C}_2\text{H}_6\text{N}_2\text{Na}_2\text{O}_5\text{S}$ mw: 168.13

SAFETY PROFILE: An unstable explosive. When heated to decomposition it emits toxic fumes of Na_2O .

DXC900 CAS: 52207-48-4 HR: 3
DISODIUM S,S'-(2-DIMETHYLAMINO-1,3-PROPANEDIYL)BIS(THIOSULFATE)

mf: $\text{C}_5\text{H}_{11}\text{NO}_6\text{S}_4 \cdot 2\text{Na}$ mw: 355.39

SYNS: DIMEHYPO □ DIMEHYPO JUMBO □ SHA CHONG DAN □ SHA CHONG SHUANG □ THIOSULFURIC ACID, S,S'-(2-(DIMETHYLAMINO)-1,3-PROPANEDIYL) ESTER, DISODIUM SALT

TOXICITY DATA with REFERENCE:

sce-hmn-lym 10 mg/L MUREAV 241,109,1990

scu-rat LDLo:160 mg/kg WDZAEK 4,166,1990

orl-mus LD50:120 mg/kg WDZAEK 4,166,1990

SAFETY PROFILE: A poison by ingestion and subcutaneous routes. Mutation data reported. When

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

DXD000 CAS: 129-67-9 HR: 3
DISODIUM-3,6-ENDOXOHEXAHYDRO-PHTHALATE

mf: $\text{C}_8\text{H}_8\text{O}_5 \cdot 2\text{Na}$ mw: 230.14

PROP: Water-sol solid. Mp: 144° .

SYNS: ACCELERATE □ AGUATHOL □ DES-I-CATE □ DINATRIUM-(3,6-EPOXY-CYCLOHEXAAN-1,2-DICARBOXYL-AAT) (DUTCH) □ DINATRIUM-(3,6-EPOXY-CYCLOHEXAN-1,2-DICARBOXYLATE) (GERMAN) □ DISODIUM-3,6-EPOXYCYCLOHEXANE-1,2-DICARBOXYLATE □ DISODIUM-7-OXABICYCLO-(2,2,1)HEPTANE-2,3-DICARBOXYLATE □ DISODIUM SALT of ENDOTHALL □ DISODIUM SALT of 7-OXABICYCLO(2,2,1)-HEPTANE-2,3-DICARBOXYLIC ACID □ ENDOTAL □ ENDOTHAL □ ENDOTHAL-NATRIUM (DUTCH) □ ENDOTHAL-SODIUM □ ENDOTHAL WEED KILLER □ 3,6-ENDOXOHEXAHYDRO-PHTHALIC ACID DISODIUM SALT □ (3,6-EPOSSI-CICLOESAN-1,2-DICARBOSSILATO) DISODICO (ITALIAN) □ 3,6-EPOXY-CYCLOHEXANE 1,2-CARBOXYLATE DISODIQUE (FRENCH) □ HERBICIDE 273 □ HYDOUT □ HYDROTHOL □ NIAGARATHAL □ RCRA WASTE NUMBER P088 □ RIPENTHOL □ TRI-ENDOTHAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:51 mg/kg GUCHAZ 6,248,73

skn-rat LD50:750 mg/kg PHJOAV 185,361,60

ivn-dog LDLo:5 mg/kg FEPRA7 11,349,52

skn-rbt LD50:100 mg/kg AFDOAQ 16,3,52

ivn-rbt LDLo:5 mg/kg FEPRA7 11,349,52

orl-gpg LDLo:250 mg/kg HYSAAV 31,225,66

SAFETY PROFILE: Poison by ingestion, skin contact, and intravenous routes. Very irritating to eyes, skin, and mucous membranes. A defoliant and an herbicide. When heated to decomposition it emits toxic fumes of Na_2O .

DXD200 CAS: 142-59-6 HR: 3
DISODIUM ETHYLENE-1,2-BISDITHIO-CARBAMATE

mf: $\text{C}_4\text{H}_6\text{N}_2\text{S}_4 \cdot 2\text{Na}$ mw: 256.34

PROP: Crystals. Sol in water.

SYNS: CARBON D □ CHEM BAM □ DINATRIUM-AETHYLEN-BISDITHIOCARBAMAT (GERMAN) □ DINATRIUM-(N,N'-AETHYLEN-BIS(DITHIOCARBAMAT)) (GERMAN) □ DINATRIUM-(N,N'-ETHYLEN-BIS(DITHIOCARBAMAT)) (DUTCH) □ DISODIUM ETHYLENEBIS(DITHIOCARBAMATE) □ DITHANE A-40 □ DITHANE D-14 □ DSE □ 1,2-ETHANE-DIYLBISCARBAMODITHIOIC ACID DISODIUM SALT □ N,N'-ETHYLENE BIS(DITHIOCARBAMATE de SODIUM) (FRENCH) □ ETHYLENEBIS(DITHIOCARBAMATE) DISODIUM SALT □ ETHYLENEBIS(DITHIOCARBAMIC ACID) DISODIUM SALT □ N,N'-ETILEN-BIS(DITHIOCARBAMATO) di SODIO (ITALIAN) □ NABAM □ NABAME (FRENCH) □ PARZATE □ SPRING-BAK

TOXICITY DATA with REFERENCE:

mno-omi 1000 ppm MMAPAP 50,233,73

orl-rat LD50:395 mg/kg FEPRA7 11,391,52

ipr-rat LD50:500 mg/kg 85DPAN -,71/76

orl-mus LD50:580 mg/kg PCOC** -,777,66

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. Experimental teratogenic

and reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x , Na_2O , and SO_x . See also CARBAMATES.

DDX400 CAS: 7414-83-7 HR: 3
DISODIUM ETIDRONATE

mf: $\text{C}_2\text{H}_6\text{O}_7\text{P}_2\cdot 2\text{Na}$ mw: 249.99

SYNS: DIDRONEL R □ DISODIUM DIHYDROGEN-(1-HYDROXYETHYLIDENE)DIPHOSPHONATE □ DISODIUM ETHANOL-1,1-DIPHOSPHONATE □ DISODIUM ETHYDRONATE □ EITDRONATE DISODIUM □ ETHANE-1-HYDROXY-1,1-DIPHOSPHONIC ACID DISODIUM SALT □ (1-HYDROXY-ETHYLIDENE)DIPHOSPHONIC ACID DISODIUM SALT □ SODIUM ETHIDRONATE □ SODIUM ETHYDRONATE □ SODIUM ETIDRONATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1340 mg/kg TXAPA9 22,661,72
 scu-rat LD50:372 mg/kg KSRNAM 23,1251,89
 ivn-rat LD50:73 mg/kg KSRNAM 23,1251,89
 orl-mus LD50:2050 mg/kg SHPD4 10,447,83
 ivn-mus LD50:49 mg/kg KSRNAM 23,1251,89
 ivn-dog LDLo:32 mg/kg JPMSAE 73,1097,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of PO_x and Na_2O .

DDX600 CAS: 10163-15-2 HR: 3
DISODIUM FLUOROPHOSPHATE

mf: $\text{FO}_3\text{P}\cdot 2\text{Na}$ mw: 143.95

PROP: A solid. Mp: 625°. Sol in H_2O . Insol in EtOH and Et_2O .

SYNS: DISODIUM MONOFLUOROPHOSPHATE □ DISODIUM PHOSPHOROFUORIDATE □ SODIUM FLUOROPHOSPHATE ($\text{Na}_2\text{PO}_3\text{F}$) □ SODIUM PHOSPHOROFUORIDATE □ SODIUM PHOSPHOROFUORIDATE

TOXICITY DATA with REFERENCE:

dlt-dmg-orl 20 $\mu\text{mol/L}$ GENTAE 87,67,77
 orl-rat LD50:570 mg/kg JDREAF 29,529,50
 ipr-rat LD50:220 mg/kg JDREAF 29,529,50
 orl-mus LD50:710 mg/kg CAREBK 12,177,78

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,208,87; Animal Inadequate Evidence IMEMDT 27,237,82; Human Inadequate Evidence IMEMDT 27,237,82.

OSHA PEL: TWA 2.5 mg(F)/ m^3

ACGIH TLV: TWA 2.5 mg(F)/ m^3 ; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

NIOSH REL: (Inorganic Fluorides) TWA 2.5 mg(F)/ m^3

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. Questionable carcinogen. An anticaries ingredient in dentifrices for children's teeth. When heated to decomposition it emits very toxic fumes of F^- , PO_x , and Na_2O .

DDX800 CAS: 17013-01-3 HR: 2

DISODIUM FUMARATE

mf: $\text{C}_4\text{H}_2\text{O}_4\cdot 2\text{Na}$ mw: 160.64

SYN: SODIUM FUMARATE

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:215 mg/kg/GIT JAPMA8 31,1,42
 ipr-rat LDLo:2420 mg/kg JAPMA8 35,298,46
 orl-mus LDLo:3680 mg/kg JAPMA8 31,12,42
 ivn-rbt LDLo:500 mg/kg JAPMA8 31,1,42

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: hypermotility, diarrhea, nausea or vomiting, and other gastrointestinal changes. When heated to decomposition it emits toxic fumes of Na_2O .

DDX875 CAS: 71277-79-7 HR: 3
DISODIUM GLYCYRRHIZIN

mf: $\text{C}_{42}\text{H}_{62}\text{O}_{16}\cdot 2\text{Na}$ mw: 869.02

SYNS: DISODIUM GLYCYRRHIZINATE □ GLYCYRRHIZINIC ACID DISODIUM SALT

TOXICITY DATA with REFERENCE:

cyt-ham: fbr 4 g/L FCTOD7 22,623,84
 cyt-ham: lng 1700 mg/L GMCRCDC 27,95,81
 ipr-mus LD50:144 mg/kg YKYUA6 32,1367,81

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Na_2O .

DXE000 CAS: 16893-85-9 HR: 3
DISODIUM HEXAFLUOROSILICATE

DOT: UN 2674

mf: $\text{F}_6\text{Si}\cdot 2\text{Na}$ mw: 188.07

PROP: Colorless hexagonal crystals. Fluorescent when activated by Ti(IV). Practically insol in H_2O ; insol in EtOH.

SYNS: DESTRUXOL APPLIX □ (2-)-DISODIUM HEXA-FLUOROSILICATE □ DISODIUM SILICOFLUORIDE □ ENSZEM WEEVIL BAIT □ ENT 1,501 □ FLUOSILICATE de SODIUM □ NATRIUMSILICOFLUORID (GERMAN) □ ORTHO EARWIG BAIT □ ORTHO WEEVIL BAIT □ PRODAN □ PSC CO-OP WEEVIL BAIT □ SAFSAN □ SALUFER □ SILICON SODIUM FLUORIDE □ SODIUM FLUOROSILICATE □ SODIUM FLUOSILICATE □ SODIUM HEXAFLUOROSILICATE □ SODIUM HEXAFLUOSILICATE □ SODIUM SILICOFLUORIDE (DOT) □ SUPER PRODAN

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTOD7 20,563,82
 eye-rbt 100 mg SEV FCTOD7 20,573,82
 eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82
 orl-rat LD50:125 mg/kg ARSIM* 20,21,66
 scu-rat LDLo:70 mg/kg JPETAB 39,246,30
 orl-rbt LDLo:125 mg/kg JPETAB 39,246,30
 scu-frg LDLo:448 mg/kg CRSBAW 124,133,37

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2.5 mg(F)/ m^3

ACGIH TLV: TWA 2.5 mg(F)/ m^3 ; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

NIOSH REL: (Inorganic Fluorides) TWA 2.5 mg(F)/ m^3

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. A skin and severe eye irritant. An insecticide. When heated to decomposition it emits very toxic fumes of F^- and Na_2O .

DXE200 CAS: 928-72-3 HR: 1
DISODIUM IMINODIACETATE

mf: $C_4H_5NO_4 \cdot 2Na$ mw: 177.08

SYN: IMINODIOCTAN SODNY (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,128,72

orl-rat LD50:8070 mg/kg 28ZPAK -,128,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x and Na_2O .

DXE500 CAS: 4691-65-0 HR: 2
DISODIUM INOSINATE

mf: $C_{10}H_{11}N_4O_8P \cdot 2Na$ mw: 392.20

PROP: Colorless to white crystals; characteristic taste. Sol in water; sltly sol in alc; insol in ether.

SYNS: DISODIUM IMP □ DISODIUM-5'-INOSINATE □ DISODIUM INOSINE-5'-MONOPHOSPHATE □ DISODIUM INOSINE-5'-PHOSPHATE □ IMP DISODIUM SALT □ 5'-IMP DISODIUM SALT □ IMP SODIUM SALT □ INOSINE-5'-MONOPHOSPHATE DISODIUM □ INOSIN-5'-MONOPHOSPHATE DISODIUM □ SODIUM INOSINATE □ SODIUM-5'-INOSINATE

TOXICITY DATA with REFERENCE:

cyt-ham:fbr 1 g/L FCTOD7 22,623,84

orl-rat LD50:15,900 mg/kg AJINO* -,73

ipr-rat LD50:4850 mg/kg AJINO* -,73

scu-rat LD50:3900 mg/kg AJINO* -,73

ivn-rat LD50:2730 mg/kg AJINO* -,73

orl-mus LD50:12 g/kg TIDZAH 24,553,66

ipr-mus LD50:5400 mg/kg TIDZAH 24,553,66

scu-mus LD50:5480 mg/kg AJINO* -,73

ivn-mus LD50:3300 mg/kg TIDZAH 24,553,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by several routes. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of PO_x , NO_x , and Na_2O .

DXE600 CAS: 144-21-8 HR: 3
DISODIUM METHANEARSENATE

mf: $CH_3AsO_3 \cdot 2Na$ mw: 183.94

PROP: Crystals or solid; water-sol hydrate. Mp: 132–139°, bp: 165°, fp: –6°, d: 1.15. Sol in H_2O and MeOH; practically insol in most org solvs.

SYNS: ANSAR 184 □ ANSAR DSMA LIQUID □ ARRHENAL □ ARSINYL □ ARSYNAL □ CACODYL NEW □ CHIPCO CRAB KLEEN □ CLOUT □ CRAB-E-RAD □ CRALO-E-RAD □ DAL-E-RAD 100 □ DIARSEN □ DIMET □ DINATE □ DISODIUM METHANEARSENATE □ DISODIUM METHYLARSENATE □ DISODIUM METHYLARSONATE □ DISODIUM MONO-METHYLARSONATE □ DISOMAR □ DI-TAC □ DMA □ DREXEL DSMA LIQUID □ DSMA LIQUID □ JON-TROL □ MAA

SODIUM SALT □ METHAR □ METHARSINAT □ NAMATE □ NEOASYCODILE □ SODAR □ SODIUM METHANEARSONATE □ SODIUM METHARSONATE □ SODIUM METHYLARSONATE □ SOMAR □ STENOSINE □ TONARSEN □ VERSAR DSMA LQ □ WEED BROOM □ WEED-E-RAD □ WEED-HOE

TOXICITY DATA with REFERENCE:

orl-rat LD50:821 mg/kg FAATDF 7,299,86

orl-mus LD50:1150 mg/kg JPIFAN (3),5,70

skn-rbt LD50:10 g/kg FMCHA2 -,C114,89

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Arsenic and its 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: Moderately toxic by ingestion. Experimental teratogen. Dangerous fire hazard by spontaneous chemical reaction. Ignites spontaneously in dry air. Can react vigorously with oxidizing materials, e.g., air, Cl_2 . An herbicide. When heated to decomposition it emits toxic fumes of As and Na_2O . See also ARSENIC COMPOUNDS.

DXE800 CAS: 7631-95-0 HR: 3
DISODIUM MOLYBDATE

mf: $MoO_4 \cdot 2Na$ mw: 205.92

PROP: White solid. Mp: 686°. Sol in H_2O . IDLH 1000 mg/ m^3 (as Mo).

SYNS: MOLYBDIC ACID, DISODIUM SALT □ NATRIUM-MOLYBDAT (GERMAN) □ SODIUM MOLYBDATE □ SODIUM MOLYBDATE(VI)

TOXICITY DATA with REFERENCE:

pic-esc 16 mmol/L ENMUDM 6,59,84

sln-smc 80 mmol/L MUTAEX 1,21,86

ipr-rat LD50:576 mg/kg EQSSDX 1,1,75

ipr-mus LD50:303 mg/kg EQSSDX 1,1,75

scu-mus LD50:570 mg/kg AEPPAE 244,17,62

ivn-cat LD50:917 mg/kg AGSOA6 8,51,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg(Mo)/ m^3

ACGIH TLV: TWA Soluble Compounds: TWA 0.5 mg(Mo)/ m^3 Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous and intravenous routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Na_2O . See also MOLYBDENUM COMPOUNDS.

DXE875 CAS: 10102-40-6 HR: 3
DISODIUM MOLYBDATE DIHYDRATE

mf: $MoO_4 \cdot 2Na \cdot 2H_2O$ mw: 241.96

PROP: Orthorhombic crystals. Sol in H_2O . IDLH 1000 mg/ m^3 (as Mo).

SYN: SODIUM MOLYBDATE DIHYDRATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:520 mg/kg AIPTAK 154,243,65

ipr-mus LD50:257 mg/kg AIPTAK 154,243,65

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

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

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits toxic fumes of Na₂O. See also MOLYBDENUM COMPOUNDS.

DXF000 CAS: 15467-20-6 HR: 3
DISODIUM NITRILOTRIACETATE

mf: C₆H₇NO₆•2Na mw: 235.12

SYNS: N,N-BIS(CARBOXYMETHYL)GLYCINE DISODIUM SALT □ DISODIUM HYDROGEN NITRILOTRIACETATE □ GLYCINE, N,N-BIS(CARBOXYMETHYL)-, DISODIUM SALT (9CI) □ KIREUTO NTB □ NITRILOTRIACETIC ACID, DISODIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:1460 mg/kg TXAPA9 18,398,71

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 48,181,90; Animal Sufficient Evidence IMEMDT 48,181,90. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

DXF100 CAS: 102744-98-9 HR: D
DISODIUM NITRILOTRIACETATE IRON(II) CHELATE

mf: C₁₂H₁₂N₂O₁₂•2Na•Fe mw: 533.94

SYN: ACETIC ACID, NITRILOTRI-, DISODIUM SALT, IRON(II) CHELATE

TOXICITY DATA with REFERENCE:

cyt-ham-ovr 2 mmol/L CNREA8 41,1628,1981

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

DXF200 CAS: 12008-41-2 HR: 2
DISODIUM OCTABORATE, TETRAHYDRATE

mf: B₈Na₂O₁₃•4H₂O mw: 412.54

SYNS: POLYBOR □ POLYBOR 3

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg FMCHA2 -,C191,83

orl-gpg LD50:5300 mg/kg 28ZEAL 5,85,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An insecticide. When heated to decomposition it emits toxic fumes of Na₂O. See also BORON COMPOUNDS.

DXF400 CAS: 53778-51-1 HR: 2
DISODIUM-2-(p-(γ-PHENYLPROPYLAMINO)-BENZENESULFONAMIDO) PYRIDINE

mf: C₂₀H₁₉N₃O₈S₃•2Na mw: 571.58

SYNS: DISODIUM CINNAMYLIDENE BISULFITE derivative of SULFAPYRIDINE □ 1-PHENYL-3-(p-2-PYRIDYLSULFAMOYL-ANILINO)-1,3-PROPANEDISULFONIC ACID DISODIUM SALT □ SOLUPYRIDINE □ SULFAPYRIDINE NEUTRAL SOLUBLE

TOXICITY DATA with REFERENCE:

orl-mus LD50:7500 mg/kg JPETAB 84,203,45

scu-mus LD50:2680 mg/kg JPETAB 84,203,45

ivn-mus LD50:1280 mg/kg JPETAB 84,203,45

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

DXF600 CAS: 26016-99-9 HR: 3
DISODIUM PHOSPHONOMYCIN

mf: C₃H₇O₄P•2Na mw: 184.05

PROP: A solid.

SYNS: DISODIUM FOSFOMYCIN □ (1R,2S)(-)-(1,2-EPOXYPROPYL)PHOSPHONIC ACID DISODIUM SALT □ FOM-Na □ FOSFOMYCIN DISODIUM □ FOSFOMYCIN DISODIUM SALT □ FOSFOMYCIN SODIUM SALT □ (2R-cis)-(3-METHYLOXIRANYL)PHOSPHONIC ACID DISODIUM SALT □ PHOSPHONOMYCIN DISODIUM SALT □ PHOSPHONOMYCIN SODIUM □ SODIUM FOSFOMYCIN

TOXICITY DATA with REFERENCE:

mmo-klp 20 μmol/L MUREAV 89,269,81

orl-rat TD50:4550 mg/kg JJANAX 32,61,79

ipr-rat LD50:2000 mg/kg JJANAX 32,61,79

scu-rat LD50:4320 mg/kg JJANAX 32,61,79

ivn-rat LD50:1560 mg/kg JJANAX 32,61,79

ims-rat LD50:2460 mg/kg JJANAX 32,61,79

orl-mus LD50:7300 mg/kg JJANAX 32,61,79

ipr-mus LD50:2175 mg/kg IYKEDH 12,668,81

scu-mus LD50:5100 mg/kg IYKEDH 12,668,81

ivn-mus LD50:1225 mg/kg JJANAX 32,61,79

ims-mus LD50:2625 mg/kg JJANAX 32,61,79

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by intravenous and intramuscular routes. Mildly toxic by ingestion. Experimental teratogenic and reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of PO_x and Na₂O.

