

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

DLV900 CAS: 2346-00-1 HR: 2
4,5-DIHYDRO-2-METHYLTHIAZOLE

mf: C₄H₇NS mw: 101.18

SYNS: METHYL-2 Δ-2 THIAZOLINE □ THIAZOLE, 4,5-DIHYDRO-2-METHYL- □ 2-THIAZOLINE, 2-METHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:600 mg/kg EJMCAS 20,16,85

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.

DLW600 CAS: 466-99-9 HR: 3
DIHYDROMORPHINONE

mf: C₁₇H₁₉NO₃ mw: 285.37

PROP: A solid. Mp: 266–267°.

SYNS: DIMO □ HYDROMORPHONE □ HYMORPHAN □ LAUDICON □ PARAMORPHAN

TOXICITY DATA with REFERENCE:

orl-hmn LDLo:1428 µg/kg 34ZIAG -,223,69

scu-mus LD50:84 mg/kg JPETAB 52,468,34

ivn-mus LD50:104 mg/kg YKKZAJ 84,268,64

SAFETY PROFILE: A deadly human poison by ingestion. An experimental poison by ingestion and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x. See also (–)MORPHINE.

DLX000 CAS: 18479-58-8 HR: 2
DIHYDROMYRCENOL

mf: C₁₀H₂₀O mw: 156.30

SYN: 2,6-DIMETHYL-7-OCTEN-2-OL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,525,74

orl-rat LD50:3600 mg/kg FCTXAV 12,525,74

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.

DLX100 CAS: 88969-41-9 HR: 2
DIHYDROMYRCENYL ACETATE

mf: C₁₂H₂₂O₂ mw: 198.34

SYNS: 3-METHYLENE-7-METHYLOCTAN-7-YL ACETATE □ 2-METHYL-6-METHYLENE-2-OCTANOL ACETATE (ESTER)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 21,847,83

eye-rbt 10% MLD FCTOD7 21,847,83

skn-rbt LD50:2800 mg/kg FCTOD7 21,847,83

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

DLX200 CAS: 529-34-0 HR: 2
3,4-DIHYDRO-1(2H)-NAPHTHALENONE

mf: C₁₀H₁₀O mw: 146.20

PROP: A liquid. D: 1.099 @ 15.6°/4°, mp: 8°.

SYNS: α-TETRALONE □ 1-TETRALONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:810 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DLX225 CAS: 141363-22-6 HR: D
2-((3,4-DIHYDRO-1(2H)-NAPHTHALENYL-IDENE)METHYL)-1-METHYL-5-NITRO-1H-IMIDAZOLE

mf: C₁₅H₁₅N₃O₂ mw: 269.33

SYN: 1H-IMIDAZOLE, 2-((3,4-DIHYDRO-1(2H)-NAPHTHALENYLIDENE)METHYL)-1-METHYL-5-NITRO-

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 pmol/plate 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.

DLX300 CAS: 31785-60-1 HR: 2
2,3-DIHYDRO-2-(1-NAPHTHYL)-4(1H)-QUINAZOLINONE

mf: C₁₈H₁₄N₂O mw: 274.34

SYNS: 2,3-DIHYDRO-2-(1-NAPHTHALENYL)-4(1H)-QUINAZOLINONE □ NSC-145669 □ U-29,409

TOXICITY DATA with REFERENCE:

ipr-mus LD50:998 mg/kg NCISP* JAN86

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DLX400 CAS: 124-90-3 HR: 3
DIHYDRONE HYDROCHLORIDE

mf: C₁₈H₂₁NO₄•ClH mw: 351.86

PROP: Long rods from H₂O. Mp: 270–272° (decomp).

SYNS: DIHYDROOXYCODEINONE HYDROCHLORIDE □ DIHYDROXYCODEINONE HYDROCHLORIDE □ DINARKON □ EUBINE □ EUCODAL □ EUKODAL □ EUTAGEN □ 14-HYDROXYDIHYDROCODEINONE HYDROCHLORIDE □ OXIKON □ OXYCODONE HYDROCHLORIDE □ OXYCODON HYDROCHLORIDE □ OXYCON □ OXYKODAL □ OXYKON □ PANCODINE □ PERCODAN HYDROCHLORIDE □ STUPENONE □ TECODIN □ TECODINE □ TEKODIN □ THECODIN □ THECODINE □ THEKODIN

TOXICITY DATA with REFERENCE:

scu-mus LDLo:350 µg/kg AEPPAE 194,296,40

ivn-cat LDLo:2500 µg/kg AEPPAE 194,296,40

scu-rbt LDLo:80 mg/kg HBAMAK 4,1289,35

ivn-rbt LDLo:45 mg/kg HBAMAK 4,1289,35

scu-frg LDLo:500 mg/kg HBAMAK 4,1289,35

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also (–)MORPHINE.

DLX800 CAS: 17247-77-7 HR: 2

1,2-DIHYDRO-2-(5'-NITROFURYL)-4-HYDROXY-QUINAZOLINE-3-OXIDEmf: C₁₂H₉N₃O₅ mw: 275.24**SYN:** 1,2-DIHYDRO-2-(5'-NITROFURYL)-4-HYDROXY-CHINAZOLIN-3-OXID (GERMAN)**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DLY000 CAS: 146-22-5 HR: 3
1,3-DIHYDRO-7-NITRO-5-PHENYL-2H-1,4-BENZODIAZEPIN-2-ONE**mf: C₁₅H₁₁N₃O₃ mw: 281.29**PROP:** Yellow crystals from EtOH. Mp: 224–226°.**SYNS:** BENZALIN □ CALSMIN □ EATAN □ EPIBENZALIN □ EPINELBON □ EUNOCTIN □ HIPNAX □ HIPSAL □ LA 1 □ MOGADAN □ NELBON □ NEOZEPAM □ NEUCLONIC □ NITRADOS □ NITRAZEPAM □ NITRENPAK □ 7-NITRO-5-PHENYL-2,3-DIHYDRO-1H-1,4-BENZODIAZEPIN-2-ONE □ NSC-58775 □ PAXISYN □ PELSON □ RADEDORM □ RELACT □ RO 4-5360 □ RO 5-3059 □ SOMNASED □ SOMNIBEL □ SOMNITE □ SONEBON □ SONNOLIN □ SUREM □ UNISOMNIA**TOXICITY DATA with REFERENCE:**sln-dmg-ori 2 mg/9D SOGEBZ 11,718,75
spm-mus-ori 300 mg/kg/15D-C CYTBAI 36,45,83
ori-rat LD50:825 mg/kg TXAPAA 18,185,71
ipr-rat LD50:733 mg/kg JMCMA 20,952,77
ori-mus LD50:550 mg/kg VINIT* #3206-79
ipr-mus LD50:275 mg/kg 27ZQAG -,165,72
ivn-mus LD50:130 mg/kg CSLNX* NX#01434
ivn-rbt LD50:520 mg/kg 27ZQAG -,165,72**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. An anticonvulsant and hypnotic agent. When heated to decomposition it emits toxic fumes of NO_x. See also DIAZEPAM.**DLY100 CAS: 105828-05-5 HR: 3
4,5-DIHYDRO-N-NITRO-1-(3-PYRIDINYLMETHYL)-1H-IMIDAZOL-2-AMINE**mf: C₉H₁₁N₅O₂ mw: 221.25**TOXICITY DATA with REFERENCE:**