DXF700 CAS: 50865-01-5 HR: 3
DISODIUM PROTOPORPHYRIN

mf: C₃₄H₃₂H₄O₄•2Na mw: 606.68

SYNS: 7,12-DIETHYNYL-3,8,13,17-TETRAMETHYL-21H,23H-PORPHINE-2,18-DIPROPANOIC ACID DISODIUM SALT □ PROTOPORPHYRIN DISODIUM □ PROTOPORPHYRIN SODIUM □ PROTOPORPHYRIN SODIUM SALT

TOXICITY DATA with REFERENCE:

ivn-rat LD50:240 mg/kg NIIRDN 6,729,82

ipr-mus LD50:1029 mg/kg NIIRDN 6,729,82

scu-mus LD50:1147 mg/kg NIIRDN 6,729,82

ivn-mus LD50:484 mg/kg NIIRDN 6,729,82

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

DXF800 CAS: 7758-16-9 HR: 3
DISODIUM PYROPHOSPHATE

mf: H₂O₇P₂•Na₂ mw: 221.94

PROP: White, crystalline powder or monoclinic lattice. D: 1.862, mp: 220° (decomp). Sol in water.

SYNS: DINATRIUMPYROPHOSPHAT (GERMAN) □ DIPHOSPHORIC ACID, DISODIUM SALT □ DISODIUM

DIHYDROGEN PYROPHOSPHATE □ DISODIUM
DIPHOSPHATE □ SODIUM ACID PYROPHOSPHATE (FCC) □
SODIUM PYROPHOSPHATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2650 mg/kg ARZNAD 7,445,57
scu-mus LD50:480 mg/kg ARZNAD 7,445,57
ivn-mus LD50:59 mg/kg ARZNAD 7,445,57
ivn-rbt LDLo:50 mg/kg AEPPAE 169,238,33

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. An irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of PO_x and Na_2O .

DXG000 CAS: 13410-01-0 HR: 3 DISODIUM SELENATE

mf: $\text{O}_4\text{Se}\cdot 2\text{Na}$ mw: 188.94

PROP: Colorless, rhombic crystals. D: 3.098. Very sol in H_2O .

SYNS: NATRIUMSELENIAT (GERMAN) □ P-40 □ SEL-TOX
SSO2 and SS-20 □ SODIUM SELENATE

TOXICITY DATA with REFERENCE:

mno-sat 40 $\mu\text{mol/L}$ ENVRAL 36,379,85
mma-sat 2 $\mu\text{mol/plate}$ MUREAV 66,175,79
dnr-sat 10 $\mu\text{g/plate}$ CALEDQ 10,75,80
mrc-bcs 50 $\mu\text{mol/plate}$ MUREAV 66,175,79
dns-rat:lv 100 $\mu\text{mol/L}$ CALEDQ 10,75,80
orl-rat TDLo:128 mg/kg/2Y-C:CAR JONUAI
101,1531,71
orl-wmn TDLo:53 mg/kg:CVS,GIT,LIV NZMJAX
87,354,78

orl-rat LD50:1600 $\mu\text{g/kg}$ GISAAA 49(9),66,84
ipr-rat LDLo:8973 $\mu\text{g/kg}$ JPETAB 58,454,36
scu-rat LDLo:11,336 $\mu\text{g/kg}$ ARTODN 45,207,80
ivn-rat LDLo:4786 $\mu\text{g/kg}$ JPETAB 60,449,37
scu-cat LDLo:20 mg/kg HBAMAK 4,1289,35
orl-rbt LD50:2250 $\mu\text{g/kg}$ GISAAA 49(9),66,84
ivn-rbt LDLo:3600 $\mu\text{g/kg}$ JPETAB 60,449,37

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87. Selenium and its compounds are on the Community Right-To-Know List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.2 mg(Se)/ m^3

ACGIH TLV: TWA 0.2 mg(Se)/ m^3

DFG MAK: 0.1 mg(Se)/ m^3

DOT CLASSIFICATION: 6.1; Label: Poison, Corrosive

SAFETY PROFILE: Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic and teratogenic data. Human systemic effects by ingestion: EKG changes, hypermotility, diarrhea, and liver impairment. Experimental reproductive effects. Effects similar to those of arsenic. Mutation data reported. A pesticide. When heated to decomposition it emits toxic fumes of Se and Na_2O . See also SELENIUM COMPOUNDS and ARSENIC COMPOUNDS.

DXG025 CAS: 2583-80-4 HR: 1 DISODIUM 2-(4-STYRYL-3-SULFOPHENYL)-7-

SULFO-2H-NAPHTHO(1,2-d)TRIAZOLE

mf: $\text{C}_{24}\text{H}_{15}\text{N}_3\text{O}_6\text{S}_2\cdot 2\text{Na}$ mw: 551.52

SYNS: 2H-NAPHTHO(1,2-d)TRIAZOLE, 2-(4-STYRYL-3-SULFOPHENYL)-7-SULFO-, DISODIUM SALT □ NAPHTHO(1,2-d)TRIAZOLE-7-SULFONIC ACID, 2-(4-(2-PHENYLETHENYL)-3-SULFOPHENYL)-, DISODIUM □ 2-STILBENESULFONIC ACID, 4-(7-SULFO-2H-NAPHTHO(1,2-d)TRIAZOL-2-YL)-, DISODIUM SALT

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD MVCRB3 2,193,73
eye-rbt 100 mg MLD MVCRB3 2,193,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXG035 CAS: 1330-43-4 HR: 1 DISODIUM TETRABORATE

mf: $\text{B}_4\text{Na}_2\text{O}_7$ mw: 201.22

SYNS: ANHYDROUS BORAX □ BORATES, TETRA, SODIUM SALT, anhydrous (OSHA) □ BORAX GLASS □ BORIC ACID, DISODIUM SALT □ FR 28 □ FUSED BORAX □ RASORITE 65 □ SODIUM BIBORATE □ SODIUM TETRABORATE □ SODIUM TETRABORATE ($\text{Na}_2\text{B}_4\text{O}_7$)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 mg/ m^3

ACGIH TLV: TWA 1 mg/ m^3

SAFETY PROFILE: A nuisance dust. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of B.

DXG050 CAS: 68594-24-1 HR: 3 DISODIUM-5-TETRAZOLAZOCARBOXYLATE

mf: $\text{C}_2\text{N}_6\text{Na}_2\text{O}_2$ mw: 186.04

SAFETY PROFILE: An explosive. When heated to decomposition it emits toxic fumes of NO_x and Na_2O . See also EXPLOSIVES, HIGH.

DXG100 CAS: 2391-03-9 HR: 3 DISOMER MALEATE

mf: $\text{C}_{16}\text{H}_{19}\text{BrN}_2\cdot \text{C}_4\text{H}_4\text{O}_4$ mw: 435.36

PROP: Crystals. Mp: 103–113°.

SYNS: (+)-2-(p-BROMO- α -(2-(DIMETHYLAMINO)ETHYL)BENZYL)PYRIDINE MALEATE □ (S)- γ -(4-BROMOPHENYL)-N,N-DIMETHYL-2-PYRIDINE-PROPANAMINE (Z)-2-BUTENEDIOATE (1:1) □ d-BROM-PHENIRAMINE MALEATE □ DEXBROMPHENIRAMINE MALEATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:191 mg/kg CMTRAG 3,120,61
ipr-rat LD50:104 mg/kg CMTRAG 3,120,61
orl-mus LD50:176 mg/kg CMTRAG 3,120,61
ipr-mus LD50:106 mg/kg CMTRAG 3,120,61
ivn-mus LD50:25 mg/kg CMTRAG 3,120,61
orl-gpg LD50:259 mg/kg CMTRAG 3,120,61

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

DXG150 HR: 3

DISPHOLIDUS TYPHUS VENOM**SYN:** VENOM, SNAKE, DISPHOLIDUS TYPHUS**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:10 mg/kg SAMJAF 14,236,40
 ivn-mus LD50:67 µg/kg 23E1AT 1,437,68
 ims-mus LDLo:15 mg/kg SAMJAF 14,236,40
 ivn-rbt LDLo:5 µg/kg SAMJAF 14,236,40
 ims-rbt LDLo:500 µg/kg SAMJAF 14,236,40
 ipr-pgn LDLo:667 ng/kg SAMJAF 14,236,40
 scu-pgn LDLo:33 µg/kg SAMJAF 14,236,40
 ivn-pgn LDLo:667 ng/kg SAMJAF 14,236,40
 ims-pgn LDLo:33 µg/kg SAMJAF 14,236,40

SAFETY PROFILE: Poison by subcutaneous, intramuscular, intravenous, and intraperitoneal routes.**DXG200****HR: 3****3,6-DI(SPIROCYCLOHEXANE)TETRAOXANE**mf: C₁₂H₂₀O₄ mw: 228.29**SAFETY PROFILE:** Explodes on impact. When heated to decomposition it emits acrid smoke and irritating fumes.**DXG400****CAS: 39389-47-4****HR: D****DISTAMYCIN****TOXICITY DATA with REFERENCE:**

mno-bcs 90 mg/L CMMUO 9,165,84
 dnd-mam:lym 680 nmol/L JMCMA 22,134,79

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DXG450****CAS: 13696-04-3****HR: D****DISTAMYCIN A/4**mf: C₂₈H₃₃N₁₁O₅•ClH mw: 640.18**SYN:** N₄:N',4':N'',4''-TETRA(PYRROLE-2-CARBOXAMIDE), N''-(2-AMIDINOETHYL)-4-FORMAMIDO-1,1',1'',1'''-TETRAMETHYL-, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

add-esc 200 µmol EJBCAI 26,81,1972
 add-uns 200 µmol EJBCAI 26,81,1972
 dni-mus-lym 1900 nmol/L CBINA8 8,183,1974
 add-unr-lym 200 µmol EJBCAI 26,81,1972

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl⁻.**DXG500****CAS: 35967-49-8****HR: D****DISTAMYCIN A/5**mf: C₃₄H₃₉N₁₃O₆•ClH mw: 762.32**TOXICITY DATA with REFERENCE:**

dnd-esc 200 µmol EJBCAI 26,81,72
 dnd-omi 200 µmol EJBCAI 26,81,72
 dni-mus:lym 600 nmol/L CBINA8 8,183,74

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DXG600****CAS: 6576-51-8****HR: 3****DISTAMYCIN A HYDROCHLORIDE**mf: C₂₂H₂₇N₉O₄•ClH mw: 518.04**PROP:** Crystals from dil HCl. Mp: 186–189°.**SYNS:** N''-(2-AMIDINOETHYL)-4-FORMAMIDO-1,1',1'''-TRIMETHYL-(N,4':N'',4''-TERPYRROLE)-2-CARBOXAMIDE HYDROCHLORIDE □ HEPERAL □ STALLIMYCIN HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

dni-mus:lym 1900 nmol/L CBINA8 8,183,74
 oms-mus:lym 3200 nmol/L CBINA8 8,183,74
 dnd-mam:lym 200 µmol/ EJBCAI 26,81,72L
 ipr-rat LD50:169 mg/kg MDACAP 13,319,77
 ipr-mus LD50:160 mg/kg MDACAP 13,319,77
 ivn-mus LD50:75 mg/kg MEIEDD 11,1383,89

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DXG625****CAS: 107-64-2****HR: 1****DISTEARYL DIMETHYLAMMONIUM CHLORIDE**mf: C₃₈H₈₀N•Cl mw: 586.64

SYNS: ALIQUAT 207 □ AMMONIUM, DIMETHYLDIOCTADECYL-, CHLORIDE □ AROSURF TA 100 □ ARQUAD R 40 □ DIMETHYLDIOCTADECYLAMMONIUM CHLORIDE □ N,N-DIMETHYL-N-OCTADECYL-1-OCTADECANAMINIUM CHLORIDE □ GENAMIN DSAC □ KD 83 □ 1-OCTADECANAMINIUM, N,N-DIMETHYL-N-OCTADECYL-, CHLORIDE (9CI) □ Q-D 86P □ QUATERNIUM 5 □ TALOFLOC □ VARISOFT 100

TOXICITY DATA with REFERENCE:

orl-rat LD50:11,300 mg/kg ESKHA5 (101),152,83

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⁻.**DXG650****HR: D****DISTEARYL THIODIPROPIONATE****SAFETY PROFILE:** When heated to decomposition emits toxic fumes of SO_x.**DXG700****CAS: 693-36-7****HR: 2****DISTEARYL 3,3'-THIODIPROPIONATE**mf: C₄₂H₈₂O₄S mw: 683.30

SYNS: ADVASTAB 802 □ ADVASTAB PS 802 □ ANTIOK S □ ARBESTAB DSTDP □ CYANOX-STDP □ DIOCTADECYL THIODIPROPIONATE □ DIOCTADECYL 3,3'-THIODIPROPIONATE □ DISTEARYL THIOPROPIONATE □ DISTEARYL β-THIODIPROPIONATE □ DISTEARYL β,β'-THIODIPROPIONATE □ DSTDP □ DSTP □ HOSTANOX SE 2 □ HOSTANOX VP-SE 2 □ IRGANOX PS 802 □ LUSMIT SS □ NAUGARD DSTDP □ PLASTANOX STDP □ PLASTANOX STDP ANTIOXIDANT □ PROPANOIC ACID, 3,3'-THIOBIS-, DIOCTADECYL ESTER (9CI) □ PROPIONIC ACID, 3,3'-THIODI-, DIOCTADECYL ESTER □ PS 802 □ SEENOX DS □ SUMILIZER TPS □ YOSHINOX DSTDP

TOXICITY DATA with REFERENCE:

orl-rat LD50:>2500 mg/kg AFREAW 3,197,51
 orl-mus LD50:>2 g/kg AFREAW 3,197,51
 ipr-mus LD50:>2 g/kg AFREAW 3,197,51

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 SO_x.

**DXG800 CAS: 15876-67-2 HR: 3
DISTIGMINE BROMIDE**

mf: C₂₂H₃₂N₄O₄•2Br mw: 576.40

PROP: A solid. Mp: 149° (decomp).

SYNS: HEXAMARIUM □ 3,3'-(1,6-HEXANEDIYLBIS-((METHYLIMINO)CARBONYLOXY)BIS(1-METHYL-PYRIDINIUMDIBROMIDE) □ 3-HYDROXY-1-METHYL-PYRIDINIUM BROMIDE HEXAMETHYLENEBIS(METHYL-CARBAMATE) □ UBRETID □ UBRITIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 mg/kg OYYAA2 3,68,69
ipr-rat LD50:740 µg/kg DRUGAY 6,349,82
scu-rat LD50:1080 µg/kg DRUGAY 6,349,82
ivn-rat LD50:740 µg/kg OYYAA2 3,68,69
orl-mus LD50:10,500 µg/kg OYYAA2 3,68,69
ipr-mus LD50:310 µg/kg DRUGAY 6,349,82
ivn-mus LD50:300 µg/kg OYYAA2 3,68,69

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

**DXG810 CAS: 64741-61-3 HR: 3
DISTILLATES (PETROLEUM), HEAVY
CATALYTIC CRACKED**

SYN: HEAVY CATALYTICALLY CRACKED DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Animal Sufficient Evidence IMEMDT 45,39,89. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen. When heated to decomposition it emits acrid smoke and irritating vapors.

**DXG820 CAS: 64742-80-9 HR: 1
DISTILLATES (PETROLEUM), HYDRO-
DESULFURIZED MIDDLE**

SYN: HYDRODESUFURIZED MIDDLE DISTILLATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,128,90
orl-rat LD:>5 g/kg JACTDZ 1,127,90
ihl-rat LC50:4600 mg/m³/4H JACTDZ 1,127,90
skn-rbt LD:>2 g/kg JACTDZ 1,127,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DXG830 CAS: 64742-46-7 HR: 2
DISTILLATES (PETROLEUM), HYDROTREATED
MIDDLE**

SYNS: AMOCO NT-45 PROCESS OIL □ KERMAC 600W (MINERAL SEAL OIL)

TOXICITY DATA with REFERENCE:

mno-sat 10 µL/plate EPASR* 8EHQ-0280-0333
skn-mus TDLo:416 g/kg/2Y-I:ETA EPASR* 8EHQ-1288-0775

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DXG840 CAS: 64741-59-9 HR: 3
DISTILLATES (PETROLEUM), LIGHT
CATALYTIC CRACKED**

SYN: LIGHT CATALYTICALLY CRACKED DISTILLATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,129,90
orl-rat LD50:3200 mg/kg JACTDZ 1,130,90
ihl-rat LC50:3400 mg/m³/4H JACTDZ 1,130,90
skn-rbt LD:>2 g/kg JACTDZ 1,130,90

CONSENSUS REPORTS: IARC Cancer Review: Animal Sufficient Evidence IMEMDT 45,39,89. Reported in EPA TSCA Inventory.

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

**DXG850 CAS: 68477-31-6 HR: 2
DISTILLATES RESIDUE, LOW-BOILING**

SYNS: AROMATIC PETROLEUM DERIVATIVE SOLVENT □ AROMATIC SOLVENT (PETROLEUM) □ DISTILLATE PETROLEUM, CATALYTIC REFORMER FRACTIONATOR RESIDUE, LOW-BOILING

TOXICITY DATA with REFERENCE:

orl-rat LD50:2551 mg/kg NTIS** OTS0533986

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA FIFRA 1988 pesticide subject to registration or re-registration.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

**DXH200 CAS: 150-60-7 HR: 1
DISULFIDE DIBENZYL**

mf: C₁₄H₁₄S₂ mw: 246.40

PROP: A solid. Mp: 71–72°.

SYN: DIBENZYLDISULFID (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,173,72
eye-rbt 500 mg/24H MLD 28ZPAK -,173,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of SO_x.

**DXH250 CAS: 97-77-8 HR: 3
DISULFIRAM**

mf: C₁₀H₂₀N₂S₄ mw: 296.56

PROP: Yellow-white crystals. Mp: 70°. Sol in CS₂, CHCl₃, C₆H₆, and EtOH.

SYNS: ABSTENSIL □ ABSTINYL □ ALCOPHOBIN □ ALK-AUBS □ ANTABUS □ ANTABUSE □ ANTADIX □ ANTAENYL □ ANTAETHAN □ ANTAETHYL □ ANTAETIL □ ANTALCOL

□ ANTETAN □ ANTETHYL □ ANTETIL □ ANTEYL □
 ANTIAETHAN □ ANTIETANOL □ ANTI-ETHYL □ ANTIETIL
 □ ANTIKOL □ ANTIVITUM □ AVERSAN □ AVERZAN □
 (BIS(DIETHYLAMINO)THIOXOMETHYL) DISULPHIDE □
 BIS(DIETHYLTHIOCARBAMOYL) DISULFIDE □ BIS(N,N-
 DIETHYLTHIOCARBAMOYL) DISULFIDE □ BIS(N,N-
 DIETHYLTHIOCARBAMOYL) DISULPHIDE □ BONIBAL □
 CONTRALIN □ CONTRAPOT □ CRONETAL □ DICUPRAL □
 DISETIL □ DISULFAN □ DISULFURAM □ DISULPHURAM □
 1,1'-DITHIOBIS(N,N-DIETHYLTHIOFORMAMIDE) □ EKAGOM
 TEDS □ EPHORRAN □ ESPENAL □ ESPERAL □ ETABUS □
 ETHYLDITHIURAME □ ETHYLDITHIURAME □ ETHYL
 THIRAM □ ETHYL THIUDAD □ ETHYL THIURAD □ ETHYL
 TUADS □ ETHYL TUEX □ EXHORAN □ EXHORRAN □ HOCA
 □ KROTENAL □ NCI-C02959 □ NOCBIN □ NOXAL □
 REFUSAL □ RO-SULFIRAM □ STOPAETHYL □ STOPETHYL □
 STOPETYL □ TATD □ TENURID □ TENUTEX □ TETD □
 TETIDIS □ TETRADIN □ TETRADINE □ TETRAETHYLTHIO-
 PEROXYDICARBONIC DIAMIDE □ TETRAETHYLTHIRAM
 DISULPHIDE □ TETRAETHYLTHIURAM □ TETRAETHYL-
 THIURAM DISULFIDE □ TETRAETHYLTHIURAM DISULPHIDE
 □ N,N,N',N'-TETRAETHYLTHIURAM DISULPHIDE □
 TETRAETIL □ TETURAM □ TETURAMIN □ THIOSAN □
 THIOSCABIN □ THIRERANIDE □ THIURAM E □ THIURAN-
 IDE □ TILLRAM □ TIURAM □ TTD □ TTS □ USAF B-33

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD FCTOD7 20,573,82
 mmo-sat 25 µg/plate CBINA8 49,329,84
 dni-ckn:emb 120 nmol/L BBACAQ 519,65,78
 orl-mus TDLo:35 g/kg/78W-I:NEO NTIS** PB223-159
 orl-hmn LDLo:160 mg/kg BMJOAE 2,94,77
 orl-wmn TDLo:90 mg/kg/18D-I:SYS JCLPDE 46,67,85
 orl-man TDLo:150 mg/kg/6W-I:MUS ARHEAW
 25,1494,82
 orl-chd TDLo:150 mg/kg 34ZIAG -,230,69
 orl-hmn LDLo:160 mg/kg BMJOAE 2,94,77
 orl-cld TDLo:150 mg/kg 34ZIAG -,230,69
 orl-rat LD50:500 mg/kg ATXKA8 22,12,66
 orl-mus LD50:1980 mg/kg AIPTAK 112,36,57
 ipr-mus LD50:75 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: IARC Cancer Review:
 Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence
 IMEMDT 12,85,76. NCI Carcinogenesis Bioassay (feed);
 No Evidence: mouse, rat NCITR* NCI-CG-TR-16,79.
 Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 mg/m³

ACGIH TLV: TWA 2 mg/m³; Not Classifiable as a
 Human Carcinogen

DFG MAK: 2 mg/m³

SAFETY PROFILE: A human poison by ingestion. An
 experimental poison by intraperitoneal route. Toxic
 symptoms when accompanied by ingestion of alcohol.
 Human systemic effects by ingestion: jaundice, joint
 changes. An experimental teratogen. Other experimental
 reproductive effects. Questionable carcinogen with
 experimental neoplastigenic data. See also THIRAM.

DXH300 CAS: 149-45-1 HR: 1
3,5-DISULFOCATECHOL DISODIUM SALT

mf: C₆H₆O₈S₂•2Na mw: 316.22

PROP: Crystals, nonhygroscopic. Produces water-sol,
 colored compounds with metal salts. Very freely sol in
 water; sltly sol in alc. IDLH 1000 mg/m³ (as Mo).

SYNS: 4,5-DIHYDROXY-1,3-BENZENEDISULFONIC ACID
 DISODIUM SALT □ SDD □ TIFERRON □ TIRON

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate ABCHA6 45,327,81
 mma-sat 100 µg/plate ABCHA6 45,327,81
 ipr-mus LD50:6103 mg/kg TOLED5 26,95,85

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Mildly toxic by intraperitoneal
 route. Experimental reproductive effects. Mutation data
 reported. Colorimetric reagent for iron, manganese,
 titanium, molybdenum. When heated to decomposition it
 emits toxic fumes of SO_x and Na₂O. See also
 SULFONATES.

DXH325 CAS: 298-04-4 HR: 3

DISULFOTON

DOT: NA 2783

mf: C₈H₁₉O₂PS₃ mw: 274.42

SYNS: BAY 19639 □ BAYER 19639 □ O,O-DIAETHYL-S-(2-
 AETHYLTHIO-AETHYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-
 DIAETHYL-S-(3-THIA-PENTYL)-DITHIOPHOSPHAT (GERMAN)
 □ O,O-DIETHYL-S-(2-ETHYLMERCAPTOETHYL) DITHIO-
 PHOSPHATE □ O,O-DIETHYL-S-(2-ETHYLTHIOETHYL)
 PHOSPHORODITHIOATE □ O,O-DIETHYL-S-(2-ETHYLTHIO-
 ETHYL)-DITHIOFOSFAAT (DUTCH) □ O,O-DIETHYL-2-
 ETHYLTHIOETHYL PHOSPHORODITHIOATE □ O,O-
 DIETHYL-S-2-(ETHYLTHIO)ETHYL PHOSPHORODITHIOATE
 □ O,O-DIETHYL-S-(2-ETHYLTHIOETHYL) THIOETHIONO-
 PHOSPHATE □ O,O-DIETHYL-S-(2-ETHYLTHIO-ETIL)-DITHIOFOS-
 FATO (ITALIAN) □ DI-SYSTON □ DITHIODEMETON □
 DITHIOPHOSPHATE de O,O-DIETHYLE et de S-(2-ETHYLTHIO-
 ETHYLE) □ DITHIOSYSTOX □ DUTION □ EKATIN TD □ ENT
 23,437 □ O,O-ETHYL-S-2-(ETHYLTHIO)ETHYL PHOSPHORODI-
 THIOATE □ ETHYL THIOMETON □ ETHYLTHIOMETON B □
 S-2-(ETHYLTHIO)ETHYL O,O-DIETHYL ESTER OF PHOS-
 PHORODITHIOIC ACID □ FRUMIN AL □ FRUMIN G □
 GLEBOFOS □ M-74 □ M-74 (PESTICIDE) □ PHOSPHORODI-
 THIONIC ACID, S-2-(ETHYLTHIO)ETHYL O,O-DIETHYL ESTER
 □ RCRA WASTE NUMBER P039 □ SOLVIREX □ THIODE-
 METON □ VUAGT 1-4 □ VUAGT 1964

TOXICITY DATA with REFERENCE:

mma-sat 5 mg/plate MUREAV 116,185,83
 mmo-esc 5 µL/plate MUREAV 28,405,75
 orl-rat LD50:4 mg/kg FMCHA2 -,C113,91
 ihl-rat LC50:200 mg/m³ 85GYAZ -,25,71
 skn-rat LD50:6 mg/kg TXAPA9 14,515,69
 ipr-rat LD50:2 mg/kg AMIHAB 17,192,58
 ivn-rat LD50:5500 mg/kg 13ZGAF -,206,62
 orl-mus LD50:4800 µg/kg GTPZAB 4(9),21,60
 ipr-mus LD50:5500 µg/kg AMIHAB 17,192,58
 orl-gpg LD50:10,800 µg/kg AMIHAB 17,192,58
 ipr-gpg LD50:7 mg/kg AMIHAB 17,192,58
 orl-qal LD50:12 mg/kg EESADV 8,551,84
 orl-dck LD50:6500 µg/kg DOEAAH 35,25,79

CONSENSUS REPORTS: EPA Extremely Hazardous
 Substances List. EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.1 mg/m³ (skin)

ACGIH TLV: TWA 0.05 mg/m³ (skin); Not Classifiable
 as a Human Carcinogen

mf: C₇H₁₂N₂O₂S₂ mw: 220.33

SYNS: 1,4-DITHIEPAN-6-ONE, o-((METHYLAMINO)-CARBONYL)OXIME □ 1,4-DITHIEPAN-6-ONE, o-((METHYLCARBAMOYL)OXIME □ PP 156

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg USXXAM #3773941

ipr-rat LD50:50 mg/kg USXXAM #3773941

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

DXI480 CAS: 153049-45-7 HR: 3
DITHIADENOXIDE

mf: C₁₇H₁₉NOS₂•C₄H₄O₄ mw: 433.57

SYNS: DITHIADENOXID HYDROGEN MALEATE □ 1-PROPANAMINE, N,N-DIMETHYL-3-THIENO(2,3-C)(2)BENZOTHIPIIN-4(9H)-YLIDNEN-S-OXIDE, (E)-, (Z)-2-BUTENEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

orl-rat LD50:319 mg/kg CKFRAY 41,185,1992

ivn-rat LD50:21,400 µg/kg CKFRAY 41,185,1992

orl-mus LD50:846 mg/kg CKFRAY 41,185,1992

ivn-mus LD50:72 mg/kg CKFRAY 41,185,1992

orl-gpg LD50:1053 mg/kg CKFRAY 41,185,1992

ivn-gpg LD50:134 mg/kg CKFRAY 41,185,1992

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

DXI500 CAS: 503-41-3 HR: 3
2,4-DITHIA-1,3-DIOXANE-2,2,4,4-TETRAOXIDE

mf: C₂H₄O₆S₂ mw: 188.17

PROP: Deliquescent crystals. Mp: 80°.

SYN: CARBYL SULFATE

SAFETY PROFILE: Potentially violent reaction with N-methyl-4-nitroaniline. When heated to decomposition it emits toxic fumes of SO_x.

DXI550 CAS: 505-29-3 HR: 2
p-DITHIANE

mf: C₄H₈S₂ mw: 120.24

SYNS: 1,4-DITHIACYCLOHEXANE □ 1,4-DITHIANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2768 mg/kg NTIS** AD-A172-647

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXI560 CAS: 87767-48-4 HR: 2
(((((1,4-DITHIAN-2-YLIDENEAMINO)OXY)-CARBONYL)METHYLAMINO)THIO)METHYL CARBAMIC ACID, (1-METHYLETHYLID-ENE)DI-4,1-PHENYLENE ESTER

mf: C₃₁H₃₈N₆O₈S₆ mw: 815.11

TOXICITY DATA with REFERENCE:

orl-rat LD50:>640 mg/kg USXXAM #4400389

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

DXI600 CAS: 7187-55-5 HR: 3
DITHIAZANINE

mf: C₂₃H₂₃N₃S₂ mw: 391.60

TOXICITY DATA with REFERENCE:

orl-mus LD50:2550 µg/kg RPOBAR 2,288,70

ipr-mus LD50:780 µg/kg RPOBAR 2,288,70

ivn-mus LD50:1800 µg/kg CSLNX* NX#01838

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

DXI800 CAS: 66788-41-8 HR: 3
(R,S)-α-(1-((3,3-DI-3-THIENYLALLYL)AMINO)-ETHYL))BENZYL ALCOHOL (+)-(α)-HYDROCHLORIDE

mf: C₂₀H₂₁NOS₂•ClH mw: 392.00

SYNS: 1-3,3-BIS(3'-THIENYL)-2-PROPENYL-(3-HYDROXY-3-PHENYLPROPYL-2)AMINE □ (+)-α-(1-(9,3,3-DI-3-THIENYL-ALLYL)AMINO)ETHYL)BENZYL ALCOHOL HYDROCHLORIDE □ d-8955 HYDROCHLORIDE □ NOVOCEBRIN HYDROCHLORIDE □ TINOFEDRINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:6600 mg/kg DRFUD4 4,286,79

orl-mus LD50:1890 mg/kg DRFUD4 4,286,79

ipr-mus LD50:14 mg/kg DRFUD4 4,286,79

ivn-mus LD50:20,150 µg/kg DRFUD4 4,286,79

ivn-dog LD50:20 mg/kg DRFUD4 4,286,79

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. A cerebral vasodilator. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

DXJ100 HR: 3
1-((3,3-DI-2-THIENYL-1-METHYL)ALLYL)-PYRROLIDINE HYDROCHLORIDE

mf: C₁₆H₁₉NS₂•ClH mw: 325.94

TOXICITY DATA with REFERENCE:

scu-rat LD50:92 mg/kg BJPCAL 8,2,53

scu-mus LD50:120 mg/kg BJPCAL 8,2,53

ivn-mus LD50:25 mg/kg BJPCAL 8,2,53

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

DXJ400 CAS: 64059-02-5 HR: 3
2,2'-DITHIOBIS(N-(1-ADAMANTYLMETHYL)-ACETAMIDINE) DIHYDROCHLORIDE HEMIHYDRATE

mf: C₂₆H₄₂N₄S₂•2ClH•½H₂O mw: 556.77

TOXICITY DATA with REFERENCE:

orl-mus LD50:325 mg/kg JMCAR 15,131,72

ipr-mus LD50:100 mg/kg JMCAR 15,131,72

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

DXJ800 CAS: 1141-88-4 HR: 3
2,2'-DITHIOBISANILINE

mf: C₁₂H₁₂N₂S₂ mw: 248.38

PROP: Leaflets or needles from EtOH (aq). Mp: 93°. Sol in acids or EtOH; sltly sol in H₂O.

SYNS: BIS(O-AMINOPHENYL)DISULFIDE □ BIS(2-AMINO-PHENYL)DISULFIDE □ 1,1'-BIS(2-AMINOPHENYL)DISULFIDE □ O,O'-DIAMINO DIPHENYL DISULFIDE □ O,O-DITHIO-BIS-ANILINE □ 2,2'-DITHIODIANILINE □ USAF AB-315

TOXICITY DATA with REFERENCE:

eye-rbt 50 µg/24H SEV 28ZPAK -,172,72
ipr-mus LD50:50 mg/kg NTIS** AD277-689
ivn-mus LD50:178 mg/kg CSLNX* NX#00263

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

DXL200 CAS: 2127-10-8 HR: D
2,2'-DITHIOBIS(5-NITROPYRIDINE)

mf: C₁₀H₆N₄O₄S₂ mw: 312.34

PROP: Needles from MeOH. Mp: 155–157°.

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate MUREAV 67,123,79

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

DXL400 CAS: 4540-66-3 HR: D
2,2'-DITHIOBIS(PYRIDINE-1-OXIDE)-

MAGNESIUM SULFATE TRIHYDRATE

mf: C₁₀H₈N₂O₂S₂•MgOS•3H₂O mw: 378.75

SYN: MDS

SAFETY PROFILE: Experimental teratogenic and reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

DXL800 CAS: 541-53-7 HR: 3
DITHIOBIURET

mf: C₂H₅N₃S₂ mw: 135.22

PROP: Crystals or needles from water. Mp: 181°, bp: decomp, d: 1.522 @ 30°. Sol in H₂O, EtOH, and Me₂CO.

SYNS: DTB □ RCRA WASTE NUMBER P049 □ 2-THIO-1-(THIOCARBAMOYL)UREA □ USAF B-44 □ USAF EK-P-6281

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 mg/kg JPETAB 90,260,47
ipr-rat LD50:29 mg/kg TXAPA9 57,63,81
ipr-mus LDLo:50 mg/kg NTIS** AD277-689

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

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

DXM000 CAS: 36551-21-0 HR: 3
DITHIOCARBONIC ACID-o-sec-BUTYL ESTER
SODIUM SALT

mf: C₅H₉OS₂•Na mw: 172.25

SYN: sec-BUTYLXANTHIC ACID SODIUM SALT

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 6,230,54
par-mus LDLo:400 mg/kg CBCCT* 7,696,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by parenteral route.

Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of SO_x and Na₂O. See also ESTERS.

DXM100 HR: 3
DITHIOCARBOXYMETHYL-p-CARBAMIDO-
PHENYLARSENOUS OXIDE

mf: C₉H₁₁AsN₂O₄S₂ mw: 350.26

SYNS: ((p-ARSONOPHENYL)CARBAMOYL)DITHIOCARBAMIC ACID □ N-((p-ARSONOPHENYL)CARBAMOYL)DITHIOGLYCINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg FEPA7 6,306,47
ipr-rat LD50:75 mg/kg FEPA7 6,306,47
ipr-mus LD50:100 mg/kg FEPA7 6,306,47

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

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

DXM200 CAS: 5339-39-9 HR: 3
p,p-DITHIOCYANATODIPHENYLAMINE

mf: C₁₄H₉N₃S₂ mw: 283.38

SYNS: THIOCYANIC ACID, DIESTER WITH p,p'-IMINODIPHENOL □ THIOCYANIC ACID, IMINODI-4,1-PHENYLENE ESTER □ TL 377

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:400 mg/m³/10M NDRC** NDCrc-132,SEP42

ipr-mus LD :>500 mg/kg CBCCT* 5,289,53
ivn-mus LD50:180 mg/kg CSLNX* NX#03897

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

DXM600 CAS: 1892-29-1 HR: 3
DITHIODIGLYCOL

mf: C₄H₁₀O₂S₂ mw: 154.26

PROP: Syrupy liquid. Mp: 17°, bp: 160–162° @ 0.1 mm.

SYNS: 2,2-DITHIODIETHANOL □ USAF TH-9

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXN300 CAS: 3696-28-4 HR: D
2,2'-DITHIODIPYRIDINE-1,1'-DIOXIDE

mf: C₁₀H₈N₂O₂S₂ mw: 252.32

PROP: A solid. Mp: 200–201° (decomp).

SYNS: DS □ OLIN

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

DXN350 CAS: 6892-68-8 HR: 3

1,4-DITHIOERYTHRITOLmf: C₄H₁₀O₂S₂ mw: 154.26**SYNS:** 2,3-BUTANEDIOL, 1,4-DIMERCAPTO-, (R*,S*)-(9CI) □ (R*,S*)-1,4-DIMERCAPTO-2,3-BUTANEDIOL □

DITHIOERYTHRITOL □ DTE □ ERYTHRITOL, 1,4-DITHIO-

TOXICITY DATA with REFERENCE:

cyt-hmn:lyms 100 µmol/L HEREAY 91,105,79

ims-mus LD50:309 mg/kg JPPMAB 1,576,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A poison by intramuscular route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**DNX400 CAS: 14807-75-1 HR: 3
1,1'-DITHIOFORMAMIDINE DIHYDROCHLORIDE**mf: C₂H₆N₄S₂·2ClH mw: 223.16**SYNS:** GUANYL DISULFIDE DIHYDROCHLORIDE □ USAF A-11074**TOXICITY DATA with REFERENCE:**

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**DNX500 CAS: 71108-14-0 HR: 2
1,3-DITHIOLANE-2,4-DIONE, 5,5-DIMETHYL-, 2-(DIMETHYHYDRAZONE), 4-(o-((METHYLETHYL((TRICHLOROMETHYL)THIO)AMINO)CARBONYL)OXIME)**mf: C₁₀H₁₃Cl₃N₄O₂S₃ mw: 425.82**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3500 µg/kg USXXAM #4156731

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, SO_x, and Cl⁻.**DNX600 CAS: 333-29-9 HR: 3
DITHIOLANE IMINOPHOSPHATE**mf: C₇H₁₄NO₂PS₃ mw: 271.37**SYNS:** AC-43064 □ AMERICAN CYANAMID AC 43,064 □ CL-43,064 □ CYALANE □ CYCLIC ETHYLENE (DIETHOXYPHOSPHINOTHIOYL)DITHIOIMIDOCARBONATE □ CYCLIC ETHYLENE ESTER of (DIETHOXYPHOSPHINOTHIOYL)-DITHIOIMIDOCARBONIC ACID □ CYLAN □ CYOLAN □ CYOLANE INSECTICIDE □ 2-(DIETHOXYPHOSPHINYL-IMINO)-1,3-DITHIOLANE □ O,O-DIETHYL 1,3-DITHIOLAN-2-YLIDENEPHOSPHORAMIDOTHIOATE □ DIETHYL-N-1,3-DITHIOLANYL-2-IMINO PHOSPHATE □ DITHIOLANE □ 1,3-DITHIOLAN-2-YLIDENE-PHOSPHORAMIDOTHIOIC ACID DIETHYL ESTER □ 1,3-DITHIOLAN-2-YLIDENE-PHOSPHORAMIDOTHIOIC ACID-O,O-DIETHYL ESTER □ ENT 25,809 □ IMINOPHOSPHATE □ PHOSFOLAN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:14 mg/kg IPLCBZ 22,40,80

orl-mus LD50:62 mg/kg AECTCV 14,111,85

skn-rbt LD50:23 mg/kg GUCHAZ 6,200,73

orl-ckn LD50:5200 µg/kg EXPEAM 30,63,74

orl-bwd LD50:1800 µg/kg TXAP A9 26,154,73

skn-bwd LD50:10 mg/kg TXAP A9 26,154,73

SAFETY PROFILE: Poison by ingestion and skin contact. An insecticide. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DNX709 CAS: 940-69-2 HR: 3
1,2-DITHIOLANE-3-VALERAMIDE**mf: C₈H₁₅NOS₂ mw: 205.36**SYNS:** 1,2-DITHIOLANE-3-PENTANAMIDE (9CI) □ LIPAMIDE □ α-LIPAMIDE □ LIPOACIN □ LIPOAMID □ LIPOAMIDE □ α-LIPOAMIDE □ LIPOCTON □ α-LIPOIC ACID AMIDE □ LIPOICIN □ LIPOZYME □ LYOARAN □ PATHOCLON □ THIOAMI □ THIOCTAMID □ THIOCTAMIDE □ THIOCTIC ACID AMIDE □ THIOTOMIN □ TICOLIN □ TIOCTAN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1980 mg/kg NIIRDN 6,454,82

ipr-rat LD50:250 mg/kg NIIRDN 6,454,82

scu-rat LD50:1700 mg/kg NIIRDN 6,454,82

orl-mus LD50:620 mg/kg NIIRDN 6,454,82

ipr-mus LD50:310 mg/kg NIIRDN 6,454,82

scu-mus LD50:3500 mg/kg NIIRDN 6,454,82

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of SO_x and NO_x.**DNX800 CAS: 62-46-4 HR: 3
1,2-DITHIOLANE-3-VALERIC ACID**mf: C₈H₁₄O₂S₂ mw: 206.34**SYNS:** ACETATE-REPLACING FACTOR □ BILETAN □ 5-(1,2-DITHIOLAN-3-YL)VALERIC ACID □ 6,8-DITHIOOCTANOIC ACID □ HEPARLIPON □ LIPOIC ACID □ α-LIPOIC ACID □ α-LIPONIC ACID □ α-LIPONSAEURE (GERMAN) □ LIPOSAN □ LIPOTHION □ THIOCTACID □ THIOCTIC ACID □ 6-THIOCTIC ACID □ 6,8-THIOCTIC ACID □ THIOCTIDASE □ THIOCTSAN □ THIOKTSAFURE (GERMAN) □ THIOOCTANOIC ACID □ 6-THIOTIC ACID □ 6,8-THIOTIC ACID □ TIOCTACID □ TIOCTIDASI □ TIOCTIDASI ACETATE REPLACING FACTOR**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1130 mg/kg NYKZAU 68,265,72

ipr-rat LD50:200 mg/kg NYKZAU 68,265,72

scu-rat LD50:230 mg/kg NYKZAU 68,265,72

ivn-rat LD50:180 mg/kg NYKZAU 68,265,72

orl-mus LD50:502 mg/kg ARTODN 41,79,78

ipr-mus LD50:160 mg/kg NIIRDN 6,454,82

scu-mus LD50:200 mg/kg NIIRDN 6,454,82

ivn-mus LD50:197 mg/kg NYKZAU 60,278,64

SAFETY PROFILE: Poison by intravenous, subcutaneous, and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x.**DNX820 CAS: 71108-08-2 HR: 3
1,3-DITHIOLAN-4-ONE, 5,5-DIMETHYL-2-(1,1-(DIMETHYLETHYL)IMINO)-, o-((METHYL-AMINO)CARBONYL) OXIME**mf: C₁₁H₁₉N₃O₂S₂ mw: 289.45**TOXICITY DATA with REFERENCE:**

orl-rat LD50:31,500 µg/kg USXXAM #4156731

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

DXN830 CAS: 21709-44-4 HR: 3
o-(1,3-DITHIOLAN-2-YL)PHENYL DIMETHYL-CARBAMATEmf: C₁₂H₁₅NO₂S₂ mw: 269.40**SYNS:** C 13963 □ C-13963 □ CARBAMIC ACID, DIMETHYL-, 2-(1,3-DITHIOLAN-2-YL)PHENYL ESTER □ CARBAMIC ACID, DIMETHYL-, o-(1,3-DITHIOLAN-2-YL)PHENYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:16 mg/kg JAFCAU 17,939,1969