ipr-mus LD >50 mg/kg PCBPBS 58,77,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.**DLY200 CAS: 33389-33-2 HR: 2
1,2-DIHYDRO-2-(5-NITRO-2-THIENYL)QUINAZOLIN-4(3H)-ONE**mf: C₁₂H₉N₃O₃S mw: 275.30**SYN:** 1,2-DIHYDRO-2-(5-NITRO-2-THIENYL)-4(3H)-QUINAZOLINONE**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µg/plate CNREA8 35,3611,75

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**DLY300 CAS: 24393-94-0 HR: 3
DIHYDRONIVALENOL**mf: C₁₅H₂₂O₇ mw: 314.37**SYNS:** TRICHOTHECAN-8-ONE, 12,13-EPOXY-3-α,4-β,7-α,15-TETRAHYDROXY- □ TRICHOTHECAN-8-ONE, 12,13-EPOXY-3,4,7,15-TETRAHYDROXY-, (3-α,4-β,7-α)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:15 mg/kg 41KEAL-,108,1978

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**DLY400 CAS: 5413-60-5 HR: 1
DIHYDRONORDICYCLOPENTADIENYL ACETATE**mf: C₁₂H₁₆O₂ mw: 192.28**PROP:** Oil with anise odor. Bp: 79–80° @ 3 mm.**SYNS:** 3a,4,5,6,7,7a-HEXAHYDRO-4,7-METHANO-1H-INDEN-6-OL ACETATE □ TRICYCLODECEN-4-YL-8-ACETATE □ VERDYL ACETATE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 14,889,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DLY700 CAS: 3686-43-9 HR: 3
3,6-DIHYDRO-1,2,2H-OXAZINE**mf: C₄H₇NO mw: 85.11**PROP:** A liquid. Bp: 47–48° @ 8 mm.**SAFETY PROFILE:** Reaction with nitric acid forms an explosive product. When heated to decomposition it emits toxic fumes of NO_x.**DLY800 CAS: 7374-66-5 HR: 2
5,13-DIHYDRO-5-OXOBENZO(e)(2)BENZO-PYRANO(4,3-b)INDOLE**mf: C₁₉H₁₁NO₂ mw: 285.31**SYNS:** 5-OXO-5H-BENZO(E)ISOCHROMENO(4,3-b)INDOLE □ 5-OXO-5,13-DIHYDROBENZO(E)(2)BENZOPYRANO(4,3-b)INDOLE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DLY850 CAS: 559-11-5 HR: 3
1,1-DIHYDROPERFLUOROHEPTYL ACRYLATE**mf: C₁₀H₅F₁₃O₂ mw: 404.15**SYNS:** ACRYLIC ACID,2,2,3,3,4,4,5,5,6,6,7,7-TRIDECAFLUORO-HEPTYL ESTER □ 2-PROPENOIC ACID, 2,2,3,3,4,4,5,5,6,6,7,7-TRIDECAFLUOROHEPTYL ESTER(9CI)**TOXICITY DATA with REFERENCE:**

ori-mus LD50:17 mg/kg GISAAA 47(8),90,1982

SAFETY PROFILE: A poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of F⁻.

DLY900 CAS: 138495-42-8 HR: 1
2,3-DIHYDROPERFLUOROPENTANE

mf: C₅H₂F₁₀ mw: 252.07

SYNS: 1,1,1,2,2,3,4,5,5,5-DECAFLUOROPENTANE □ HFC-4310MEE □ PENTANE, 1,1,1,2,2,3,4,5,5,5-DECAFLUORO- □ R 4310 □ VERTREL XF

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg ATDAEI/15(Suppl 1),S110,1996

ihl-rat LC :>4000 ppm/2H NTIS** OTS0558634

skn-rbt LD50:>5 g/kg ATDAEI/15(Suppl 1),S110,1996

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion, inhalation, and skin contact. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of F⁻.

DLZ000 CAS: 56179-83-0 HR: 2
1,2-DIHYDROPHENANTHRENE

mf: C₁₄H₁₂ mw: 180.26

PROP: A liquid. Bp: 110–115° @ 0.3 mm.

TOXICITY DATA with REFERENCE:

mno-sat 25 nmol/plate CNREA8 39,4069,79

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

DMA000 CAS: 28622-66-4 HR: 2
1,2-DIHYDRO-1,2-PHENANTHRENE DIOL

mf: C₁₄H₁₂O₂ mw: 212.26

SYN: PHENANTHRENE-1,2-DIHYDRODIOL

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate CNREA8 49,20,89

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

DMA400 CAS: 18264-88-5 HR: 2
N-(9,10-DIHYDRO-2-PHENANTHRYL)-ACETAMIDE

mf: C₁₆H₁₅NO mw: 237.32

SYN: 2-ACETYLAMINO-9,10-DIHYDROPHENANTHRENE

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

DMA500 CAS: 301644-21-3 HR: 3
4-((4,5-DIHYDRO-3-(PHENYLAMINO)-2H-BENZ(G)INDAZOL-2-YL)ACETYL)-MORPHOLINE

mf: C₂₃H₂₄N₄O₂ mw: 388.47

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

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

DMA550 CAS: 301644-20-2 HR: 3
4,5-DIHYDRO-3-(PHENYLAMINO)-N-(PHENYL-METHYL)-2H-BENZ(G)INDAZOLE-2-ACETAMIDE

mf: C₂₆H₂₄N₄O mw: 408.50

TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 µg/kg FRMCE8 55,383,2000

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

DMA600 CAS: 139149-55-6 HR: D
N-((3S)-2,3-DIHYDRO-6-(PHENYLMETHOXY)-3-BENZOFURANYL)-N-HYDROXYUREA

mf: C₁₆H₁₆N₂O₄ mw: 300.34

SYN: SB 202235

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

DMB000 CAS: 21820-82-6 HR: 3
5-(2-(3,6-DIHYDRO-4-PHENYL-1(2H)-PYRIDYL)-ETHYL)-3-METHYL-2-OXAZOL IDINONE

mf: C₁₇H₂₂N₂O₂ mw: 286.41

SYN: AHR-1680

TOXICITY DATA with REFERENCE:

orl-rat LD50:340 mg/kg 27ZQAG -,200,72

ipr-rat LD50:140 mg/kg 27ZQAG -,200,72

ivn-rat LD50:71 mg/kg 27ZQAG -,200,72

orl-mus LD50:349 mg/kg 27ZQAG -,200,72

ipr-mus LD50:180 mg/kg 27ZQAG -,200,72

ivn-mus LD50:91 mg/kg 27ZQAG -,200,72

orl-dog LD50:300 mg/kg 27ZQAG -,200,72

ipr-gpg LD50:189 mg/kg 27ZQAG -,200,72

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

DMB200 CAS: 66731-42-8 HR: 2
2,3-DIHYDROPHORBOL MYRISTATE ACETATE

mf: C₃₆H₅₈O₈ mw: 618.94

SYNS: 2,3-DIHYDROPHORBOL ACETATE MYRISTATE □ DPMA

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

DMB300 CAS: 17617-46-8 HR: 3
DIHYDROPICTOTOXININ

mf: C₁₅H₁₈O₆ mw: 294.33

SYNS: α-DIHYDROPICTOTOXININ □ PICTOTOXININ, α-DIHYDRO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:14 mg/kg JMCMA8 11,729,1968

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

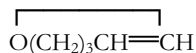
DMB330 CAS: 18957-53-4 HR: 3

3,4-DIHYDRO-1-PROPYL-4,4,6-TRIMETHYL-2(1H)-PYRIMIDINETHIONEmf: C₁₀H₁₈N₂S mw: 198.36**SYN:** 2(1H)-PYRIMIDINETHIONE, 3,4-DIHYDRO-1-PROPYL-4,4,6-TRIMETHYL-**TOXICITY DATA with REFERENCE:**

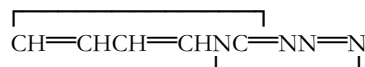
ipr-mus LDLo:300 mg/kg FATOAO 41,494,1978

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DMC000 CAS: 68-94-0 HR: 2
1,7-DIHYDRO-6H-PURIN-6-ONE**mf: C₅H₄N₄O mw: 136.13**PROP:** Needles.**SYNS:** HYPOXANTHINE □ 9H-PURIN-6-OL □ PURIN-6(3H)-ONE □ 6(1H)-PURINONE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:750 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.**DMC200 CAS: 110-87-2 HR: 3
DIHYDROPYRAN**mf: C₅H₈O mw: 84.13**PROP:** Colorless, mobile liquid; ethereal odor. Bp: 86–87°, flash p: 0°F, d: 0.922 @ 19°/15, vap d: 2.90.**SYNS:** Δ²-DIHYDROPYRAN □ 3,4-DIHYDROPYRAN □ 2H-3,4-DIHYDROPYRAN**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A flammable and 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, CO₂, or dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DMC600 CAS: 123-33-1 HR: 2
1,2-DIHYDROPYRIDAZINE-3,6-DIONE**mf: C₄H₄N₂O₂ mw: 112.10**PROP:** Crystals. Mp: >300°. Sol in water and alc.**SYNS:** BURTOLIN □ CHEMFORM □ DE-CUT □ DE-SPROUT □ 1,2-DIHYDRO-3,6-PYRAZINEDIONE □ 1,2-DIHYDRO-3,6-PYRIDAZINEDIONE □ DREXEL-SUPER P □ ENT 18,870 □ FAIR 30 □ FAIR PS □ HYDRAZID KYSELINY MALEINOVE □ 6-HYDROXY-3(2H)-PYRIDAZINONE □ KMH □ MAH □ MAINTAIN 3 □ MALAZIDE □ MALEIC ACID HYDRAZIDE □ MALEIC HYDRAZIDE □ MALEIC HYDRAZIDE 30% □ MALEIC HYDRAZINE □ MALEIN 30 □ MALEINSAEUREHYDRAZID □ N,N-MALEOYLHYDRAZINE □ MALZID □ MH □ MH 30 □ MH-40 □ MH 36 BAYER □ RCRA WASTE NUMBER U148 □ REGULOX □ REGULOX W □ REGULOX 50 W □ RETARD □ ROYAL MH-30 □ ROYAL SLO-GRO □ SLO-GRO □ SPROUT/OFF □ SPROUT-STOP □ STUNTMAN □ SUCKER-STUFF □ SUPER-DE-SPROUT □ SUPER SPROUT STOP □ SUPER