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DXN850 CAS: 3706-77-2 HR: 3**
1,3-DITHOLIUM PERCHLORATEmf: C₃H₃ClO₄S₂ mw: 250.67**SAFETY PROFILE:** A friction- and heat-sensitive explosive. Explodes at 250°C. When heated to decomposition it emits toxic fumes of Cl⁻ and SO_x. See also PERCHLORATES.**DXO000 CAS: 572-48-5 HR: 3**
DITHIONmf: C₁₇H₂₁O₅PS mw: 368.41**PROP:** Crystals nearly insol in water. Mp: 88°.**SYNS:** O,O-DIETHYL-7-HYDROXY-3,4-TETRAMETHYLENE COUMARINYL PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(7,8,9,10-TETRAHYDRO-6-OXOBENZO(C)CHROMAN-3-YL)PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(7,8,9,10-TETRAHYDRO-6-OXO-6H-DIBENZO(b,d)PYRAN-3-YL)PHOSPHOROTHIOATE □ O,O-DIETHYL-O-(3,4-TETRAMETHYLENECOUMARINYL-7) THIOPHOSPHATE □ DITHIONE □ ENT 24,986 □ 7-HYDROXY-3,4-TETRAMETHYLENECOUMARIN-O,O-DIETHYL THIOPHOSPHATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:67 mg/kg PHJOAV 185,361,60

orl-mus LD50:3800 mg/kg 28ZEAL 5,56,76

orl-dog LD50:400 mg/kg 28ZEAL 5,56,76

orl-rbt LD50:500 mg/kg 28ZEAL 5,56,76

orl-gpg LD50:200 mg/kg 28ZEAL 5,56,76

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of PO_x and SO_x. See also PARATHION.**DXO200 CAS: 79-40-3 HR: 3**
DITHIOOXAMIDEmf: C₂H₄N₂S₂ mw: 120.20**PROP:** Red crystals.**SYNS:** DITHIOOXALDIIMIDIC ACID □ DITHIOXAMIDE □ ETHANEDITHIOAMIDE □ HYDRORUBEANIC ACID □ RUBEANE □ RUBEANIC ACID □ RVK □ USAF EK-4394 □ USAF MK-6**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:500 mg/kg NCNSA6 5,43,53

orl-mus LD50:350 mg/kg FATOAO 28,230,65

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

ivn-mus LD50:56 mg/kg CSLNX* NX#04475

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DXO300 CAS: 59-58-5 HR: 3**
DITHIOPROPYLTHIAMINEmf: C₁₅H₂₄N₄O₂S₂ mw: 356.55**PROP:** Prisms from benzene. Mp: 128–129° (decomp). Sparingly sol in water. Soluble in org solvs and lipids.**SYNS:** ALINAMIN □ ALITON □ ANEURIMEC □ ARINAMINE □ AUSOVIT □ BETATRON □ BINOVA □ DITOVIT □ LIPONEURINA □ MARINEURINA □ NERVILON □ NEURVITA □ NEVRITON □ NUVELBI V.C.A. □ OROBETINA □ PRONEURIN □ PROSULTHIAMINE □ PROSULTIAMINE □ SINTOTIAMINA □ THIAMINE PROPYL DISULFIDE □ THIAMIN PROPYL DISULFIDE □ TIOTIAMINE □ TIOVIT-B₁ □ TIPIDI □ TPD □ VITAMIN B₁ PROPYL DISULFIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2750 mg/kg NIIRDN 6,724,82

ipr-mus LD50:650 mg/kg NIIRDN 6,724,82

ivn-mus LD50:320 mg/kg NIIRDN 6,724,82

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO_x and NO_x.**DXO400 CAS: 973-99-9 HR: 3**
DITHIOPROPYLTHIAMINE HYDROCHLORIDEmf: C₁₅H₂₄N₄O₂S₂•ClH mw: 393.01**PROP:** A solid. Mp: 160–161° (decomp).**SYNS:** DTP HYDROCHLORIDE □ THIAMINE PROPYL DISULFIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2512 mg/kg IZVIAK 37,82,67

ivn-mus LD50:302 mg/kg IZVIAK 37,82,67

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of HCl, SO_x, and NO_x.**DXO600 CAS: 1076-98-8 HR: 3**
DITHIOTEREPHTHALIC ACIDmf: C₈H₆O₂S₂ mw: 198.26**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:320 mg/kg CSLNX* NX#01918

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of SO_x.**DXO775 CAS: 27565-41-9 HR: 3**
DITHIOTHREITOLmf: C₄H₁₀O₂S₂ mw: 154.26**SYNS:** CLELAND'S REAGENT □ (R*,R*)-(±)-1,4-DIMERCAPTO-2,3-BUTANEDIOL (9CI) □ dl-threo-DIMERCAPTO-2,3-BUTANEDIOL □ dl-DITHIOTHREITOL □ dl-1,4-DITHIOTHREITOL □ rac-DITHIOTHREITOL □ DTT**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate ABCHA6 45,327,81

mma-sat 100 µg/plate ABCHA6 45,327,81

dnd-omi 1 mmol/L BBBCA9 77,1150,77
 mnt-nml:emb 2 mmol/L JCLBA3 60,497,74
 cyt-nml:emb 2 mmol/L JCLBA3 60,497,74
 dni-rat:lvrl 1 mmol/L ABBIA4 166,400,75
 ipr-mus LD50:169 mg/kg JMCAR 15,600,72
 scu-mus LD50:333 mg/kg ARZNAD 22,1434,72
 ivn-mus LD50:94 mg/kg ARZNAD 22,1434,72

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

DXO800 CAS: 3483-12-3 HR: 3
d-1,4-DITHIOTHREITOL

mf: C₄H₁₀O₂S₂ mw: 154.26

PROP: Bp: 115–116° @ 1 mm.

SYNS: CLELAND'S REAGENT □ D-DTT □ d-threo-1,4-DIMERCAPTO-2,3-BUTANEDIOL □ 1,4-DITHIOTHREITOL □ DTT □ SPUTOLYSIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:154 mg/kg YKKZAJ 94,1419,74
 ims-mus LD50:108 mg/kg JPPMAB 1,576,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXO850 CAS: 992-59-6 HR: D
DITOLYLBIS(AZONAPHTHIONIC ACID)

mf: C₃₄H₂₆N₆O₆S₂·2Na mw: 724.76

SYNS: AMANIL PURPURINE 4B □ ATUL DIRECT RED 4B □ AZAMIN 4B □ AZOCARD RED 4B □ BENCIDAL PURPLE 4B □ BENZANIL PURPURINE 4B □ BENZOPURPURIN 4B □ BENZOPURPURINE 4B □ BENZOPURPURINE 4BKX □ BENZOPURPURINE 4BX □ BRASILAMINA RED 4B □ CALCOMINE RED 4BX □ CERVEN PRIMA 2 □ CHROME LEATHER RED 4B □ C.I. 23500 □ C.I. DIRECT RED 2 □ COTTON RED 4B □ DIACOTTON BENZOPURPURINE 4B □ DIAMINE PURPURINE 4B □ DIAPHTAMINE PURPURINE □ DIAZAMINE PURPURINE 4B □ DIAZINE RED 4B □ DIAZOL PURPURINE 4B □ DIPHENYL RED 4B □ DIPHENYL RED 4BS □ DIRECT PURPURINE 4B □ DIRECT PURPURINE M4B □ DIRECT RED 2 □ DIRECT RED 4A □ DIRECT RED 4B □ DIRECT RED DCB □ ECLIPSE RED □ ERIE BENZO 4BP □ ERIE RED 4B □ FAST SCARLET □ HISPAMIN RED 4B □ KAYAKU BENZOPURPURINE 4B □ MITSUI BENZOPURPURINE 4BX □ 1-NAPHTHALENESULFONIC ACID, 3,3'-(3,3'-DIMETHYL(1,1'-BIPHENYL)-4,4'-DIYL)BIS(AZO))BIS(4-AMINO-), DISODIUM SALT □ PAPER RED 4B □ PHENAMINE PURPURINE 4B □ PURPURIN 4B □ PURPURINE 4B □ TERTRODIRECT RED 4B

TOXICITY DATA with REFERENCE:

mma-sat 30 µg/plate JTEHD6 18,111,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dyes, 5013.

DXP000 CAS: 27755-15-3 HR: 2
DITOLYLETHANE

mf: C₁₆H₁₈ mw: 210.34

TOXICITY DATA with REFERENCE:

orl-mus TDLo:9200 mg/kg/73W-C:ETA GTPZAB 15(5),49,71

orl-mus LD50:725 mg/kg GTPZAB 15(5),49,71

scu-mus LD50:10 g/kg GTPZAB 15(5),49,71

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

DXP200 CAS: 97-39-2 HR: 3
DI-o-TOLYLGUANIDINE

mf: C₁₅H₁₇N₃ mw: 239.35

PROP: White crystals from alc (aq). Mp: 179°, d: 1.10 @ 20°/4°, vap d: 8.24.

SYNS: DIORTHOTOLYLGUANIDINE □ 1,3-DI-o-TOLYLGUANIDINE □ DOTG ACCELERATOR □ USAF A-6598 □ VULKACIT DOTG/C

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg JPETAB 90,260,47

ipr-mus LD50:25 mg/kg NTIS** AD277-689

orl-rbt LDLo:120 mg/kg JIDHAN 13,87,31

orl-gpg LDLo:120 mg/kg JIDHAN 13,87,31

orl-mam LDLo:120 mg/kg JIDHAN 13,87,31

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXP300 CAS: 27758-60-7 HR: D
N,N-DI(p-TOLYL)HYDRAZINE

mf: C₁₄H₁₆N₂ mw: 212.32

SYNS: HYDRAZINE, 1,1-BIS(4-METHYLPHENYL)- (9CI) □ HYDRAZINE, 1,1-BIS(p-METHYLPHENYL)- □ HYDRAZINE, 1,1-DI-p-TOLYL-

TOXICITY DATA with REFERENCE:

mic-sat 670 nmol/plate MUREAV 278,215,1992

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

DXP400 CAS: 15017-02-4 HR: 3
N,N'-DI-o-TOLYL-p-PHENYLENEDIAMINE

mf: C₂₀H₂₀N₂ mw: 288.42

SYN: USAF GY-1

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 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 NO_x.

DXP600 CAS: 137-97-3 HR: 3
DI-o-TOLYLTHIOUREA

mf: C₁₅H₁₆N₂S mw: 256.39

PROP: Crystals or needles from alc. Mp: 165–166°, vap d: 8.85. Sol in dichloroethane.

SYNS: N,N'-BIS(2-METHYLPHENYL)THIOUREA □ 1,3-BIS(4-TOLYL)-2-THIOUREA □ 2,2'-DIMETHYLTHIOCARBANILIDE □ DI-*o*-TOLUYLTHIOUREA □ USAF EK-1651

TOXICITY DATA with REFERENCE:

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

orl-rbt LDLo:3000 mg/kg JPETAB 17,349,21

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXP800 CAS: 8015-54-1 HR: 3
DITRAN

mf: C₂₀H₂₉NO₃•C₂₀H₂₉NO₃•2ClH mw: 735.92

SYN: JB 329

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:40 µg/kg:EYE,CNS,GIT JNMDAN 131,428,60

ims-man TDLo:150 µg/kg:CNS FEPA7 32,250,73

ipr-rat LD50:25 mg/kg 27ZQAG -,224,72

ivn-rat LD50:19 mg/kg 27ZQAG -,224,72

ims-rat LD50:1193 µg/kg BJPCBM 39,822,70

orl-mus LD50:300 mg/kg ARZNAD 21,1727,71

ipr-mus LD50:60 mg/kg 27ZQAG -,224,72

ivn-mus LD50:10 mg/kg 27ZQAG -,224,72

ims-mus LD50:1634 µg/kg BJPCBM 39,822,70

ivn-rbt LD50:12 mg/kg 27ZQAG -,224,72

ivn-gpg LD50:45 mg/kg 27ZQAG -,224,72

ims-gpg LD50:327 µg/kg BJPCBM 39,822,70

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and intramuscular routes. Human systemic effects by ingestion and intramuscular routes: visual field changes, hallucinations, distorted perceptions, nausea and vomiting. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

DXQ000 CAS: 5910-75-8 HR: 2
DITRIDECYLAMINE

mf: C₂₆H₅₅N mw: 381.82

PROP: Crystals or powder. Sol in EtOH and Et₂O.

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:9850 mg/kg AIHAAP 23,95,62

skn-rbt LD50:3540 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DXQ200 CAS: 119-06-2 HR: 2
DITRIDECYL PHTHALATE

mf: C₃₄H₅₈O₄ mw: 530.92

PROP: D: 0.951 @ 20°/20°, bp: >285° @ 5 mm, flash p: 470°F (OC).

SYNS: 1,2-BENZENEDICARBOXYLIC ACID, DITRIDECYL ESTER □ DTDIP □ JAYFLEX DTDIP □ NUOPLAZ □ PHTHALIC ACID, DITRIDECYL ESTER □ POLYCIZER 962-BPA □ STALFEX DTDIP □ 1-TRIDECANOL PHTHALATE □ TRUFLEX DTDIP

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. Combustible when exposed to heat or flame. To fight fire, use dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes.

DXQ339 HR: 3
DI[TRIS-1,2-DIAMINOETHANECHROMIUM(III)]-TRIPEROXODISULFATE

mf: C₁₂H₂₄Cr₂N₁₂O₂₄S₆ mw: 1016.78

PROP: IDLH 25 mg/m³ [as Cr(III)].

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

SAFETY PROFILE: Explodes. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also CHROMIUM COMPOUNDS, PEROXIDES, and SULFATES.

DXQ369 HR: 3
DI[TRIS-1,2-DIAMINOETHANECOBALT(III)]-TRIPEROXODISULFATE

mf: C₁₂H₂₄Co₂N₁₂O₂₄S₆ mw: 1030.66

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

SAFETY PROFILE: Explodes. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also COBALT COMPOUNDS, PEROXIDES, and SULFATES.

DXQ400 CAS: 3648-20-2 HR: 1
DIUNDECYL PHTHALATE

mf: C₃₀H₅₀O₂ mw: 442.80

SYN: SANTICIZER 711

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD MONS** 11/4/75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DXQ500 CAS: 330-54-1 HR: 2
DIURON

mf: C₉H₁₀Cl₂N₂O mw: 233.11

PROP: Crystals. Mp: 153.5–155°. Sltly sol in water and hydrocarbon solvents.

SYNS: AF 101 □ CEKIURON □ CRISURON □ DAILON □ DCMU □ DIATER □ 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYLUREUM (DUTCH) □ DICHLORFENIDIM □ 3-(3,4-DICHLOROPHENOL)-1,1-DIMETHYLUREA □ N'-(3,4-DICHLOROPHENYL)-N,N-DIMETHYLUREA □ 1-(3,4-DICHLOROPHENYL)-3,3-DIMETHYLUREE (FRENCH) □ 3-(3,4-DICHLOROPHENYL)-1,1-DIMETHYL-HARNSTOFF (GERMAN) □ 3-(3,4-DICHLORO-FENYL)-1,1-DIMETHYL-UREA (ITALIAN) □ 1,1-DIMETHYL-3-(3,4-DICHLOROPHENYL)UREA □ DI-ON □ DIREX 4L □ DIUREX □ DIUROL □ DIURON 4L □ DMU □ DREXEL □ DREXEL DIURON 4L □ DURAN □ DYNEX □ FARMCO DIURON □ HERBATOX □ HW 920 □ KARMEX □ KARMEX DIURON HERBICIDE □ KARMEX DW □ MARMER □

SUP'R FLO □ TELVAR □ TELVAR DIURON WEED KILLER □ UNIDRON □ USAF P-7 □ USAF XR-42 □ VONDURON

TOXICITY DATA with REFERENCE:

mma-sat 3 µg/plate MUREAV 58,353,78

dni-mus-ori 1 g/kg MUREAV 58,353,78

scu-mus TDLo:1935 mg/kg (female 6-14D post):TER NTIS** PB223-160

ori-rat LD50:1017 mg/kg JAFCAU 18,1104,70

ipr-mus LDLo:500 mg/kg NTIS** AD277-689

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

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

OSHA PEL: TWA 10 mg/m³

ACGIH TLV: TWA 10 mg/m³

NIOSH REL: (Diuron) TWA 10 mg/m³

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Questionable carcinogen with experimental tumorigenic and teratogenic data. Mutation data reported. When heated to decomposition it emits highly toxic fumes of Cl⁻ and NO_x. See also CHLOROPHENOLS.

DXQ740 CAS: 1321-74-0 HR: 1
DIVINYLBENZENE

mf: C₁₀H₁₀ mw: 130.20

SYNS: BENZENE, DIVINYL- □ VINYLSTYRENE

TOXICITY DATA with REFERENCE:

ori-rat LDLo:4644 mg/kg AMIHAB 19,403,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 10 ppm

NIOSH REL: (divinyl benzene) TWA 10 ppm

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. Combustible. When heated to decomposition it emits acrid smoke and irritating fumes.

DXQ745 CAS: 108-57-6 HR: 2
DIVINYLBENZENE

mf: C₁₀H₁₀ mw: 130.20

PROP: Pale straw-colored liquid. Bp: 195–200°, mp: –87°, d: 0.918, flash p: 165F°. Not misc in water; sol in ether and methanol.

SYNS: m-DIVINYLBENZEN □ m-DIVINYLBENZENE □ m-VINYLSYRENE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,38,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: 10 ppm

ACGIH TLV: 10 ppm

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

DXQ750 HR: D
DIVINYLBENZENE COPOLYMER

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

DXQ850 CAS: 6928-74-1 HR: 3
DIVINYLMAGNESIUM

mf: C₄H₆Mg mw: 78.40

(H₂C=CH)₂Mg

SAFETY PROFILE: May ignite spontaneously in air. See also MAGNESIUM COMPOUNDS.

DXR000 CAS: 78-19-3 HR: 3
3,9-DIVINYLSPIROBI(m-DIOXANE)

mf: C₁₁H₁₆O₄ mw: 212.27

PROP: A solid. Mp: 40–45°, bp: 93–94° @ 1 mm.

SYN: 3,9-DIVINYL-2,4,8,10-TETRAOXASPIRO(5.5)UNDECANE

TOXICITY DATA with REFERENCE:

ori-rat LD50:4066 mg/kg AIHAAP 30,470,69

ivn-mus LD50:320 mg/kg CSLNX* NX#01186

skn-rbt LD50:9908 mg/kg AIHAAP 30,470,69

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

DXR200 CAS: 77-77-0 HR: 3
DIVINYLSULFONE

mf: C₄H₆O₂S mw: 118.16

PROP: Bp: 90–92°.

SYNS: TL 797 □ VINYL SULFONE

TOXICITY DATA with REFERENCE:

skn-rbt 50 mg open MOD UCDS** 3/18/65

eye-rbt 5 mg/24H SEV 85JCAE -,1047,86

ori-rat LD50:32 mg/kg AIHAAP 23,95,62

ipr-rat LD50:3 mg/kg TXAPA9 31,222,75

scu-rat LD50:14 mg/kg JPETAB 93,1,48

ivn-rat LD50:12 mg/kg JPETAB 93,1,48

scu-mus LD50:16 mg/kg JPETAB 93,1,48

ihl-mus LCLo:990 mg/m³/10M NDRC** No. 9-4-1-9,43

ivn-mus LD50:11 mg/kg JPETAB 93,1,48

skn-rbt LD50:22 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Poison by ingestion, skin contact, intravenous, subcutaneous, and intraperitoneal routes. A severe skin and eye irritant. See also SULFONATES.

DXR400 CAS: 25724-33-8 HR: 2
2,5-DIVINYLTETRAHYDROPYRAN

mf: C₉H₁₄O mw: 138.23

SYNS: 2,5-DIVINYLTETRAHYDRO-2H-PYRAN □

TETRAHYDRO-2,5-DIVINYL-2H-PYRAN □ TETRAHYDRO-2,5-DIVINYLPYRAN

TOXICITY DATA with REFERENCE:

ori-rat LD50:2460 mg/kg AIHAAP 30,470,69

skn-rbt LD50:1410 mg/kg AIHAAP 30,470,69

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

DXR450 CAS: 7532-85-6 HR: 2
DIVINYLTIN DICHLORIDE

mf: C₄H₆Cl₂Sn mw: 243.69

SYNS: DICHLORODIVINYLSSTANNANE □ DICHLORODIVINYLTIN □ STANNANE, DICHLORODIETHENYL- □ STANNANE, DICHLORODIVINYL- □ TIN, DICHLORODIVINYL-

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV NTIS** OTS0540376
 orl-rat LDLo:500 mg/kg NTIS** OTS0540376
 ihl-rat LC >933 mg/m³/1H NTIS** OTS0540376

SAFETY PROFILE: Moderately toxic by ingestion. Low toxicity by inhalation. A severe eye irritant. When heated to decomposition it emits toxic vapors of Sn and Cl⁻.

DXR500 CAS: 1119-22-8 HR: 3
DIVINYL ZINC

mf: C₄H₆Zn mw: 119.48
 (H₂C=CH)₂Zn

PROP: A liquid. Bp: 32° @ 22 mm.

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

SAFETY PROFILE: Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of ZnO. See also ZINC COMPOUNDS.

DXR800 CAS: 60539-20-0 HR: 3
DIXYRAZINE DIHYDROCHLORIDE

mf: C₂₄H₃₃N₃O₂S•2ClH mw: 500.58

SYN: 2-(2-(4-(2-METHYL-3-PHENOTHIAZIN-10-YLPROPYL)-1-PIPERAZINYL)ETHOXY)ETHANOL DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:420 mg/kg 27ZQAG -,22,72
 ipr-mus LD50:102 mg/kg 27ZQAG -,22,72
 ivn-mus LD50:48 mg/kg 27ZQAG -,22,72

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

DXS000 CAS: 38001-34-2 HR: 2
(α-DIYLENE)POLY(p-AMINO BENZALDEHYDE-N)

mf: C₁₄H₁₂N₂O•(C₇H₅N)_n

SYN: POLY-p-AMINO BENZALDEHYD (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,254,72

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x. See also ALDEHYDES.

DXS200 CAS: 38222-35-4 HR: 3
DMA

mf: C₈H₁₃NO₃ mw: 171.22

SYNS: 2,5-DIHYDROXY-3-DIMETHYLAMINO-5-METHYL-2-CYCLOPENTEN-1-ONE □ DIMETHYLAMINO HEXOSE REDUCTIONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg PSEBAA 106,656,61
 ipr-mus LD50:300 mg/kg PSEBAA 106,656,61

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

DXS300 CAS: 70244-12-1 HR: D
trans-DMS-DIACETATE

mf: C₂₀H₂₀O₄ mw: 324.40

SYNS: (E)-α,α'-DIMETHYL-4,4'-STILBENEDIOL DIACETATE (ester) □ trans-DIMETHYLSTILBESTROL DIACETATE □ trans-DIMETHYLSTILBOESTROL DIACETATE

TOXICITY DATA with REFERENCE:

scu-mus TDLo:12,240 µg/kg (4-6D preg):REP JRPFA4 5,239,63

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and fumes.

DXS375 CAS: 52663-81-7 HR: 3
DOBUTAMINE HYDROCHLORIDE

mf: C₁₈H₂₃NO₃•ClH mw: 337.88

PROP: A solid. Mp: 184–186°.

SYNS: dl-3,4-DIHYDROXY-N-3-(4-HYDROXYPHENYL)-1-METHYL-n-PROPYL PHENETHYLAMINE HYDROCHLORIDE □ DOBUTREX □ (±)-4-(2-((3-(4-HYDROXYPHENYL)-1-METHYLPROPYL)AMINO)ETHYL)-1,2-BENZENEDIOL HYDROCHLORIDE □ 4-(2-((3-(p-HYDROXYPHENYL)-1-METHYLPROPYL)AMINO)ETHYL)PYROCATECHOL HYDROCHLORIDE □ INOTREX □ S-1000

TOXICITY DATA with REFERENCE:

orl-rat LD50:2296 mg/kg IYKEDH 13,349,82
 ipr-rat LD50:260 mg/kg IYKEDH 13,349,82
 scu-rat LD50:368 mg/kg IYKEDH 13,349,82
 ivn-rat LD50:59,600 µg/kg YACHDS 7,627,79
 orl-mus LD50:1324 mg/kg IYKEDH 13,349,82
 ipr-mus LD50:243 mg/kg YACHDS 7,627,79
 scu-mus LD50:341 mg/kg YACHDS 7,627,79
 ivn-mus LD50:34,300 µg/kg YACHDS 7,627,79

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

DXS400 CAS: 38001-34-2 HR: 3
DODECACARBONYLDIVANADIUM

mf: C₁₂O₁₂V₂ mw: 438.02

SAFETY PROFILE: Ignites spontaneously in air. See also VANADIUM COMPOUNDS.

DXS600 CAS: 38001-34-2 HR: 3
DODECACARBONYLTRIIRON

mf: C₁₂Fe₃O₁₂ mw: 503.67

SAFETY PROFILE: On prolonged storage it will ignite spontaneously in air. When heated to decomposition it emits acrid smoke and fumes.

DXS700 CAS: 38001-34-2 HR: 2
Δ-DODECALACTONE

mf: C₁₂H₂₂O₂ mw: 198.31

PROP: Colorless to yellow liquid; coconut-fruity odor. Refr index: 1.458–1.461, flash p: 151°F. Very sol in alc, propylene glycol, veg oil; insol in water.

SYN: FEMA No. 2401

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

DXS800 CAS: 141-63-9 HR: 1
DODECAMETHYLPENTASILOXANE

mf: C₁₂H₂₄O mw: 184.36

SYN: PENTASILOXANE, DODECAMETHYL-

TOXICITY DATA with REFERENCE:

orl-gpg LDLo:50 g/kg JIDHAN 30,332,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Slightly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**DXT000 CAS: 112-54-9 HR: 1
1-DODECANAL**mf: C₁₂H₂₄O mw: 184.36**PROP:** Crystals. Mp: 44.5°, bp: 184–185° @ 100 mm. Reported in pine-needle, lime, sweet-orange, and a dozen other essential oils (FCTXAV 11,477,73). Colorless to light-yellow liquid; fatty odor. D: 0.826–0.836, refr index: 1.433–1.439, flash p: 180°F. Sol in alc, fixed oils, propylene glycol; insol in glycerin, water.**SYNS:** C-12 ALDEHYDE, LAURIC □ 1-DODECYL ALDEHYDE □ DUODECYLIC ALDEHYDE □ FEMA No. 2615 □ LAURYL ALDEHYDE (FCC)**TOXICITY DATA with REFERENCE:**

skn-hmn 5 mg/48H MLD FCTXAV 11,1079,73

skn-rbt 500 mg/24H MOD FCTXAV 11,1079,73

orl-rat LD50:23 g/kg FCTXAV 11,483,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. A human and experimental skin irritant. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.**DXT200 CAS: 112-40-3 HR: 2
DODECANE**mf: C₁₂H₂₆ mw: 170.38**PROP:** A liquid. Fp: –12°, bp: 214.5°.**SYNS:** ADAKANE 12 □ BIHEXYL □ DIHEXYL □ n-DODECAN (GERMAN) □ DUODECANE**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**DXT400 CAS: 2437-25-4 HR: 2
DODECANENITRILE**mf: C₁₂H₂₃N mw: 181.36

SYN: LAURONITRILE

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and CN[–]. See also NITRILES.**DXT500 CAS: 5137-70-2 HR: 2
1-DODECANEPHOSPHONIC ACID**mf: C₁₂H₂₇O₃P mw: 250.36**SYNS:** n-DODECANEPHOSPHONIC ACID □ PHOSPHONIC ACID, DODECYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:500 mg/kg CBCCT* 9,132,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of PO_x.**DXT800 CAS: 25103-58-6 HR: 3
tert-DODECANETHIOL**mf: C₁₂H₂₆S mw: 202.44**PROP:** White to light-yellow liquid. Bp: 200–235°, flash p: 205°F (OC), d: 0.85 @ 25°/25°, vap d: 6.98.**SYNS:** tert-DODECYLMERCAPTAN □ tert-DODECYLMERCAPTAN (CZECH) □ tert-DODECYLTHIOL □ 2,3,3,4,4,5-HEXAMETHYL-2-HEXANETHIOL**TOXICITY DATA with REFERENCE:**

skn-rbt 20 mg/24H MOD 85JCAE -,986,86

eye-rbt 500 mg/24H MLD 85JCAE -,986,86 28ZPAK -,169,72

ipr-rat LD50:1833 mg/kg 85GMAT -,64,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intraperitoneal route. A skin and eye irritant. Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of SO_x. See also MERCAPTANS and SULFATES.**DXT900 CAS: 139953-95-0 HR: D
1'-(1,3,5,7,9-DODECAPENTAENYLOXY)-
PROPANE**mf: C₁₅H₂₂O mw: 218.37**SYNS:** (ALL E)-1-PROPOXY-1,3,5,7,9-DODECAPENTAENE □ PROPYL FP-12 □ 1,3,5,7,9-DODECAPENTAENE, 1-PROPOXY-, (ALL-E)-**TOXICITY DATA with REFERENCE:**

mic-sat 1 µLg/plate MUREAV 281,93,1992

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**DXU200 CAS: 18186-71-5 HR: 3
DODECATRIETHYLAMMONIUM BROMIDE**mf: C₁₈H₄₀N⁺Br mw: 350.50**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:30 mg/kg JPMSAE 57,1431,68

orl-mus LD50:7 mg/kg JPMSAE 57,1431,68

ipr-mus LD50:8380 µg/kg JPMSAE 57,1431,68

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Br[–]. See also BROMIDES.**DXU250 CAS: 76379-66-3 HR: 3
5,7,11-DODECATRIYN-1-OL**mf: C₁₂H₁₆O mw: 176.28**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD JJATDK 8,35,88

orl-rat LD50:250 mg/kg JJATDK 8,35,88

SAFETY PROFILE: Poison by ingestion.

Experimental reproductive effects. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DXU260 CAS: 112-41-4 HR: 1
1-DODECEN

mf: $C_{12}H_{24}$ mw: 168.32

TOXICITY DATA with REFERENCE:

orl-mus LDLo:10 g/kg VCVGH*-53,1990

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

DXU280 CAS: 4826-62-4 HR: 2
2-DODECENAL

mf: $C_{12}H_{22}O$ mw: 182.34

SYN: β -OCTYL ACROLEIN

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV FCTOD7 21,849,83

skn-rbt LDLo:5 g/kg FCTOD7 21,849,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXU300 HR: D
trans-2-DODECEN-1-AL

mf: $C_{12}H_{22}O$ mw: 182.31

PROP: Slightly yellow liquid; fatty, citruslike odor. D: 0.839–0.049, refr index: 1.462. Sol in alc, fixed oils; insol in water.

SYN: FEMA No. 2402

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

DXU400 CAS: 2855-19-8 HR: 2
DODECENE EPOXIDE

mf: $C_{12}H_{24}O$ mw: 184.36

SYN: 1,2-EPOXYDODECANE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXU600 CAS: 56530-48-4 HR: 2
9a-DODECENOATE

mf: $C_{32}H_{49}O_6$ mw: 528.80

SYN: 12-DEOXYPHORBOL-13-DODECENOATE

TOXICITY DATA with REFERENCE:

skn-mus 42 ng open ARTODN 44,279,80

skn-mus 30 ng/4H APTOA6 37,250,75

skn-mus 100 ng/24H APTOA6 37,250,75

SAFETY PROFILE: A skin irritant requiring only very small amounts for effect. When heated to decomposition it emits acrid smoke and irritating fumes.

DXU800 CAS: 20056-92-2 HR: 1
(Z)-7-DODECEN-1-OL

mf: $C_{12}H_{24}O$ mw: 184.36

PROP: A liquid.

SYN: LOOPLURE INHIBITOR

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H TXAPA9 31,421,75

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

DXU822 CAS: 35148-19-7 HR: 1
(E)-9-DODECENOL ACETATE

mf: $C_{14}H_{26}O_2$ mw: 226.36

SYNS: ACETIC ACID, 9-DODECEN-1-YL ESTER, (E)- □ 9-DODECEN-1-OL, ACETATE, (9E)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>15,000 mg/kg HBPTO* 1,142,2001

skn-rbt LD50:>3000 mg/kg HBPTO* 1,142,2001

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

DXU830 CAS: 14959-86-5 HR: 1
cis-7-DODECENYL ACETATE

mf: $C_{14}H_{26}O_2$ mw: 226.40

SYNS: CABBLEMONE □ 7-DODECEN-1-OL, ACETATE, (Z)- □ (Z)-7-DODECENYL ACETATE □ (Z)-7-DODECEN-1-OLACETATE □ ENT 33,266 □ LOOPLURE □ PHEROCON CL

TOXICITY DATA with REFERENCE:

orl-rat LD50:13,430 mg/kg TXAPA9 31,421,75

ihl-rat LC50:>4500 mg/m³ TXAPA9 31,421,75

skn-rbt LD50:>2025 mg/kg TXAPA9 31,421,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXV000 CAS: 25377-73-5 HR: 3
DODECENYLSUCCINIC ANHYDRIDE

mf: $C_{16}H_{27}O_3$ mw: 266.38

PROP: Light-yellow, clear, visc oil. Bp: 180–182° @ 5 mm, flash p: 352°F (COC), d: 1.002 @ 25°/4°.

SYNS: DDS □ DDS A □ 2,5-FURANDIONE, 3-(DODECENYL)DIHYDRO-

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:1220 mg/m³/4H EPASR* 8EHQ-0282-0432

ipr-mus LD50:320 mg/kg NTIS** AD441-640

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation and intraperitoneal routes. An irritant and sensitizer. 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.

DXV400 CAS: 112-66-3 HR: 1
n-DODECYL ACETATE

mf: $C_{14}H_{28}O_2$ mw: 228.42

SYNS: ACETATE C-12 □ ACETIC ACID, DODECYL ESTER □ DODECANOL ACETATE □ 1-DODECANOL ACETATE □ DODECAN-1-YL ACETATE □ DODECYL ACETATE □ DODECYL ALCOHOL ACETATE □ LAURYL ACETATE

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DXV600 CAS: 112-53-8 HR: 2
DODECYL ALCOHOL**

mf: $C_{12}H_{26}O$ mw: 186.38

PROP: Crystals from EtOH (aq) or liquid above 24°; floral odor. Mp: 24°, bp: 145–148° @ 18 mm, d: 0.830–0.836, refr index: 1.440–1.444, flash p: 260°F, autoign temp: 527°F. Sol in 2 parts of 70% alc, fixed oils, propylene glycol; insol in water, glycerin.

SYNS: ALCOHOL C-12 □ ALFOL 12 □ CACHALOT L-50 □ CO 12 □ CO-1214 □ n-DODECANOL □ 1-DODECANOL □ n-DODECYL ALCOHOL □ DUODECYL ALCOHOL □ DYTOL J-68 □ EPAL 12 □ FEMA No. 2617 □ LAURIC ALCOHOL □ LAURINIC ALCOHOL □ LAURYL 24 □ LAURYL ALCOHOL (FCC) □ n-LAURYL ALCOHOL, PRIMARY □ LOROL □ MA-1214 □ SIPOL L12

TOXICITY DATA with REFERENCE:

skn-hmn 75 mg/3D-I SEV 85DKA8 -,127,77

orl-rat LD50:12,800 mg/kg FCTXAV 11,95,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. A severe human skin irritant. Questionable carcinogen with experimental tumorigenic data. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use dry chemical, CO_2 . When heated to decomposition it emits acrid smoke and irritating fumes.

**DXW000 CAS: 124-22-1 HR: 3
DODECYLAMINE**

mf: $C_{12}H_{27}N$ mw: 185.40

PROP: Oil, amine odor or crystals from C_6H_6 . Fp: 28.3°, vap press: 64 mm @ 170°, mp: 27–28°, bp: 247–249°. Sol in EtOH, Et_2O , C_6H_6 , and $CHCl_3$.

SYNS: ALAMINE 4 □ AMINE BB □ 1-AMINODODECANE □ ARMEEN 12D □ 1-DODECANAMINE (9CI) □ n-DODECYLAMINE □ 1-DODECYLAMINE □ KEMAMINE P690 □ LAURINAMINE □ LAURYLAMINE □ n-LAURYLAMINE □ MONODODECYLAMINE □ NISSAN AMINE BB

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,62,72

eye-rbt 50 µg/24H SEV 28ZPAK -,52,72

eye-rbt 2 mg AEPPAE 219,119,53

orl-rat LD50:1020 mg/kg AEPPAE 219,119,53

orl-mus LD50:1160 mg/kg AEPPAE 219,119,53

ipr-mus LD50:50 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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 NO_x . See also AMINES.

**DXW050 CAS: 2016-56-0 HR: 2
1-DODECYLAMINE ACETATE**

mf: $C_{12}H_{27}N \cdot C_2H_4O_2$ mw: 245.46

SYNS: DODECANAMINE ACETATE □ DODECYLAMINE, ACETATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1750 mg/kg CHTPBA 1,11,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DXW060 CAS: 929-73-7 HR: 2
DODECYLAMINE, HYDROCHLORIDE**

mf: $C_{12}H_{27}N \cdot ClH$ mw: 221.86

SYNS: DODECANAMINE HYDROCHLORIDE □ 1-DODECANAMINE, HYDROCHLORIDE (9CI) □ n-DODECYLAMINE HYDROCHLORIDE □ DODECYLAMMONIUM CHLORIDE □ n-DODECYLAMMONIUM CHLORIDE □ LAURYLAMINE HYDROCHLORIDE □ LAURYLAMMONIUM HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:755 mg/kg PCJOAU 15,383,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DXW200 CAS: 25155-30-0 HR: 3
DODECYL BENZENE SODIUM SULFONATE**

mf: $C_{18}H_{29}O_3S \cdot Na$ mw: 348.52

PROP: White to light-yellow flakes, granules, or powder.

SYNS: AA-9 □ ABESON NAM □ BIO-SOFT D-40 □ CALSOFT F-90 □ CONCO AAS-35 □ CONOCO C-50 □ DETERGENT HD-90 □ DODECYLBENZENESULFONIC ACID SODIUM SALT □ DODECYLBENZENESULPHONATE, SODIUM SALT □ DODECYLBENZENSULFONAN SODNY (CZECH) □ MERCOL 25 □ NACCANOL NR □ NECCANOL SW □ PILOT HD-90 □ PILOT SF-40 □ RICHONATE 1850 □ SANTOMERSE 3 □ SODIUM DODECYLBENZENESULFONATE (DOT) □ SODIUM DODECYLBENZENESULFONATE, dry □ SODIUM LAURYL BENZENESULFONATE □ SOLAR 40 □ SOL SODOWA KWASU LAURYL BENZENESULFONOWEGO (POLISH) □ SULFAPOL □ SULFAPOLU (POLISH) □ SULFRAMIN 85 □ SULFRAMIN 40 FLAKES □ SULFRAMIN 40 GRANULAR □ SULFRAMIN 1238 SLURRY □ p-1',1',4',4'-TETRAMETHYLO-KTYLBENZENSULFONAN SODNY (CZECH) □ ULTRAWET K

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,1063,86

eye-rbt 250 µg/24H SEV 28ZPAK -,195,72

eye-rbt 1% SEV JAPMA8 38,428,49

orl-rat LD50:438 mg/kg TRENAF 24,397,72

orl-mus LD50:1330 mg/kg TRENAF 24,397,72

ivn-mus LD50:105 mg/kg JAPMA8 38,428,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of Na_2O . See also SULFONATES.