SUCKER-STUFF □ SUPER SUCKER-STUFF HC □ 1,2,3,6-TETRAHYDRO-3,6-DIOXOPYRIDAZINE □ VONDALHYDE □ VONDRAV

TOXICITY DATA with REFERENCE:cyt-grh-ori 5 mg CYTOAN 37,345,72
mma-sat 50 μL/plate MUREAV 66,247,79
dns-esc 30 μmol/L ZKKOBW 92,177,78
sln-dmg-ori 4000 ppm MUREAV 55,15,78
sln-dmg-par 4000 ppm NATUAS 207,439,65
cyt-mus-ipr 5000 ppm CISC7 20,28,76
ori-rat LD50:3800 mg/kg WRPCA2 9,119,70**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 4,173,74. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. Can cause chronic liver damage and acute central nervous system effects. When heated to decomposition it emits highly toxic fumes of NO_x. See also HYDRAZINE.**DMC800 HR: 3
1,2-DIHYDROPYRIDO(2,1,e)TETRAZOLE**mf: C₅H₄N₄ mw: 120.12**PROP:** Explodes on touching with a hot rod.**SAFETY PROFILE:** A friction- and heat-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x.**DMD000 CAS: 480-18-2 HR: 2
2,3-DIHYDROQUERCETIN**mf: C₁₅H₁₂O₇ mw: 304.27**SYNS:** CATECHIN HYDRATE □ DIHYDROQUERCETIN □ (+)-DIHYDROQUERCETIN □ (2R,3R)-DIHYDROQUERCETIN □ 2,3-DIHYDRO-3,3',4',5',7-PENTAHYDROXYFLAVONE □ 2-(3,4-DIHYDROXYPHENYL)-2,3-DIHYDRO-3,5,7-TRIHYDROXY-4H-1-BENZOPYRAN-4-ONE □ (2R-trans)-2-(3,4-DIHYDROXY-PHENYL)-2,3-DIHYDRO-3,5,7-TRIHYDROXY-4H-1-BENZO-PYRAN-4-ONE □ DISTYLIN □ 3,3',4',5,7-PENTAHYDROXY-FLAVANONE □ TAXIFOLIN □ TAXIFOLIOL**TOXICITY DATA with REFERENCE:**mmo-sat 100 μg/plate ENMUDM 3,401,81
mma-sat 1660 nmol/plate MUREAV 54,297,78
cyt-ham:fbr 1 g/L/48H MUREAV 48,337,77
ipr-rat LD50:1200 mg/kg JPPAAZ 21,377,71
ipr-mus LD50:985 mg/kg RPTOAN 38,213,75**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DMD100 CAS: 51077-50-0 HR: D
7,8-DIHYDRORETINOIC ACID**mf: C₂₀H₃₀O₂ mw: 302.50**SYNS:** trans-3,7-DIMETHYL-9-(2,6,6-TRIMETHYL-1-CYCLOHEXEN-1-YL)-2,4,6-NONATRIEN OIC ACID □ RETINOIC ACID, 7,8-DIHYDRO-

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

DMD200 CAS: 102338-88-5 HR: 3
4a,5-DIHYDRO-RIBOFLAVIN-5'-PHOSPHATE
SODIUM SALT

mf: $C_{17}H_{22}N_4O_6P \cdot xNa$ mw: 570.33

TOXICITY DATA with REFERENCE:

scu-mus LD50:375 mg/kg CMTRAG 2,96,61

ivn-mus LD50:420 mg/kg CMTRAG 2,96,61

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x , PO_x , and Na_2O .

DMD600 CAS: 94-58-6 HR: 3
DIHYDROSAFROLE

mf: $C_{10}H_{12}O_2$ mw: 164.22

PROP: An oily liquid. Bp: 228°, d: 1.0695 @ 20°.

SYNS: 1,2-(METHYLENEDIOXY)-4-PROPYLBENZENE □ 5-PROPYL-1,3-BENZODIOXOLE □ 4-PROPYL-1,2-METHYLENEDIOXYBENZENE □ RCRA WASTE NUMBER U090

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,527,74

orl-rat LD50:2260 mg/kg TXAPA9 7,18,65

orl-mus LD50:3700 mg/kg TXAPA9 7,18,65

ipr-mus LD50:2830 mg/kg COREAF 250,1148,60

CONSENSUS REPORTS: IARC Cancer Review:

Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 10,231,76; Animal Limited Evidence IMEMDT 1,169,72. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Moderately toxic by ingestion and intraperitoneal routes. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DME000 CAS: 128-46-1 HR: 3
DIHYDROSTREPTOMYCIN

mf: $C_{21}H_{41}N_7O_{12}$ mw: 583.69

SYNS: DHMS □ DST

TOXICITY DATA with REFERENCE:

cyt-mus-par 100 mg/kg NULSAK 2,161,71

ivn-rat LD50:200 mg/kg JOBAAY 53,205,47

ipr-mus LD50:533 mg/kg UPJOH* 2(6),-71

scu-rat LD50:1100 mg/kg ARZNAD 12,597,62

ivn-mus LD50:200 mg/kg 85GDA2 1,96,80

ipr-mus LD50:533 mg/kg UPJOH* 2(6),-71

scu-mus LD50:1180 mg/kg ACHTA6 11,2,63

ivn-mus TDLo:200 mg/kg 85GDA2 1,96,80

ims-mus LD50:350 mg/kg AIMDAP 119,493,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intravenous and intramuscular routes. Moderately toxic by subcutaneous and intraperitoneal routes. Human teratogenic effects by unspecified route: developmental abnormalities of the eye and ear. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A derivative

of streptomycin; has anesthetic properties. When heated to decomposition it emits toxic fumes of NO_x .

DME200 CAS: 1425-61-2 HR: 3
DIHYDROSTREPTOMYCIN SULFATE

mf: $C_{21}H_{41}N_7O_{12} \cdot 7H_2O_4S$ mw: 1270.25

PROP: White or practically white powder, odorless or slt odor, freely sol in water, very sltly sol in alcohol, practically insol in chloroform.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1380 mg/kg RPOBAR 2,285,70

scu-mus LD50:761 mg/kg ANTBAL 18,444,73

ivn-mus LD50:137 mg/kg ANTBAL 18,444,73

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. An additive permitted in the feed and drinking water of animals, and/or for the treatment of food-producing animals. When heated to decomposition it emits toxic fumes of NO_x . See also DIHYDROSTREPTOMYCIN.

DME300 CAS: 67-96-9 HR: 3
DIHYDROTACHYSTEROL

mf: $C_{28}H_{46}O$ mw: 398.74

PROP: Needles from 90% methanol. Crystals from MeOH. Mp: 131–132° (125–1°). Insol in water. Easily sol in org solvs.