DXW400 CAS: 1886-81-3 HR: 2
DODECYL BENZENESULFONATE

mf: $\text{C}_{18}\text{H}_{33}\text{O}_3\text{S}$ mw: 326.54

SYN: BENZENESULFONIC ACID, DODECYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg ARTODN 32,245,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXW600 CAS: 28061-21-4 HR: 1
DODECYLBENZYL CHLORIDE

mf: $\text{C}_{19}\text{H}_{31}\text{Cl}$ mw: 294.95

SYN: CONOCO DBCL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD 34ZIAG -,233,69

skn-rbt LDLo:12,500 mg/kg 34ZIAG -,233,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by skin contact. A skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl^- .

DXW800 CAS: 2783-17-7 HR: 2
DODECYLDIAMINE

mf: $\text{C}_{12}\text{H}_{28}\text{N}_2$ mw: 200.42

PROP: A solid. Fp: 66–67°.

SYNS: 1,12'-DIAMINODECANES □ 1,12'-

DODECAMETHYLENEDIAMINE □ 1,12-DODECANEDIAMINE

□ 1,12'-DODECANEDIAMINE □ 1,12'-DODECYLENEDIAMINE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg MLD JACTDZ 1,92,90

orl-rat LDLo:670 mg/kg JACTDZ 1,92,90

orl-mus LD50:1088 mg/kg GISAAA 43(5),18,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. An eye irritant. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

DXX000 CAS: 538-71-6 HR: 3
DODECYLDIMETHYL(2-

PHENOXYETHYL)AMMONIUM BROMIDE

mf: $\text{C}_{22}\text{H}_{40}\text{NO}\cdot\text{Br}$ mw: 414.54

PROP: A solid. Mp: 112–113°.

SYNS: PHENODODECINIUM BROMIDE □ β-

PHENOXYETHYLDIMETHYLDODECYLAMMONIUM BROMIDE

TOXICITY DATA with REFERENCE:

add-bac-esc 10 μmol/L MUREAV 89,95,81

ipr-rat LD50:40 mg/kg FEPA7 6,307,47

ivn-rat LD50:18 mg/kg FEPA7 6,307,47

ivn-mus LD50:31 mg/kg FEPA7 6,307,47

ivn-rbt LDLo:11 mg/kg FEPA7 6,307,47

ipr-gpg LDLo:10 mg/kg HBTXAC 1,222,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and Br^- . See also BROMIDES.

DXX100 CAS: 56501-30-5 HR: 3
1-DODECYL-1-ETHYLPYPERIDINIUM BROMIDE

mf: $\text{C}_{19}\text{H}_{40}\text{N}\cdot\text{Br}$ mw: 362.51

TOXICITY DATA with REFERENCE:

orl-mus LD50:198 mg/kg PSDTAP 15,331,74

ipr-mus LD50:19,980 μg/kg PSDTAP 15,331,74

ivn-mus LD50:4595 μg/kg PSDTAP 15,331,74

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

DXX200 CAS: 1166-52-5 HR: 3
DODECYL GALLATE

mf: $\text{C}_{19}\text{H}_{33}\text{O}_5$ mw: 338.49

PROP: Sol in EtOH and Me_2CO .

SYNS: DODECYLESTER KYSELINY GALLOVE □ GALLIC ACID, DODECYL ESTER □ GALLIC ACID, LAURYL ESTER □ LAURYL GALLATE □ NIPAGALLIN LA □ PROGALLIN LA

TOXICITY DATA with REFERENCE:

ipr-rat LD50:100 mg/kg FAONAU 38A,22,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXX400 CAS: 2439-10-3 HR: 3
N-DODECYLGUANIDINE ACETATE

mf: $\text{C}_{13}\text{H}_{29}\text{N}_3\cdot\text{C}_2\text{H}_4\text{O}_2$ mw: 287.51

PROP: Crystals. Mp: 136°. Sol in hot water and alc; insol in nonpolar solvs.

SYNS: AC 5223 □ AMERICAN CYANAMID 5223 □ APADODINE □ CARPENE □ CURITAN □ CYPREX □ CYPREX 65W □ N-DODECYLGUANIDINACETAT (GERMAN) □ DODECYLGUANIDINE ACETATE □ DODGUADINE □ DODINE □ DODINE ACETATE □ DODINE, mixture with GLYODIN □ DOGQUADINE □ ENT 16,436 □ EXPERIMENTAL FUNGICIDE 5223 □ LAURYLGUANIDINE ACETATE □ MELPREX □ MILPREX □ SYLLIT □ TSITREX □ VENTUROL □ VONDODINE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV 34ZIAG -,234,69

orl-rat LD50:566 mg/kg WRPCA2 7,135,68

orl-mus LD50:266 mg/kg 85GMAT -,64,82

ihl-mus LC50:129 mg/m³/2H 85GMAT -,64,82

orl-rbt LD50:535 mg/kg 85GMAT -,64,82

skn-rbt LD50:1500 mg/kg 28ZEAL 5,88,76

orl-gpg LD50:176 mg/kg 85GMAT -,64,82

skn-gpg LDLo:2 g/kg 85GMAT -,64,82

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

SAFETY PROFILE: Poison by ingestion and inhalation. Moderately toxic by skin contact. A severe eye irritant. Questionable carcinogen with experimental tumorigenic data. A pesticide. When heated to decomposition it emits very toxic fumes of NO_x .

DXX600 HR: 2
DODECYLGUANIDINE ACETATE with SODIUM NITRITE (3:5)

SYNS: DODINE with SODIUM NITRITE (3:5) □ SODIUM NITRITE with DODECYL GUANIDINE ACETATE (5:3)

TOXICITY DATA with REFERENCE:

orl-mus TDLo:112 mg/kg/6D-I:CAR CALEDQ 5,107,78
 orl-mus TDLo:112 mg/kg (15-21D preg):CAR,TER CALEDQ 5,107,78

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. An experimental teratogen. When heated to decomposition it emits very toxic fumes of NO_x and Na_2O . See also SODIUM NITRITE.

DXX800 CAS: 13590-97-1 HR: 3
DODECYLGUANIDINE HYDROCHLORIDE

mf: $\text{C}_{13}\text{H}_{29}\text{N}_3 \cdot \text{ClH}$ mw: 263.91

TOXICITY DATA with REFERENCE:

unr-mus LDLo:13 mg/kg ATPA2 32,177,38

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXX875 CAS: 56501-36-1 HR: 3
1-DODECYLHEXAHYDRO-1H-AZEPINE-1-OXIDE

mf: $\text{C}_{18}\text{H}_{37}\text{NO}$ mw: 283.56

SYNS: 1-DODECYLHEXAMETHYLENIMINE-N-OXIDE □ HEXAHYDRO-1-DODECYL-1H-AZEPINE-1-OXIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:94 mg/kg PESTD5 16,236,75
 ipr-mus LD50:76 mg/kg PESTD5 16,236,75
 ivn-mus LD50:33 mg/kg PESTD5 16,236,75

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

DXY000 CAS: 9002-92-0 HR: 3
 α -DODECYL- ω -HYDROXYPOLYOXY-ETHYLENE

mf: $(\text{C}_2\text{H}_4\text{O})_n \cdot \text{C}_{12}\text{H}_{26}\text{O}$

SYNS: ALDOSPERSE L 9 □ ATLAS G-2133 □ BASE LP 12 □ BL 9 □ BRIJ 30 □ CHIMPAL AE 3 □ CIMAGEL □ DEHYDOL LS 4 □ DO 9 □ DODECANOL, ETHOXYLATE □ DODECANOL-ETHYLENE OXIDE (9.5 moles) CONDENSATE □ DODECANOL, POLYETHOXYLATED □ DODECYL ALCOHOL, ETHOXYLATED □ DODECYL-POLYAETHYLENOXYD-AETHER (GERMAN) □ DODECYL POLY(OXYETHYLENE)ETHER □ DU PONT WK □ EMULGEN 100 □ ETHAL LA-X □ ETHOSPERSE LA-4 □ ETHOXYLATED LAURYL ALCOHOL □ G 3707 □ G-2130A □ HYDROXYPOLYETHOXYDODECANE □ LA □ LAURETH □ LAUROMACROGOL 400 □ LAURYL ALCOHOL,

ETHOXYLATED □ LAURYL POLYETHYLENE GLYCOL ETHER □ LIPAL 4LA □ LIPOCOL L-4 □ LUBROL 12A9 □ MARLIPAL 1217 □ MCI-C54875 □ NIKKOL BL □ NOIGEN 160 □ OXYETHYLENATED DODECYL ALCOHOL □ PLURAFAC RA 43 □ POLIDOCANOL □ POLYETHYLENE GLYCOL DODECYL ETHER □ POLY(ETHYLENE OXIDE) DODECYL ETHER □ POLYOXYETHYLENE LAURIC ALCOHOL □ POLYOXY-ETHYLENE LAURYL ETHER □ ROKANOL L □ SIMULOL 330 M □ SIPONIC L □ SURFACTANT WK □ TRYCOL LAL SERIES

TOXICITY DATA with REFERENCE:

skn-hmn 6 mg/3D-I MOD 85DKA8 -,127,77
 skn-rbt 500 mg/24H MLD 28ZPAK -,301,72
 skn-rbt 75 mg/24H MLD TXAPA9 7,206,65
 skn-rbt 500 mg/24H MOD TXAPA9 19,276,71
 eye-rbt 100 mg TXAPA9 19,276,71
 eye-rbt 750 μg /24H SEV 28ZPAK -,301,72
 dnd-esc 50 mg/L MUREAV 89,95,81
 orl-rat LD50:1 g/kg FCTXAV 8,125,70
 ipr-rat LD50:125 mg/kg FCTXAV 8,125,70
 orl-mus LD50:1170 mg/kg ARZNAD 7,162,57
 ivn-mus LD50:100 mg/kg TXAPA9 7,206,65
 ivn-rbt LD50:36 mg/kg ARZNAD 7,162,57
 orl-gpg LD50:384 mg/kg ARZNAD 7,162,57
 ivn-gpg LD50:38 mg/kg ARZNAD 7,162,57

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

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. A human and experimental skin irritant. A severe eye irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.

DXY200 CAS: 142-90-5 HR: 1
DODECYL METHACRYLATE

mf: $\text{C}_{16}\text{H}_{30}\text{O}_2$ mw: 254.46

SYNS: AGEFLEX FM 246 □ DODECYL-2-METHYL-2-PROPENOATE □ LAURYLESTER KYSELINYMETHAKRYLOVE (CZECH) □ LAURYL METHACRYLATE □ METHACRYLIC ACID DODECYL ESTER □ METHACRYLIC ACID LAURYL ESTER □ 2-METHYLACRYLIC ACID DODECYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,44,72
 eye-rbt 500 mg/24H MLD 28ZPAK -,44,72
 ipr-rat LD50:12 g/kg AMPMAR 36,58,75
 ipr-mus LD50:25 g/kg JPMSAE 62,778,73

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.

DXY300 CAS: 2530-46-3 HR: 3
4-DODECYLMORPHOLINE-4-OXIDE

mf: $\text{C}_{16}\text{H}_{33}\text{NO}_2$ mw: 271.50

SYN: 4-DODECYLMORPHOLINE-N-OXIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1880 mg/kg PESTD5 16,236,75
 ipr-mus LD50:110 mg/kg PESTD5 16,236,75
 ivn-mus LD50:68 mg/kg PESTD5 16,236,75

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

DXY400 **CAS: 391-11-11** **HR: 3**
N-(2-DODECYLOXYETHYL)-N-METHYL-2-(PYRROLIDINYL)ACETAMIDE HYDROCHLORIDE

mf: C₂₁H₄₂N₂O₂•ClH mw: 391.11

SYN: C 6606

TOXICITY DATA with REFERENCE:

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

scu-mus LD50:400 mg/kg ARZNAD 9,113,59

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

DXY600 **CAS: 27193-86-8** **HR: 2**
DODECYLPHENOL (mixed isomers)

mf: C₁₈H₃₀O mw: 262.48

PROP: Straw-colored liquid; phenolic odor. Bp: 154–168°, flash p: 325°F (OC), d: 0.93 @ 20°/20°, vap d: 9.04.

SYN: T-DET

TOXICITY DATA with REFERENCE:

orl-rat LD50:2140 mg/kg AIHAAP 23,95,62

skn-rbt LD50:5000 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by skin contact. 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 irritating fumes.

DXY700 **CAS: 56501-35-0** **HR: 3**
1-DODECYLPIPERIDINE-N-OXIDE

mf: C₁₇H₃₅NO mw: 269.53

SYN: 1-DODECYLPIPERIDINE-1-OXIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:619 mg/kg PSDTAP 15,331,74

ipr-mus LD50:67,920 µg/kg PSDTAP 15,331,74

ivn-mus LD50:23 mg/kg PESTD5 16,236,75

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

DXY725 **CAS: 104-74-5** **HR: 3**
1-DODECYLPYRIDINIUM CHLORIDE

mf: C₁₇H₃₀N•Cl mw: 283.93

SYNS: C 2 □ DEHYQUART C □ DODECYLPYRIDINIUM CHLORIDE □ N-DODECYLPYRIDINIUM CHLORIDE □ DPC □ ELTREN □ LAURYL PYRIDINIUM CHLORIDE □ 1-LAURYL PYRIDINIUM CHLORIDE □ LPC □ QUATERNARIO LPC □ PYRIDINIUM, 1-DODECYL-, CHLORIDE

TOXICITY DATA with REFERENCE:

unr-mus LD50:119 mg/kg PHARAT 40,273,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DXY750 **CAS: 55257-88-0** **HR: 2**
1-DODECYL-2-PYRROLIDINONE

mf: C₁₆H₃₁NO mw: 253.48

PROP: Bp: 202–205°/11 mm, d: 0.890, Flash p: >230°F.

SYNS: N-DODECYLPYRROLIDINONE □ 2-PYRROLIDINONE, 1-DODECYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV FCTOD7 26,475,88

eye-rbt 100 mg MOD FCTOD7 26,475,88

orl-rat LDLo:5 g/kg FCTOD7 26,475,88

SAFETY PROFILE: Mildly toxic by ingestion. A severe skin and moderate eye irritant. Combustible when exposed to heat and flame. When heated to decomposition it emits toxic fumes of NO_x.

DXZ000 **CAS: 7631-98-3** **HR: 3**
N-DODECYLSARCOSINE SODIUM SALT

mf: C₁₅H₃₀NO₂•Na mw: 279.45

SYN: SODIUM-N-LAURYL SARCOSINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#00171

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

DYA000 **CAS: 15826-16-1** **HR: 2**
DODECYL SODIUM ETHOXYLSULFATE

mf: C₁₄H₃₀O₅S•Na mw: 333.49

SYNS: 2-(DODECYLOXY)ETHANOL HYDROGEN SULFATE SODIUM SALT □ SODIUM LAURYL ETHOXYLSULPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1995 mg/kg FCTXAV 5,763,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of SO_x and Na₂O.

DYA200 **CAS: 765-15-1** **HR: 2**
n-DODECYL THIOCYANATE

mf: C₁₃H₂₅NS mw: 227.45

SYNS: ENT 114 □ LAURYL RHODANATE □ LAURYL THIOCYANATE □ LORO □ LOROL THIOCYANATE □ 1-THIOCYANATODODECANE □ THIOCYANIC ACID, DODECYL ESTER

TOXICITY DATA with REFERENCE:

skn-rat 350 mg/7D-I open MOD JPTLAS 49,363,39

orl-rat LD50:1250 mg/kg 28ZEAL 4,205,69

scu-mus LDLo:20 g/kg JIHTAB 18,310,36

orl-cat LDLo:2000 mg/kg JIHTAB 18,310,36

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also THIOCYANATES.

DYA400 CAS: 5416-74-0 HR: 3**(DODECYLTHIO)PHENYLMERCURY**mf: $C_{18}H_{30}HgS$ mw: 479.13**PROP:** IDLH 10 mg/m³ (as Hg).**SYN:** DODECYL PHENYLMERCURY SULFIDE**CONSENSUS REPORTS:** Mercury and its compounds are on the Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m³ (skin)**SAFETY PROFILE:** Probably a poison. When heated to decomposition it emits very toxic fumes of Hg and SO_x. See also MERCURY COMPOUNDS.**DYA600 CAS: 1399-80-0 HR: 3
DODECYL-p-TOLYL TRIMETHYL AMMONIUM CHLORIDE****PROP:** Aqueous preparation containing approximately 40% methyl dodecylbenzyl trimethyl ammonium chloride, and 10% methyl dodecylxylene bis(trimethyl ammonium chloride).**SYNS:** ALKYL(C₉₋₁₅)TOLYL METHYLTRIMETHYL AMMONIUM CHLORIDE □ HYAMINE 2389 □ METHYL DODECYL BENZYL AMMONIUM CHLORIDE**TOXICITY DATA with REFERENCE:**

skn-man 50 mg/2D MLD PSTGAW 20,16,53

eye-rbt 100 µg SEV PSTGAW 20,16,53

orl-rat LD50:389 mg/kg PCOC** -592,66

ipr-rat LD50:10 mg/kg AEHA** 5176T6-66/67

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻.**DYA800 CAS: 4484-72-4 HR: 3
DODECYLTRICHLOROSILANE****DOT:** UN 1771mf: $C_{12}H_{25}Cl_3Si$ mw: 303.81**PROP:** Colorless to yellow liquid. Bp: 152–153° @ 3 mm, d: 1.026 @ 25°/25°.**SYN:** TRICHLORODODECYLSILANE**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** A poison. A corrosive irritant to the eyes, skin, and mucous membranes. Readily hydrolyzed by moisture with the production of hydrochloric acid. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLOROSILANES.**DYA810 CAS: 1119-94-4 HR: 3
DODECYLTRIMETHYLAMMONIUM BROMIDE**mf: $C_{15}H_{34}N^+Br^-$ mw: 308.41**SYN:** AMMONIUM, DODECYLTRIMETHYL-, BROMIDE**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:6800 µg/kg APTOA6 47,17,80

ivn-mus LD50:5200 µg/kg APTOA6 47,17,80

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 Br⁻.**DYA850 HR: 2
DODICIN HYDROCHLORIDE**mf: $C_{18}H_{39}N_3O_2 \cdot ClH$ mw: 366.06**SYNS:** DODECYLBIS(AMINOETHYL)GLYCINE HYDROCHLORIDE □ LEBON 15 HYDROCHLORIDE □ TEGO 51**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:534 mg/kg KSRNAM 12,1821,78

scu-rat LD50:5262 mg/kg KSRNAM 12,1821,78

ipr-mus LD50:590 mg/kg KSRNAM 12,1821,78

scu-mus LD50:2145 mg/kg KSRNAM 12,1821,78

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**DYA875 HR: 3
DOG LAUREL****PROP:** Deciduous or evergreen shrubs with alternating leaves and clusters of white or pink flowers. They grow wild in the coastal states from Virginia to Florida, Louisiana, Tennessee, and California.**SYNS:** DOG HOBBLE □ FETTER BUSH □ LEUCOTHOE (VARIOUS SPECIES) □ PEPPER BUSH □ SWEET BELLS □ SWITCH IVY □ WHITE OSTER**SAFETY PROFILE:** The leaves and nectar contain poisonous grayano toxins (andromedotoxins). Ingestion of these plant parts results in immediate pain in the mouth and may be followed several hours later by vomiting, diarrhea, headache, impaired vision, irregular heartbeat, severe low blood pressure, coma, convulsions, and death.**DYB000 CAS: 482-49-5 HR: 2
DOISYNOLIC ACID**mf: $C_{18}H_{24}O_3$ mw: 288.42**SYNS:** ACIDO DOISYNOLICO (SPANISH) □ 1-ETHYL-7-HYDROXY-2-METHYL-1,2,3,4,4a,9,10,10a-OCTAHYDROPHEN-ANTHRENE-2-CARBOXYLIC ACID □ 1-ETHYL-1,2,3,4,4a,9,10,10a-OCTAHYDRO-7-HYDROXY-2-METHYL-2-PHENANTHRENE-CARBOXYLIC ACID □ 3-HYDROXY-16,7-SECOESTRA-1,3,5(10)-TRIEN-17-OIC ACID**TOXICITY DATA with REFERENCE:**

orl-gpg TDLo:72 mg/kg/12W-I:ETA,REP RSABAC 25,215,49

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acid smoke and irritating fumes.**DYB100 CAS: 4570-11-0 HR: 3
β-DOLABRIN****PROP:** A minor component of *Thujopsis dolabrata* SIEB. et ZUCC. var. *hondai* MAKINOmf: $C_{10}H_{12}O_2$ mw: 164.20

SYN: 2,4,6-CYCLOHEPTATRIEN-1-ONE, 2-HYDROXY-4-(1-METHYLETHENYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:232 mg/kg BIPBU* 24,607,2001

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

**DYB250 CAS: 4956-15-4 HR: 3
DOLANTIN-N-OXIDE HYDROCHLORIDE**

mf: $C_{15}H_{21}NO_3 \cdot ClH$ mw: 299.83

SYN: 1-METHYL-4-PHENYLISONIPECOTIC ACID ETHYL ESTER-1-OXIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2 g/kg AITEAT 15,290,67

ipr-mus LD50:575 mg/kg AITEAT 15,290,67

scu-mus LD50:975 mg/kg AITEAT 15,290,67

ivn-mus LD50:300 mg/kg AITEAT 15,290,67

SAFETY PROFILE: Poison by intravenous.