SYNS: ANTITANIL □ ANTI-TETANY SUBSTANCE 10 □ A.T. 10 □ CALCAMINE □ DHT₂ □ DICHYSTROLUM □ DIHYDRO-TACHYSTEROL₂ □ DYGRATYL □ HYTAKEROL □ PARTEROL □ (E-β,5E,7E,10-α,22E)-9,10-SECOERGOSTA-5,7,22-TRIEN-3-OL (9CI)

TOXICITY DATA with REFERENCE:

orl-mus LD50:288 mg/kg NIIRDN 6,330,82

ipr-mus LD50:104 mg/kg NIIRDN 6,330,82

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

DME400 CAS: 80-25-1 HR: 1
DIHYDROTERPINYL ACETATE

mf: $C_{12}H_{22}O_2$ mw: 198.34

SYNS: ACETIC ACID DIHYDROTERPINYL ESTER □ ACETIC ACID-p-MENTHAN-8-OL ESTER □ p-MENTHAN-8-OL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 12,807,74

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.

DME500 CAS: 521-18-6 HR: D
4-DIHYDROTESTOSTERONE

mf: $C_{19}H_{30}O_2$ mw: 290.49

PROP: Crystals from ethyl acetate + hexane; also from Me_2CO /pet ether. Mp: 181°. Sublimes 135° @ 0.01 mm. Sol in acetone, ether, alc, ethyl acetate. Practically insol in water.

SYNS: ANABOLEEN □ ANABOLEX □ ANAPROTIN □ ANDRACTIM □ ANDROLONE □ ANDROSTANOLONE □ 5- α -ANDROSTAN-17- β -OL-3-ONE □ CRISTERONA MB □ DHT □ DIHYDROTESTOSTERONE □ 5- α -DIHYDROTESTOSTERONE □ 4,5- α -DIHYDROTESTOSTERONE □ 17- β -HYDROXY-5- α -ANDROSTAN-3-ONE □ (5- α ,17- β)-17-HYDROXY-ANDROSTAN-3-ONE (9CI) □ NEODROL □ PROTEINA □ PROTONA □ STANAPROL □ STANOLONE

TOXICITY DATA with REFERENCE:

spm-nml-par 12 mg/8W-I JEZAO 205,403,78

SAFETY PROFILE: Experimental teratogenic and reproductive effects. Mutation data reported. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes. See also TESTOSTERONE.

DME525 CAS: 855-22-1 HR: D
5- α -DIHYDROTESTOSTERONE PROPIONATE

mf: C₂₂H₃₄O₃ mw: 346.56

SYNS: ANDROSTANOLONE PROPIONATE □ DHTP □ DIHYDROTESTOSTERONE PROPIONATE □ DIHYDROTESTOSTERONE-17- β -PROPIONATE

SAFETY PROFILE: Experimental reproductive effects. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes. See also TESTOSTERONE.

DME600 CAS: 63681-01-6 HR: 3
1,2-DIHYDRO-2,2,4,6-TETRAMETHYLPYRIDINE

mf: C₉H₁₅N mw: 137.25

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV SCCUR* -,4,61

orl-rat LDLo:600 mg/kg SCCUR* -,4,61

orl-mus LD50:640 mg/kg SCCUR* -,4,61

skn-rbt LDLo:140 mg/kg SCCUR* -,4,61

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion. A severe skin irritant.

When heated to decomposition it emits toxic fumes of NO_x.

DME700 CAS: 21457-22-7 HR: 3
6,7-DIHYDRO-3,5,5,7-TETRAMETHYL-5H-THIAZOLO(3,2-a)PYRIMIDIN-7-OL HYDROCHLORIDE

mf: C₁₀H₁₆N₂OS•ClH mw: 248.80

TOXICITY DATA with REFERENCE:

orl-mus LD50:820 mg/kg PHARAT 24,572,69

ipr-mus LD50:360 mg/kg PHARAT 24,572,69

scu-mus LD50:795 mg/kg PHARAT 24,572,69

SAFETY PROFILE: Poison by intraperitoneal route.

Moderately toxic by ingestion and subcutaneous routes.

When heated to decomposition it emits toxic fumes of SO_x, NO_x, and HCl.

DME750 CAS: 141363-26-0 HR: D
2-((DIHYDRO-2(3H)-THIENYLIDENE)METHYL)-1-METHYL-5-NITRO-1H-IMIDAZOLE S,S-DIOXIDE

mf: C₉H₁₁N₃O₄S mw: 257.29

SYN: 1H-IMIDAZOLE, 2-((DIHYDRO-2(3H)-THIENYLIDENE)METHYL)-1-METHYL-5-NITRO-, S,S-DIOXIDE

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 pmol/plate EMMUEG 19,167,92

uns-bac-esc 100 pmol/tube EMMUEG 19,167,92

SAFETY PROFILE: Mutation data reported.

DMF000 CAS: 77-79-2 HR: 2
2,5-DIHYDROTHIOPHENE DIOXIDE

mf: C₄H₆O₂S mw: 118.16

PROP: Crystals. Mp: 64.7°. Sol in H₂O.

SYNS: BUTADIENE SULFONE □ 2,5-DIHYDROTHIOPHENE-1,1-DIOXIDE □ 2,5-DIHYDROTHIOPHENE SULFONE □ NCI-C04557 □ SULFOL-3-ENE □ β -SULFOLENE □ 3-SULFOLENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2830 mg/kg TXAP9 28,313,74

ipr-mus LD50:1700 mg/kg PCJOAU 12,1568,78

CONSENSUS REPORTS: NCI Carcinogenesis

Bioassay (gavage); No Evidence: mouse, rat NCITR*

NCI-CG-TR-102,78. Reported in EPA TSCA Inventory.

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

DMF400 CAS: 63979-37-3 HR: 2
1,2-DIHYDRO-s-TRIAZINE-4,6-DIAMINO-2,2-DIMETHYL-1-PHENYL-2,4,5-TRICHLORO-PHENOXYACETATE

mf: C₁₁H₁₅N₅•C₈H₅Cl₃O₃ mw: 472.79

SYN: 2,3,5-TRICHLORFENOXYOCTAN 1-FENYL-2,2-DIMETHYL-4,6-DIAMINO-1,2-DIHYDRO-1,3,5-TRIAZINU (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,156,72

orl-rat LD50:447 mg/kg 28ZPAK -,156,72

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

DMF600 CAS: 5831-17-4 HR: 2
16,17-DIHYDRO-11,12,17-TRIMETHYL-CYCLOPENTA(a)PHENANTHRENE

mf: C₂₀H₁₉ mw: 259.39

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

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

DMF800 CAS: 35764-73-9 HR: 3
cis-(±)-9,10-DIHYDRO-N,N,10-TRIMETHYL-2-(TRIFLUOROMETHYL)-9-ANTHRACENE PROPANAMINE

mf: C₂₁H₂₄F₃N mw: 347.46

SYNS: (+-)-9,10-DIHYDRO-N,N,10-TRIMETHYL-2-(TRIFLUOROMETHYL)-9-ANTHRACENPROPANAMIN (GERMAN) □

FLUOTRACEN □ SKF 28175

TOXICITY DATA with REFERENCE:

orl-rat LD50:487 mg/kg ARZNAD 27,1589,77

orl-mus LD50:353 mg/kg ARZNAD 27,1589,77

SAFETY PROFILE: Poison by ingestion. An antipsychotic agent. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.

DMG000 CAS: 68151-18-8 HR: D
1,2-DIHYDROTRIPHENYLENE

TOXICITY DATA with REFERENCE:

mmo-sat 20 nmol/plate CNREA8 40,1985,80

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

DMG100 CAS: 73825-87-3 HR: 3
**DIHYDROXO(1,2-DIAMINOCYCLOHEXANE)-
 PLATINUM(II) DIHYDRATE**

mf: $C_6H_{16}N_2O_2Pt \cdot 2H_2O$ mw: 379.37

PROP: IDLH 4 mg/m³ (as Pt).

SYNS: NSC 268252 □ PLATINUM (II), (CYCLOHEXANE-1,2-DIAMINE)DIHYDROXO-, DIHYDRATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:15 mg/kg CTRRDO 61,1519,77

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

DMG400 CAS: 89-84-9 HR: 2
2',4'-DIHYDROXYACETOPHENONE

mf: $C_8H_8O_3$ mw: 152.16

PROP: Leaflets or needles. Mp: 147°.

SYNS: 4-ACETYLRESORCINOL □ 2,4-DIHYDROXYACETOPHENONE □ 1-(2,4-DIHYDROXYPHENYL)ETHANONE □ RESACETOPHENONE □ β-RESACETOPHENONE □ RESOACETOPHENONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg SEV IHFCAY 6,1,67

orl-rat LD50:2830 mg/kg IHFCAY 6,1,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. A severe eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DMG600 CAS: 490-78-8 HR: 2
2',5'-DIHYDROXYACETOPHENONE

mf: $C_8H_8O_3$ mw: 152.16

PROP: Green needles from H₂O. Mp: 202–203°.

SYNS: ACETYLHYDROQUINONE □ 2-ACETYLHYDROQUINONE □ 2,5-DIHYDROXYACETO-PHENONE □ QUINACETOPHENONE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:500 mg/kg CBCCT* 5,140,53

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.

DMG700 HR: D
3-α,17-β-DIHYDROXY-5-α-ANDROSTANE

mf: $C_{19}H_{32}O_2$ mw: 292.51

SAFETY PROFILE: Experimental teratogenic and reproductive effects. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes.

DMG800 CAS: 72-48-0 HR: 3
1,2-DIHYDROXY-9,10-ANTHRAQUINONE

mf: $C_{14}H_8O_4$ mw: 240.22

PROP: Orange-red crystals needles or prisms from alc or by sublimation. Bp: 430° (sublimes); mp: 289°. Very sltly sol in water.

SYNS: ALIZARIN □ ALIZARINA □ ALIZARIN B □ ALIZARINE □ ALIZARINE B □ ALIZARINE 3B □ ALIZARINE INDICATOR □ ALIZARINE LAKE RED 2P □ ALIZARINE LAKE RED 3P □ ALIZARINE LAKE RED IPX □ ALIZARINE L PASTE □ ALIZARINE NAC □ ALIZARINE PASTE 20% BLUISH □ ALIZARINE RED □ ALIZARINE RED B □ ALIZARINE RED B2 □ ALIZARINE RED IP □ ALIZARINE RED IPP □ ALIZARINE RED L □ ALIZARINPRIMEVEROSIDE □ ALIZARIN RED □ 9,10-ANTHRACENEDIONE, 1,2-DIHYDROXY- □ 1,2-ANTHRAQUINONEDIOL □ CERTIQUAL ALIZARINE □ C.I. 58000 □ C.I. MORDANT RED 11 □ C.I. PIGMENT RED 83 □ D and C ORANGE NUMBER 15 □ DEEP CRIMSON MADDER 10821 □ 1,2-DIHYDROXYANTHRACHINON □ 1,2-DIHYDROXYANTHRAQUINONE □ ELJON MADDER □ MITSUI ALIZARINE B □ SANYO CARMINE L2B □ TURKEY RED

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,101,72

mmo-sat 100 µg/plate MUREAV 40,203,76

mma-sat 100 µg/plate MUREAV 40,203,76

dnr-bcs 2 mg/disc TRENAF 27,153,76

orl-bwd LD50:316 mg/kg AECTCV 12,355,83

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

SAFETY PROFILE: Poison by ingestion. Mutation data reported. An eye irritant. Flammable when exposed to oxidizers and heat. When heated to decomposition it emits acrid smoke and irritating fumes.

DMH000 CAS: 81-64-1 HR: 3
1,4-DIHYDROXYANTHRAQUINONE

mf: $C_{14}H_8O_4$ mw: 240.22

PROP: Red crystals from alc. Mp: 194°, bp: 200–202°, vap press: 1 mm @ 196.7°, vap d: 8.3.

SYNS: 1,4-DIHYDROXYANTHRACHINON (CZECH) □ 1,4-DIHYDROXY-9,10-ANTHRAQUINONE □ 1,4-DIOXYANTHRAQUINONE (RUSSIAN) □ QUINIZARIN

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,102,72

mmo-sat 100 µg/plate MUREAV 40,203,76

ipr-rat LD50:2100 mg/kg GTPZAB 21(12),27,77

ivn-mus LD50:320 mg/kg CSLNX* NX#03274

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. Mutation data reported. An eye irritant. A weak allergen. When heated to decomposition it emits acrid smoke and irritating fumes.

DMH200 CAS: 117-12-4 HR: 1
1,5-DIHYDROXYANTHRAQUINONE

mf: $C_{14}H_8O_4$ mw: 240.22

PROP: Green to yellow crystals from alc. Mp: 280°, bp: subl, vap d: 8.3.