Moderately toxic by ingestion, subcutaneous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

**DYB300 CAS: 96081-07-1 HR: 2
DOLOCONEURASE**

TOXICITY DATA with REFERENCE:

orl-rat LD50:3681 mg/kg ACTTDZ 10,365,84

ivn-rat LD50:1301 mg/kg ACTTDZ 10,365,84

ims-rat LD50:3088 mg/kg ACTTDZ 10,365,84

orl-mus LD50:3273 mg/kg ACTTDZ 10,365,84

ivn-mus LD50:1213 mg/kg ACTTDZ 10,365,84

ims-mus LD50:2926 mg/kg ACTTDZ 10,365,84

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, and intramuscular routes.

**DYB400 CAS: 17140-78-2 HR: 3
DOLOXENE**

mf: $C_{10}H_8O_3S \cdot C_{22}H_{29}NO_2$ mw: 547.76

SYNS: DARVON-N □ 4-(DIMETHYLAMINO)-3-METHYL-1,2-DIPHENYL-2-BUTANOL PROPIONATE-2-

NAPHTHALENESULFONATE □ PROPOXYPHENE N □

PROPOXYPHENE-2-NAPHTHALENESULFONATE □

PROPOXYPHENE NAPSYLATE

TOXICITY DATA with REFERENCE:

orl-man TDLo:129 mg/kg:BAH JTCTDW 23,347,85

orl-rat LD50:647 mg/kg TXAPA9 19,445,71

orl-mus LD50:915 mg/kg TXAPA9 19,445,71

orl-rbt LDLo:183 mg/kg TXAPA9 19,445,71

SAFETY PROFILE: Poison by ingestion. Human systemic effects by ingestion: somnolence, vascular changes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x . See also SULFONATES.

**DYB600 CAS: 303-69-5 HR: 3
DOMINAL**

mf: $C_{16}H_{19}N_3S$ mw: 285.44

PROP: A liquid. Bp: 217–219° @ 0.7 mm.

SYNS: D 206 □ DIMETHYLAMINO-N-PROPYL-

THIOPHENYLPYRIDYLAMINE □ PROTHIPENDYL

TOXICITY DATA with REFERENCE:

ivn-rat LD50:25 mg/kg THERAP 18,373,63

orl-mus LD50:415 mg/kg ARZNAD 8,489,58

ipr-mus LD50:155 mg/kg ARZNAD 8,489,58

scu-mus LD50:102 mg/kg AIPTAK 149,374,64

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

**DYB800 CAS: 1225-65-6 HR: 3
DOMINAL HYDROCHLORIDE**

mf: $C_{16}H_{19}N_3S \cdot ClH$ mw: 321.90

SYNS: 10-(3-DIMETHYLAMINOPROPYL)-1-AZAPHENOTHIAZINE HYDROCHLORIDE □ ((4-DIMETHYLAMINO-PROPYLPYRIDO (3,2b) BENZOTHAZINE)) HYDROCHLORIDE □ PROTHIPENDYL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:610 mg/kg 27ZQAG -,292,72

ipr-rat LD50:115 mg/kg 27ZQAG -,292,72

scu-rat LD50:1323 mg/kg 27ZQAG -,292,72

ivn-rat LD50:110 mg/kg 27ZQAG -,292,72

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

**DYB825 CAS: 14277-97-5 HR: 3
(-)-DOMOIC ACID**

mf: $C_{15}H_{21}NO_6$ mw: 311.37

SYNS: DOMOIC ACID □ L-DOMOIC ACID □ 3-PYRROLIDINEACETIC ACID,2-CARBOXY-4-(5-CARBOXY-1-METHYL-1,3-HEXADIENYL)-,(2S-(2- α ,3- β ,4- β (1Z,3E,5S*)))-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:3600 μ g/kg TOXIA6 28,501,1990

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

**DYB875 CAS: 57808-66-9 HR: 3
DOMPERIDONE**

mf: $C_{22}H_{24}ClN_5O_2$ mw: 425.96

PROP: Crystals from DMF/water. Mp: 242.5°.

SYNS: 5-CHLORO-1-(1-(3-(2-OXO-1-BENZIMIDAZOLINYL)PROPYL)-4-PIPERIDYL)-2-BENZIMIDAZOLINONE □ KW-5338 □ MOTILIUM

TOXICITY DATA with REFERENCE:

orl-inf TDLo:1170 μ g/kg/1D-I:EYE JOPDAB 108,630,86

ivn-hmn TDLo:714 μ g/kg:CNS BMJOAE 288,1728,84

ivn-hmn LDLo:429 μ g/kg:CNS BMJOAE 288,1728,84

ivn-wmn TDLo:1 mg/kg:CVS BMJOAE 289,1579,84

ivn-wmn TDLo:600 μ g/kg/1D:CVS LANCAO 2,385,85

ims-man TDLo:200 μ g/kg:CNS,EYE LANCAO 2,1259,80

rec-wmn TDLo:7200 μ g/kg/30H-I:EYE JOPDAB 105,852,84

orl-rat LD50:5243 mg/kg YACHDS 8,3991,80

ipr-rat LD50:61,200 μ g/kg IYKEDH 13,1128,82

ivn-rat LD50:41,700 μ g/kg YACHDS 8,3991,80

ivn-mus LD50:46,500 μ g/kg YACHDS 8,3991,80

ivn-dog LD50:42,700 μ g/kg AIPTAK 244,130,80

ivn-gpg LD50:42,900 μ g/kg AIPTAK 244,130,80

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Human systemic effects by intravenous and intramuscular routes: eye effects, convulsions, muscle spasms and cardiac arrhythmias.

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

DYC000 CAS: 87-52-5 HR: 3
DONAXINE

mf: $\text{C}_{11}\text{H}_{14}\text{N}_2$ mw: 174.27

PROP: A solid. Mp: 138–139°.

SYNS: β -DIMETHYLAMINOMETHYLINDOLE \square 3-(DIMETHYLAMINOMETHYL)INDOLE \square GRAMIN \square GRAMINE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:250 mg/kg NCNSA6 5,11,53

ipr-mus LD50:122 mg/kg PSYPAG 16,385,70

ivn-mus LD50:46 mg/kg JPETAB 105,130,52

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DYC200 CAS: 5796-14-5 HR: 3
I-DOPA HYDROCHLORIDE

mf: $\text{C}_9\text{H}_{11}\text{NO}_4 \cdot \text{ClH}$ mw: 233.67

SYNS: 1-3-(3,4-DIHYDROXYPHENYL)ALANINE \square 3-HYDROXY-L-TYROSINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1460 mg/kg TXAPA9 28,1,74

ivn-mus LD50:527 mg/kg TXAPA9 28,1,74

orl-rbt LDLo:950 mg/kg TXAPA9 28,1,74

ivn-rbt LD50:144 mg/kg TXAPA9 28,1,74

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Used to treat Parkinson's disease. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

DYC300 CAS: 7101-51-1 HR: 2
I-DOPA METHYL ESTER

mf: $\text{C}_{10}\text{H}_{13}\text{NO}_4$ mw: 211.24

SYN: 1-3-(3,4-DIHYDROXYPHENYL)ALANINE METHYL ESTER

TOXICITY DATA with REFERENCE:

dni-hmn:oth 3300 nmol/L CNREA8 40,1414,80

ipr-mus LD50:1000 mg/kg CTRRDO 63,991,79

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

DYC400 CAS: 51-61-6 HR: 3
DOPAMINE

mf: $\text{C}_8\text{H}_{11}\text{NO}_2$ mw: 153.20

SYNS: 4-(2-AMINOETHYL)PYROCATECHOL \square 3-HYDROXYTYRAMINE

TOXICITY DATA with REFERENCE:

dnd-esc 10 mg/L MUREAV 124,9,83

dnd-hmn:fbr 50 mg/L MUREAV 137,17,84

ipr-rat LD50:163 mg/kg TXAPA9 88,433,87

ipr-mus LD50:950 mg/kg OYYAA2 8,835,74

ivn-mus LD50:59 mg/kg OYYAA2 8,835,74

icv-mus LD50:74 mg/kg TYKNAQ 27,131,80

ivn-dog LD50:79 mg/kg ARZNAD 28,2208,78

SAFETY PROFILE: Poison by intravenous, intracervical, and intraperitoneal routes. Experimental teratogenic and reproductive effects. Human mutation data reported. A neurotransmitter. An adrenergic agent. When heated to decomposition it emits toxic fumes of NO_x .

DYC600 CAS: 62-31-7 HR: 3
DOPAMINE HYDROCHLORIDE

mf: $\text{C}_8\text{H}_{11}\text{NO}_2 \cdot \text{ClH}$ mw: 189.66

PROP: A solid. Mp: 240–241° (decomp).

SYNS: 4-(2-AMINOETHYL)-1,2-BENZENEDIOL HYDROCHLORIDE \square 4-(2-AMINOETHYL)PYROCATECHOL HYDROCHLORIDE \square DOPAMINE CHLORIDE \square m-HYDROXYTYRAMINE HYDROCHLORIDE \square 3-HYDROXYTYRAMINE HYDROCHLORIDE \square INTROPIN

TOXICITY DATA with REFERENCE:

msc-mus:lym 93,800 $\mu\text{g/L}$ MUREAV 124,9,83

orl-rat LD50:2859 mg/kg KSRNAM 8,2311,74

ipr-rat LD50:597 mg/kg KSRNAM 8,2311,74

scu-rat LD50:647 mg/kg KSRNAM 8,2311,74

ivn-rat LD50:4800 $\mu\text{g/kg}$ KSRNAM 3,2311,74

orl-mus LD50:4361 mg/kg KSRNAM 8,2311,74

ipr-mus LD50:914 mg/kg KSRNAM 8,2311,74

scu-mus LD50:1366 mg/kg KSRNAM 8,2311,74

ivn-mus LD50:156 mg/kg KSRNAM 8,2311,74

ivn-rbt LD50:90 mg/kg KSRNAM 3,2311,74

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Experimental teratogenic and reproductive effects. Mutation data reported. An antihypotensive. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also DOPAMINE.

DYC700 CAS: 520-09-2 HR: 3
DOPAN

mf: $\text{C}_9\text{H}_{13}\text{Cl}_2\text{N}_3\text{O}_2$ mw: 266.15

PROP: Snow-white crystals. Decomp @ 178–179°.

Practically insol in cold water, acetone, and benzene; sltly sol in alc.

SYNS: 5-(BIS(2-CHLOROETHYL)AMINO)-6-METHYLURACIL \square 5-(BIS(2-CLOROETIL)-AMINO)-6-METILURACILE (ITALIAN) \square CHLOROETHYLAMINOURACIL \square 2,6-DIHYDROXY-4-METHYL-5-BIS(2-CHLOROETHYL)AMINOPYRIMIDINE \square DOPANE \square ELDERFIELD PYRIMIDINE MUSTARD \square ENT 50,698 \square 4-METHYL-5-(BIS(β -CHLOROETHYL)AMINO)URACIL \square 6-METHYL-5-(BIS(2-CHLOROETHYL)AMINO)URACIL

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 2500 $\mu\text{g/L}$ TSITAQ 15,1505,73

dni-mus:ast 2 mg/L NEOLA4 22,105,75

oms-mus:ast 2 mg/L NEOLA4 22,105,75

cyt-mky:kdy 100 mg/L TSITAQ 15,1505,73

orl-rat LD50:2400 $\mu\text{g/kg}$ BCFAAI 101,630,62

ipr-mus LDLo:3 mg/kg FATOAO 34,83,71

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

DYC800 CAS: 77-21-4 HR: 3
DORIDEN

mf: $C_{13}H_{15}NO_2$ mw: 217.29

PROP: dl-Form: Crystals from ether or from ethyl acetate + pet ether. Mp: 84°. Freely sol in ethyl acetate, acetone, ether, chloroform; sol in ethanol, methanol. Practically insol in water. d-Form: Crystals. Mp: 102.5–103°, refr index: (α) (20/D) +176° (methanol). l-Form: Crystals. Mp: 102–103°, refr index: (α) (20/D) –181° (methanol).

SYNS: ALFIMID □ CC 11511 □ DORIDEN-SED □ ELRODORM □ 3-ETHYL-3-PHENYL-2,6-DIKETOPIPERIDINE □ 3-ETHYL-3-PHENYL-2,6-DIOXOPIPERIDINE □ α -ETHYL- α -PHENYL-GLUTARIMIDE □ 2-ETHYL-2-PHENYLGLUTARIMIDE □ 3-ETHYL-3-PHENYL-2,6-PIPERIDINEDIONE □ GIMID □ GLIMID □ GLUTATHIMID □ GLUTETHIMID □ GLUTETHIM-IDE □ GLUTETIMIDE □ NOXYRON □ 3-PHENYL-3-ETHYL-2,6-DIKETOPIPERIDINE □ 3-PHENYL-3-ETHYL-2,6-DIOXOPIPERIDINE □ α -PHENYL- α -ETHYLGLUTARIC ACID IMIDE □ 2-PHENYL-2-ETHYLGLUTARIC ACID IMIDE □ α -PHENYL- α -ETHYLGLUTARIMIDE □ SARODORMIN

TOXICITY DATA with REFERENCE:

orl-chd TDLo:25 mg/kg;CNS AJDCAI 130,507,76
orl-hmn TDLo:171 mg/kg JAMAAP 214,1704,70
unr-man LDLo:147 mg/kg 85DCAI 2,73,70
orl-rat LD50:600 mg/kg 27ZQAG -,233,72
orl-mus LD50:360 mg/kg 27ZQAG -,233,72
ipr-mus LD50:208 mg/kg APPHAX 32,243,75
orl-dog LD50:500 mg/kg SMWOAS 85,305,55
orl-mky LDLo:300 mg/kg TXAPA9 29,75,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: pupillary dilation, ataxia, somnolence, coma, and blood pressure depression. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x . Caution: May be habit forming. This is a controlled substance (depressant) listed in the U.S. Code of Federal Regulations, Title 21 Part 1308.13 (1985).

DYC875 CAS: 113-53-1 HR: 2
DOSULEPIN

mf: $C_{19}H_{21}NS$ mw: 295.47

PROP: Crystals from EtOH/Et₂O. Mp: 226–227°, bp: 171–172° @ 0.05 mm.

SYNS: 3-DIBENZO(b,e)THIEPIN-11(6H)-YLIDENE-N,N-DIMETHYL-1-PROPAMINE □ 11-(3-DIMETHYLAMINOPROPYLIDENE)-6,11-DIHYDRODIBENZO(b,e)THIEPIN □ N,N-DIMETHYLDIBENZO(b,e)THIEPIN- $\Delta^{11(6H)}$ -7-PROPYLAMINE □ DOTHIEPIN □ IZ 914 □ PROTHIADEN □ PROTHIADEN SPOFA

TOXICITY DATA with REFERENCE:

cyt-mus-ipr 100 mg/kg ACNSAX 15,114,73
dlt-mus-ipr 150 mg/kg ACNSAX 15,114,73
orl-inf TDLo:100 mg/kg;CNS,CVS BMJOAE 288,1800,84
orl-wmn TDLo:4500 μ g/kg;CNS BMJOAE 2,97,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Human systemic effects by ingestion: central nervous system including coma, and cardiac arrhythmia. Mutation data reported. Experimental

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

DYC900 CAS: 544-85-4 HR: 3
DOTRIACONTANE

mf: $C_{32}H_{66}$ mw: 450.98

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#00741

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating vapors.

DYD200 CAS: 35944-83-3 HR: 3
DOWCO 133

mf: $C_{10}H_{11}Cl_3NO_2PS$ mw: 346.60

SYN: N-ISOPROPYLPHOSPHORAMIDOTHIOIC ACID-O-(2,4,5-TRICHLOROPHENYL)ESTER

TOXICITY DATA with REFERENCE:

orl-rat LDLo:31 mg/kg TXAPA9 21,315,72
orl-bwd LD50:7 mg/kg TXAPA9 21,315,72

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

DYD400 CAS: 2213-84-5 HR: 3
DOWCO 159

mf: $C_9H_{11}Cl_3NO_3P$ mw: 318.53

SYN: ETHYLPHOSPHORAMIDIC ACID, METHYL-(2,4,5-TRICHLOROPHENYL) ESTER

TOXICITY DATA with REFERENCE:

orl-bwd LD50:56 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and PO_x . See also ESTERS.

DYD600 CAS: 35944-82-2 HR: 3
DOWCO 160

mf: $C_8H_9Cl_3NO_3P$ mw: 304.50

SYN: ETHYLPHOSPHORAMIDIC ACID-(2,4,5-TRICHLOROPHENYL) ESTER

TOXICITY DATA with REFERENCE:

orl-bwd LD50:5600 μ g/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and PO_x . See also ESTERS.

DYD800 CAS: 35944-84-4 HR: 3
DOWCO 177

mf: $C_4H_2NO_2PS$ mw: 169.20

SYN: N-METHYL-PHOSPHORAMIDOTHIOIC ACID-O-ISOPROPYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg TXAPA9 21,315,72
orl-bwd LD50:100 mg/kg TXAPA9 21,315,72