SYNS: ANTHRARUFIN □ 1,5-DIHYDROXYANTHRACHINON (CZECH) □ 1,5-DIHYDROXY-9,10-ANTHRAQUINONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,102,72
 mmo-sat 50 µg/plate MUREAV 40,203,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMH400 CAS: 117-10-2 HR: 3
1,8-DIHYDROXYANTHRAQUINONE

mf: C₁₄H₈O₄ mw: 240.22

PROP: Reddish-yellow needles or leaflets. Mp: 193°, vap d: 8.3. Sol in alc, alkalies.

SYNS: ALTAN □ ANTRAPUROL □ CHRYSAZIN □ DANTHRON □ DANTRON □ DIAQUONE □ 1,8-DIHYDROXY-9,10-ANTHRACENEDIONE □ 1,8-DIHYDROXYANTHRA-CHINON (CZECH) □ DIONONE □ DORBANE □ DORBANEX □ DUOLAX □ ISTIN □ LAXANORM □ LAXANTHREEN □ LAXIPUR □ LAXIPURIN □ LTAN □ MODANE □ USAF ND-59 □ ZWITSALAX

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,102,72
 mmo-sat 100 µg/plate MUREAV 40,203,76

dns-mus:lvf 20 µmol/L CNREA8 44,2918,84

ipr-mus LD50:500 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Moderately toxic by intraperitoneal route. An eye irritant. Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Human mutation data reported. A laxative. When heated to decomposition it emits acrid smoke and irritating fumes.

DMH600 CAS: 84-60-6 HR: 3
2,6-DIHYDROXYANTHRAQUINONE

mf: C₁₄H₈O₄ mw: 240.22

PROP: Yellow needles from EtOH.

SYNS: ANTHRAFLAVIC ACID □ ANTHRAFLAVIN □ NSC-33531

TOXICITY DATA with REFERENCE:

mma-sat 100 µg/plate MUREAV 40,203,76

ivn-mus LD50:180 mg/kg CSLNX* NX#06773

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See other dihydroxyanthraquinone entries.

DMS410 CAS: 93780-95-1 HR: 2
(1R,2S,3S,4R)-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDRODIBENZ(c,h)ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYNS: BENZ(c)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1AS-(1A-α,2-β,3-α,13C-α))- □ (+)-(1R,2S,3S,4R)-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDRO-DIBENZ(c,h)ACRIDINE

TOXICITY DATA with REFERENCE:

mic-sat 100 pmol/plate CNREA8 46,2760,1986

msc-ham-lng 50 nmol/L CNREA8 46,2760,1986

skn-mus TDLo:658.7 µg/kg;CAR CRNGDP 21,1997,2000

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

DMS420 CAS: 93780-98-4 HR: 2
(1S,2R,3S,4R)-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDRODIBENZ(c,h)ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYNS: BENZ(c)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1AR-(1A-α,2-α,3-β,13C-α))- □ (+)-(1S,2R,3S,4R)-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRA-HYDRODIBENZ(c,h)ACRIDINE

TOXICITY DATA with REFERENCE:

mic-sat 200 pmol/plate CNREA8 46,2760,1986

msc-ham-lng 400 nmol/L CNREA8 46,2760,1986

skn-mus TDLo:658.7 µg/kg;CAR CRNGDP 21,1997,2000

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

DMG950 CAS: 3237-50-1 HR: 3
5,5-DIHYDROXY BARBITURIC ACID

mf: C₄H₄N₂O₅ mw: 160.10

SYNS: ALLOXAN HYDRATE □ ALLOXAN MONOHYDRATE □ 5,5-DIHYDROXY-2,4,6(1H,3H,5H)-PYRIMIDINETRIONE □ 2,4,6(1H,3H,5H)-PYRIMIDINETRIONE, 5,5-DIHYDROXY-

TOXICITY DATA with REFERENCE:

sce-ham-ovr 2490 mg/L EMMUEG 13,60,1989

ivn-rat TDLo:40 mg/kg (female 1W pre):REP TOLED5 62,263,1992

orl-rat LD :>500 mg/kg NCNSA6 5,21,1953

ivn-ckn LDLo:400 mg/kg IVEJAC 67,805,1990

ivn-rat TDLo:42 mg/kg BCPA6 62,357,2001

ipr-rat TDLo:150 mg/kg BIPBU* 25,526,2002

SAFETY PROFILE: A poison by intraperitoneal and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

DMI300 CAS: 20123-80-2 HR: 2
2,5-DIHYDROXYBENZENESULFONIC ACID CALCIUM SALT

mf: C₁₂H₁₀O₁₀S₂•Ca mw: 418.42

PROP: White, powdery crystals from water. Mp: >300° (decomp). Color deepens to pink upon exposure to air. Very soluble in water and alc; practically insol in ether, benzene, chloroform.

SYNS: CALCIUM DOBESILATE □ DEXIUM □ DOBESILATE CALCIUM □ DOXIUM □ HYDROQUINONE CALCIUM SULFONATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:9400 mg/kg APFRAD 30,415,72

orl-mus LD50:7700 mg/kg APFRAD 20,415,72

ivn-mus LD50:775 mg/kg APFRAD 30,415,72

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to

decomposition it emits toxic fumes of SO_x. See also SULFONATES and CALCIUM COMPOUNDS.

DMI400 CAS: 2373-98-0 HR: 3
3,3'-DIHYDROXYBENZIDINE

mf: C₁₂H₁₂N₂O₂ mw: 216.26

PROP: Plates from Me₂CO. Mp: 160°.

SYNS: 6,6'-DIAMINO-m,m'-BIPHENOL □ 4,4'-DIAMINO-3,3'-BIPHENYLDIOL □ 3,3'-DIOXYBENZIDINE □ 3,3'-DWUOKSYBENZYDYNA (POLISH)

TOXICITY DATA with REFERENCE:

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

orl-rat TDLo:9950 mg/kg/52W-I:NEO VOONAW 7(2),33,61

orl-mus TDLo:11 g/kg/47W-I:ETA VOONAW 7(2),33,61

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DMI600 CAS: 131-56-6 HR: 3
2,4-DIHYDROXYBENZOPHENONE

mf: C₁₃H₁₀O₃ mw: 214.23

PROP: Needles from H₂O. Mp: 142.6–144.6°. Sol in concentrations of H₂SO₄.