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

DYE200 CAS: 4492-96-0 HR: 3

DOWCO 183mf: C₁₃H₂₀ClNO₃P mw: 305.77**SYNS:** 2-CHLORO-4-(1,1-DIMETHYLPROPYL)PHENYL METHYL METHYLPHOSPHORAMIDATE □ ENT 27,192 □ METHYLPHOSPHORAMIDIC-2-CHLORO-4-(1,1-DIMETHYLPROPYL)PHENYL METHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:500 mg/kg ARSIM* 20,9,66

scu-gpg LDLo:100 mg/kg JEENAI 61,1261,68

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DYE400 CAS: 53908-27-3 HR: 3 DOWFUME EB-5****PROP:** Contains ethylene dichloride (30%), carbon tetrachloride (63%), and ethylene dibromide (7%) (AMIHAB 13,1,56).**TOXICITY DATA with REFERENCE:**

orl-rat LD50:660 mg/kg AMIHAB 13,1,56

ihl-rat LCLo:920 ppm/4H JAFCAU 2,1318,54

orl-rbt LD50:290 mg/kg JAFCAU 2,1318,54

skn-rbt LDLo:500 mg/kg JAFCAU 2,1318,54

orl-gpg LD50:280 mg/kg JAFCAU 2,1318,54

orl-ckn LD50:780 mg/kg JAFCAU 2,1318,54

SAFETY PROFILE: Poison by ingestion. Mildly toxic by skin contact and inhalation. When heated to decomposition it emits very toxic fumes of Cl⁻ and Br⁻. See also components as listed.**DYE409 CAS: 1668-19-5 HR: 3 DOXEPIN**mf: C₁₉H₂₁NO mw: 279.41**PROP:** Oil. Bp: 154–157° @ 0.03 mm.**SYNS:** 11-(3-DIMETHYLAMINOPROPYLIDENE)-6,11-DIHYDRODIBENZ(b,e)OXIPIN □ N,N-DIMETHYL-DIBENZ(b,e)OXEPIN-Δ^{11(6H)}-γ-PROPYLAMINE**TOXICITY DATA with REFERENCE:**

orl-hmn LDLo:60 mg/kg CTOXAO 10,327,77

orl-rat LD50:147 mg/kg ARZNAD 15,863,65

ipr-rat LD50:182 mg/kg ARZNAD 15,863,65

ivn-rat LD50:16 mg/kg ARZNAD 15,863,65

orl-mus LD50:135 mg/kg ARZNAD 15,863,65

ipr-mus LD50:79 mg/kg ARZNAD 15,863,65

ivn-mus LD50:26 mg/kg ARZNAD 15,863,65

ivn-rbt LD50:11 mg/kg ARZNAD 15,863,65

SAFETY PROFILE: Human poison by ingestion. Experimental poison by ingestion, intravenous, and intraperitoneal routes. A sedative and hypnotic used as an antianxiety agent. When heated to decomposition it emits toxic fumes of NO_x.**DYE415 CAS: 3094-09-5 HR: 2 DOXIFLURIDINE**mf: C₉H₁₁FN₂O₅ mw: 246.22**PROP:** Needles. Mp: 192–193°.**SYNS:** 5'-DEOXY-5-FLUOROURIDINE □ 5'-DFUR □ RO 21-9738**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:1100 mg/kg (7-17D preg):REP YACHDS 13(Suppl 2),481,85

orl-rat TDLo:550 mg/kg (7-17D preg):TER YACHDS 13(Suppl 2),481,85

orl-rat LD50:3390 mg/kg YACHDS 13(Suppl 2),209,85

orl-mus LDLo:5 g/kg YACHDS 13(Suppl 2),209,85

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻ and NO_x.**DYE425 CAS: 564-25-0 HR: 2 DOXYCYCLINE**mf: C₂₂H₂₄N₂O₈ mw: 444.48**SYNS:** α-6-DEOXY-5-HYDROXYTETRACYCLINE □ α-6-DEOXYOXYTETRACYCLINE □ 6-α-DEOXY-5-OXYTETRACYCLINE □ DOXICICLINA (ITALIAN) □ GS-3065 □ 5-HYDROXY-α-6-DEOXYTETRACYCLINE □ LIVIATIN □ VIBRAMYCIN**TOXICITY DATA with REFERENCE:**

dni-hmn:lym 3750 µg/L BCPHBM 16,127,83

ipr-rat LD50:378 mg/kg THERAP 23,575,68

ivn-rat LD50:228 mg/kg PBPSDY 2,305,79

orl-mus LD50:1870 mg/kg GICTAL 17,276,70

ipr-mus LD50:410 mg/kg GICTAL 17,276,70

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also TETRACYCLINE.**DYE500 CAS: 469-21-6 HR: 3 DOXYLAMINE**mf: C₁₇H₂₂N₂O mw: 270.41**PROP:** A liquid. Bp: 137–141° @ 0.5 mm. Sol in acids.**SYNS:** 2-(α-(2-(DIMETHYLAMINO)ETHOXY)-α-METHYLBENZYL)PYRIDINE □ 2-DIMETHYLAMINOETHOXYPHENYLMETHYL-2-PICOLINE □ N,N-DIMETHYL-2-(1-PHENYL-1-(2-PYRIDINYL)ETHOXY)-ETHANAMINE (9CI) □ NCI C60684 □ PHENYL-2-PYRIDYLMETHYL-β-N,N-DIMETHYLAMINOETHYL ETHER**TOXICITY DATA with REFERENCE:**

scu-rat LD50:440 mg/kg DPIRDU 2(5),17,82

orl-mus LD50:470 mg/kg DPIRDU 2(5),17,82

scu-mus LD50:460 mg/kg DPIRDU 2(5),17,82

ivn-mus LD50:62 mg/kg DPIRDU 2(5),17,82

orl-rbt LD50:250 mg/kg DPIRDU 2(5),17,82

ivn-rbt LD50:49 mg/kg DPIRDU 2(5),17,82

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x.**DYE550 CAS: 54622-43-4 HR: 2 DPF**mf: C₇H₂₂N₂O₁₃P₄ mw: 466.19**SYNS:** DPF-1 □ ((2-HYDROXY-1,3-PROPANEDIYL)BIS-(NITRILOBIS(METHYLENE)))TETRAKISPHOSPHONIC ACID □ (2-HYDROXY-1,3-PROPYLENEDIAMINE-N,N,N¹,N¹-TETRAMETHYLENEPHOSPHORIC ACID □ 2-OXY-1,3-PROPYLENEDIAMINE-N,N,N¹,N¹-TETRAMETHYLENEPHOSPHONIC ACID**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4300 mg/kg GTPZAB 29(4),45,85

orl-mus LD50:2800 mg/kg GISAAA 49(5),81,84

orl-gpg LD50:3800 mg/kg GTPZAB 29(4),45,85

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

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of PO_x and NO_x . See also NITRILES.

**DYE600 CAS: 523-87-5 HR: 3
DRAMAMINE**

mf: $\text{C}_{17}\text{H}_{21}\text{NO} \cdot \text{C}_7\text{H}_7\text{ClN}_4\text{O}_2$ mw: 470.02

PROP: A solid. Mp: 102–107°.

SYNS: AMOSYT □ ANAUTINE □ ANDRAMINE □ AVIOMARIN □ o-BENZHYDRYLDIMETHYLAMINOETHANOL-8-CHLOROTHEOPHYLLINATE □ 2-(BENZHYDRYLOXY)-N,N-DIMETHYLETHYLAMINE with 8-CHLOROTHEOPHYLLINE □ CHLORANAUTINE □ DIAMARIN □ DIMENHYDRINATE □ DIPHENHYDRINATE □ DRAMAMIN □ DRAMARIN □ DRAMYL □ DROMYL □ ELDODRAM □ ETHYLAMINE-2-(DIPHENYLMETHOXY)-N,N-DIMETHYL, compound with 8-CHLOROTHEOPHYLLINE (1:1) □ GRAVINOL □ GRAVOL □ MENHYDRINATE □ NCI-C60639 □ NEO-NAVIGAN □ NOVAMIN □ NOVAMINE □ PERMITAL □ REISE-ENGLETEN □ SUPREMAL □ TEODRAMIN □ TRAVELIN □ TRAVELMIN □ VOMEX A □ XAMAMINA

TOXICITY DATA with REFERENCE:

mno-sat 333 µg/plate ENMUDM 9(Suppl 9),1,87
orl-wmn LDLo:100 mg/kg:CNS,CVS,BAH AEMED3 22,1481,93
orl-man TDLo:11,400 µg/kg:CNS AJPSAO 128,1012,72
orl-rat LD50:1320 mg/kg NIIRDN 6,346,82
ivn-rat LD50:200 mg/kg CLDND* 6,346,82
ipr-mus LD50:149 mg/kg NIIRDN 6,346,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. A drug much used for motion sickness. Human systemic effects by ingestion: arrhythmias, convulsions, distorted perceptions, hallucinations, intracranial pressure increase. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- . See also AMINES.

**DYE650 CAS: 10163-83-4 HR: 3
DREVOGENIN A**

mf: $\text{C}_{28}\text{H}_{42}\text{O}_7$ mw: 490.70

SYNS: PREGN-5-EN-20-ONE, 11-(ACETYLOXY)-3,14-DIHYDROXY-12-(3-METHYL-1-OXOBUTOXY)-, (3-β,11-α,12-β,14-β)- □ 14-β-PREGN-5-EN-20-ONE, 3-β,11-α,12-β,14-TETRAHYDROXY-, 11-ACETATE 12-ISOVALERATE

TOXICITY DATA with REFERENCE:

ivn-cat LD :>20 mg/kg JMCMAR 13,1029,1970

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

**DYE700 CAS: 526-18-1 HR: 3
DRIOL**

mf: $\text{C}_{13}\text{H}_{11}\text{NO}_3$ mw: 229.25

PROP: Crystals or light sensitive purplish-gray powder. Mp: 179°. Practically insol in cold water and acetic acid;

sltly sol in warm water, benzene, and toluene; freely sol in methanol, ethanol, ether, and acetone.

SYNS: AUXOBIL □ BICHOL □ BILENE □ BILOCOL □ DRIBAZIL □ DRIOL-LABAZ □ ENIDRAN □ HYDROXYPHENYL SALICYLAMIDE □ N-(p-HYDROXYPHENYL)SALICYLAMIDE □ N-(4-HYDROXYPHENYL)SALICYLAMIDE □ p-HYDROXY-PHENYLSALICYLAMIDE □ p'-HYDROXYSALICYLANILIDE □ 4'-HYDROXYSALICYLANILIDE □ KANOCHOL □ L 1718 □ OSALMID □ OSALMIDE □ OXAPHENAMID □ OXAPHEN-AMIDE □ PHPS □ SALMIDOCHOL □ SARYUURIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:6702 mg/kg NIIRDN 6,159,82
ipr-rat LD50:1621 mg/kg NIIRDN 6,159,82
orl-mus LD50:1050 mg/kg JJPAAZ 22,235,72
ipr-mus LD50:517 mg/kg NIIRDN 6,159,82
scu-mus LD50:1900 mg/kg AIPTAK 116,154,58
ivn-mus LD50:180 mg/kg CSLNX* NX#03234

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

**DYF000 CAS: 125-72-4 HR: 3
I-DROMORAN TARTRATE**

mf: $\text{C}_{17}\text{H}_{23}\text{NO} \cdot \text{C}_4\text{H}_6\text{O}_6$ mw: 407.51

SYNS: 1-3-HYDROXY-N-METHYLMORPHINAN BITARTRATE □ 1-3-HYDROXY-N-METHYLMORPHINAN TARTRATE □ LEMORAN □ LEVORPHAN TARTRATE □ LEVORPHANOL TARTRATE □ RO 1-5431/7

TOXICITY DATA with REFERENCE:

oms-rat-ipr 2500 µg/kg RCOCB8 3,105,72
ivn-dog LD50:46 mg/kg AIPTAK 149,571,64
orl-rat LD50:150 mg/kg JPETAB 109,189,53
ipr-rat LD50:48 mg/kg TXCYAC 14,217,79
scu-rat LD50:110 mg/kg JPETAB 109,189,53
ivn-rat LD50:27 mg/kg AIPTAK 108,171,57
orl-mus LD50:285 mg/kg JPETAB 109,189,53
ipr-mus LD50:92 mg/kg JJPAAZ 11,101,62
scu-mus LD50:187 mg/kg JPETAB 109,189,53
ivn-mus LD50:32 mg/kg AIPTAK 105,221,56
ivn-rbt LD50:20 mg/kg AIPTAK 109,171,57

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

**DYF200 CAS: 548-73-2 HR: 3
DROPERIDOL**

mf: $\text{C}_{22}\text{H}_{22}\text{FN}_3\text{O}_2$ mw: 379.47

PROP: Crystals. Mp: 145–146.5°.

SYNS: DEHIDROBENZPERIDOL □ DEHYDROBENZPERIDOL □ DEIDROBENZPERIDOLO □ DHBP □ DIHIDROBENZPERIDOL □ DRIDOL □ DROLEPTAN □ 1-(1-(3-(p-FLUOROBENZOYL)PROPYL)-1,2,3,6-TETRAHYDRO-4-PYRIDYL)-2-BENZIMIDAZOLINONE □ 1-(1-(4-(p-FLUOROPHENYL)-4-OXOBUTYL)-1,2,3,6-TETRAHYDRO-4-PYRIDYL)-2-BENZIMIDAZOLINONE □ HALKAN □ INAPPIN □ INAPSIN □ INNOVAN □ INNOVAR □ INOPSIN □ INOVAL □ LEPTANAL □ LEPTOFEN □ MCN-JR-4749 □ PROPERIDOL □ R 4749 □ SINTOSIAN □ THALAMONAL □ VETKALM

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:223 µg/kg/12D-I:CNS ARZNAD 22,93,72

orl-rat LDLo:700 mg/kg TXAPA9 18,185,71
 scu-rat LD50:20,520 mg/kg NIIRDN 6,440,82
 ivn-rat LD50:30 mg/kg 27ZQAG -,187,72
 ipr-mus LD50:80 mg/kg EJMCA5 13,387,78
 scu-mus LD50:125 mg/kg TXAPA9 6,37,64
 ivn-mus LD50:20 mg/kg 27ZQAG -,187,72

SAFETY PROFILE: Poison by intravenous, subcutaneous, and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects by ingestion: wakefulness, tremors, and muscle weakness. An antipsychotic agent. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.

**DYF400 CAS: 1403-47-0 HR: D
 DUAZOMYCIN**

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects.

**DYF450 CAS: 62-90-8 HR: 2
 DURABOLIN**

mf: C₂₇H₃₄O₃ mw: 406.61

PROP: Crystals. Mp: 95–96°.

SYNS: ACTIVIN □ DURABOL □ FENOBOLIN □ 17-β-HYDROXY-ESTR-4-ENE-3-ONE-3-PHENYLPROPIONATE □ 17-β-HYDROXY-ESTRA-4-EN-3-ONE-17-PHENYLPROPIONATE □ NANDROLIN □ NANDROLONE PHENPROPIONATE □ NANDROLONE PHENYLPROPIONATE □ NEROBIL □ NEROBIOLIL □ NORANDROLONE PHENYLPROPIONATE □ NORANDROSTENOLONE PHENYLPROPIONATE □ 19-NORTESTOSTERONE PHENYLPROPIONATE □ NPP □ NTPP □ 19NTPP □ (17-β)-17-(1-OXO-3-PHENYLPROPOXY)-ESTR-4-EN-3-ONE (9CI) □ PHENOBOLIN □ 17-β-PHENYLPROPIONYL-OXY-4-ESTREN-3-ONE □ STRABOLENE □ SUPERANABOLON

TOXICITY DATA with REFERENCE:

ipr-rat LD50:595 mg/kg PCJOAU 20,143,86

SAFETY PROFILE: Moderately toxic by intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and fumes.

**DYF500 CAS: 68937-41-7 HR: 1
 DURAD MP280^R HYDRAULIC FLUID**

SYNS: DURAN MP280^R □ PHENOL, ISOPROPYLATED, PHOSPHATE (3:1)

TOXICITY DATA with REFERENCE:

orl-rat LD:>5 g/kg JACTDZ 1,209,92
 ihl-rat LC:>6350 mg/m³/4H JACTDZ 1,209,92
 ipr-rat LD:>5 g/kg JACTDZ 1,209,92
 skn-rbt LD:>2 g/kg JACTDZ 1,209,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**DYF700 CAS: 50370-12-2 HR: D
 DURICEF**

mf: C₁₆H₁₇N₃O₅S mw: 363.42

PROP: Crystals. Mp: 197° (decomp).

SYNS: BIDOCEF □ BL-S 578 □ CDX □ CEFADROXIL □ CEPHADROXIL □ ORACEFAL □ S-578

SAFETY PROFILE: Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

**DYF759 CAS: 152-62-5 HR: D
 DYDROGESTERONE**

mf: C₂₁H₂₈O₂ mw: 312.49

PROP: Crystals from acetone and hexane. Mp: 169–170°.

SYNS: 6-DEHYDRO-RETRO-PROGESTERONE □ DIPHASTON □ DUFASTON □ DUPHASTON □ DUVARON □ GESTATRON □ GYNOREST □ HYDROGESTRONE □ ISOPREGNENONE □ 9-β,10-α-PREGNA-4,6-DIENE-3,20-DIONE □ (9-β,10-α)-PREGNA-4,6-DIENE-3,20-DIONE (9CI) □ PRODEL □ RETRO-6-DEHYDROPROGESTERONE □ RETRONE □ Δ⁶-RETROPROGESTERONE □ TEROLUT

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects.

**DYF800 HR: D
 DYE C**

PROP: A red impurity contained in commercial trypan blue (TJADAB 3,371,70).

SAFETY PROFILE: An experimental teratogen.

**DYG000 HR: 3
 DYNAMITE**

DOT: UN 0081

PROP: Major constituent is nitroglycerin (85ESA3 8,739,68).

SYN: GELATINE DYNAMITE

DOT CLASSIFICATION: 1.1D; Label: EXPLOSIVE, BLASTING TYPE A

SAFETY PROFILE: A high explosive used industrially in construction and mining. The name generally refers to a mixture containing as its principal explosive ingredient either glyceryl trinitrate (nitroglycerin) or ammonium nitrate, suitably sensitized. It does not apply to black blasting powders, chlorate powders, and other deflagrating mixtures. While this material is a powerful explosive when detonated by shock or heat, it is only moderately hazardous. It can react vigorously with oxidizing materials. Dangerous; shock and heat will cause it to explode; when heated to decomposition it emits highly toxic fumes of NO_x and CO, etc. See also NITROGLYCERIN; EXPLOSIVES, HIGH; and NITRATES.

An ordinary blasting cap or an electric blasting cap is used for detonating a charge of dynamite. The various classes and grades of dynamite are made from mixtures composed of an explosive compound or a mixture of explosive compounds, a “dope,” and an antiacid. If any of the explosive ingredients are in a liquid state they are referred to as the “explosive oil,” which is usually composed of glyceryl trinitrate (nitroglycerin) and about 25–30% of ethylene glycol dinitrate. The latter compound depresses the freezing point of the nitroglycerin and renders the dynamite low-freezing. Other compounds may also be used as freezing point depressants. The explosive oil is absorbed by carbonaceous materials that have entirely replaced kieselguhr (diatomaceous earth), formerly used exclusively as the absorbent or “dope” in dynamites.

This type of “dope” does not enter into the explosive reaction. Wood pulp is now most commonly used as the absorber, either alone or mixed in suitable proportions with flour, starch, etc.

The absorbents may be mixed with an oxidizer such as sodium nitrate, in which case an active “dope” is formed. For neutralizing any acid that may be present, about 1% of an antacid (calcium carbonate or zinc oxide) is added to the mixture. The explosive oil is mixed into the “dope.” The strength of a kieselguhr dynamite, when detonated, is derived only from the explosive oil, since kieselguhr is inert. A mixture of this kind is known as a straight dynamite. On the other hand, an active “dope” (an admixture of carbonaceous absorbents with an oxidizer) furnishes explosive strength in addition to that derived from the explosive ingredients.

By replacing a part of the explosive oil of a straight dynamite with ammonium nitrate, so that the latter becomes the principal explosive ingredient, a mixture known as an ammonia dynamite is obtained.

When the explosive oil is gelatinized the explosive is known as a gelatin or an ammonia gelatin dynamite.

Blasting gelatin is a gelatinized mass of an elastic nature obtained by incorporating nitrocotton with an explosive oil into which is mixed about 1% of antacid.

Dynamites may be in bulk form (bag powder) or in cartridge form, the most common size being 1.25 inch in diameter and 8 inches long, although, for holes of small diameter, cartridges as small as 7/8 inch in diameter are also used. In large-diameter well-drill holes for quarry blasting, cartridge diameters up to 10 inches and lengths up to 30 inches may be used. These upper limits or 50 pounds in weight of each cartridge are imposed by the DOT Regulations, and the maximum length of 30 inches applies to all cartridge diameters between 4 and 10 inches.

An integral part of a stick of dynamite is the paraffined paper wrapper that not only holds the ingredients together but enters into the explosive reaction.

The wrapper also affords some measure of protection from moderate exposure to dampness. For blasting in wet operations, a gelatinized dynamite that resists the absorption of water is used.

The strength of straight dynamite is graded by its explosive oil content (% by weight), while for any other class of dynamite, the strength is determined experimentally in comparison with the various grades of the straight dynamites. For example, a 40% straight dynamite is one that contains 40% of explosive oil; a 40%-strength ammonia dynamite, as determined by tests, equals a 40% straight dynamite in strength. In other words a 40%-strength ammonia dynamite will release the same energy as an equivalent weight of a 40% straight dynamite.

DYG400 DYSPROSIUM

HR: 3

aw: Dy aw: 162.5

PROP: Bright, lustrous, silvery metal. Mp: 1409°, bp: 2335°, d: 8.540 @ 25°.

SAFETY PROFILE: It may exhibit an anticoagulant effect. Flammable; an active reducing agent. Reacts

violently in air and with halogens. See also RARE EARTHS.

DYG600 CAS: 10025-74-8 HR: 3 DYSPROSIUM CHLORIDE

mf: Cl₃Dy mw: 268.85

PROP: Shiny, yellow crystals or hygroscopic white crystals. D: 3.67 @ 0°/4°, mp: 718°, bp: 1500°. A sol salt. Sol in water and alc.

TOXICITY DATA with REFERENCE:

orl-mus LD50:5443 mg/kg EQSSDX 1,1,75

ipr-mus LD50:343 mg/kg AEHLAU 5,437,62

ipr-gpg LD50:196 mg/kg AEHLAU 5,437,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DYG800 CAS: 13074-91-4 HR: 3 DYSPROSIUM CITRATE

mf: C₆H₅O₇•Dy mw: 351.61

SYN: CITRIC ACID, DYSPROSIUM(3+) salt (1:1)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:113 mg/kg AEHLAU 5,437,62

ipr-gpg LD50:54 mg/kg AEHLAU 5,437,62

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. See also RARE EARTHS.

DYH000 CAS: 35725-30-5 HR: 3 DYSPROSIUM(III) NITRATE HEXAHYDRATE (1:3:6)

mf: N₃O₉•Dy•6H₂O mw: 456.65

SYN: NITRIC ACID DYSPROSIUM(3+) SALT HEXAHYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3100 mg/kg TXAPA9 5,750,63

ipr-rat LD50:295 mg/kg TXAPA9 5,750,63

ipr-mus LD50:310 mg/kg TXAPA9 5,750,63

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

DYH100 CAS: 10143-38-1 HR: 3 DYSPROSIUM TRINITRATE

mf: Dy(NO₃)₃ mw: 348.60

PROP: Hygroscopic yellow solid. Sol in H₂O and EtOH.

SYN: DYSPROSIUM NITRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2386 mg/kg EQSSDX 1,1,75

ipr-rat LD50:227 mg/kg EQSSDX 1,1,75

ipr-mus LD50:238 mg/kg EQSSDX 1,1,75

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