SYNS: 2,4-DIHYDROXYBENZOFENON (CZECH) □ EASTMAN INHIBITOR DHPB □ QUINSORB 010 □ SYNTASE 100 □ UF 1 □ USAF DO-28 □ USAF ND-54 □ UVINUL 400

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,101,72

orl-rat LD50:8600 mg/kg RPZHAW 19,179,68

ipr-mus LD50:100 mg/kg NTIS** AD277-689

ivn-mus LD50:85 mg/kg BJPCAL 22,221,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

DMI700 CAS: 83470-64-8 HR: D
9-(3,4-DIHYDROXYBUTYL)GUANINE

mf: C₉H₁₃N₅O₃ mw: 239.27

SYNS: 1,9-DIHYDRO-2-AMINO-9-(3,4-DIHYDROXYBUTYL)-6H-PURIN-6-ONE □ 6H-PURIN-6-ONE, 1,9-DIHYDRO-2-AMINO-9-(3,4-DIHYDROXYBUTYL)-

TOXICITY DATA with REFERENCE:

sce-hmn-lym 200 mg/L LIFSAK 38,281,1986

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

DMJ000 CAS: 143-62-4 HR: 3
3,β,14-DIHYDROXY-5,β-CARD-20(22)ENOLIDE

mf: C₂₃H₃₄O₄ mw: 374.57

PROP: Crystals from EtOH (aq). Mp: 253°.

SYNS: CARDOGENEN-(20:22)-DIOL-(3-β,14) (GERMAN) □ CERBERIGENIN □ DIGITOXIGENIN □ DIGITOXIGENINE □ (3-β,5-β)-3,14-DIHYDROXY-CARD-20(22)-ENOLIDE □ 3-β,14-DIOXY-CARDEN-(20:22)-OLID (GERMAN) □ 3-β,14-DIOXY-DIGEN-(20:22)-OLID (GERMAN) □ ECHUJETIN □ EVONOGENIN □ THEVETIGENIN □ Δ^{20:22}-3,14,21-TRIHYDROXYNORCHOLENIC ACID LACTONE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:1600 μg/kg ARZNAD 11,848,61

orl-mus LD50:26,170 μg/kg AIPTAK 153,436,65

scu-mus LD50:11,820 μg/kg AIPTAK 153,436,65

ivn-mus LD50:1131 μg/kg LIFSAK 37,775,85

ivn-cat LDLo:420 mg/kg AEPPAE 184,181,37

ivn-gpg LDLo:1419 μg/kg AIPTAK 153,436,65

par-pgn LDLo:600 μg/kg CPBTAL 8,18,60

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and parenteral routes. When heated to decomposition it emits acrid smoke and irritating fumes.

DMJ200 CAS: 128-13-2 HR: 3
3-α,7-β-DIHYDROXY-6-β-CHOLAN-24-OIC ACID

mf: C₂₄H₄₀O₄ mw: 392.64

PROP: Plates from EtOH. Mp: 203°.

SYNS: CHOLIT-URSAN □ DELURSAN □ DESTOLIT □ DEURSIL □ 3-α,7-β-DIHYDROXYCHOLANIC ACID □ 3,7-DIHYDROXYCHOLAN-24-OIC ACID □ 3-α,7-β-DIHYDROXY-5-β-CHOLANOIC ACID □ (3-α,5-β,7-β)-3,7-DIHYDROXYCHOLAN-24-OIC ACID □ 3-α,7-α-DIHYDROXYCHOLANSAEURE (GERMAN) □ 3-α,7-β-DIOXYCHOLANIC ACID □ 17-β-(1-METHYL-3-CARBOXYPROPYL)ETIOCHOLANE-3-α,7-β-DIOL □ UDCA □ URSACOL □ URSO □ URSOCHOL □ URSODEOXYCHOL □ URSODEOXYCHOLIC ACID □ URSODESOXYCHOLIC ACID □ URSOFALK □ URSOLVAN

TOXICITY DATA with REFERENCE:

mno-sat 40 mg/L MUREAV 158,45,85

orl-rat TDLo:11,900 mg/kg (4-20D preg):TER AIPTAK 246,149,80

orl-rat LD50:4600 mg/kg BCFAAI 126,282,87

ipr-rat LD50:890 mg/kg NIIRDN 6,95,82

ivn-rat LD50:310 mg/kg NIIRDN 6,95,82

ivn-mus LD50:240 mg/kg NIIRDN 6,95,82

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Experimental teratogenic and reproductive effects. Mutation data reported. Stimulates the flow of bile to the duodenum (a cholagogic). When heated to decomposition it emits acrid smoke and irritating fumes.

DMJ400 CAS: 32222-06-3 HR: 3
1α,25-DIHYDROXYCHOLECALCIFEROL

mf: C₂₇H₄₄O₃ mw: 416.71

PROP: Crystals from methyl formate. Mp: 118–119°.

SYNS: CALCITRIOL □ 1,25-DIHYDROXYCHOLECALCIFEROL □ 1-α,25-DIHYDROXYCHOLECALCIFEROL □ DIHYDROXY-VITAMIN D3 □ 1-α,25-DIHYDROXYVITAMIN D3 □ Ro 215535 □ ROCALTROL □ (5Z,7E)-9,10-SECOCHESTA-5,7,10(19)-TRIENE-1-α,3-β,25-TRIOL □ (1-α,3-β,5Z,7E)-9,10-SECOCHOLESTA-5,7,10(19)-TRIENE-1,3,25-TRIOL □ SOLTRIOL

TOXICITY DATA with REFERENCE:

dns-mus:fbr 2 μg/L CNREA8 46,604,86

scu-rat LD50:66 μg/kg YACHDS 11,4175,83

orl-mus LD50:1350 μg/kg YACHDS 11,4175,83

ipr-mus LD50:1900 μg/kg YACHDS 11,4175,83

scu-mus LD50:145 μg/kg YACHDS 11,4175,83

SAFETY PROFILE: A deadly poison by ingestion, intraperitoneal, and subcutaneous routes. Experimental teratogenic and reproductive effects. Mutation data reported. Enhances intestinal calcium transport and bone

mineral mobilization. When heated to decomposition it emits acrid smoke and irritating fumes.

DMJ600 CAS: 2892-51-5 HR: 2
3,4-DIHYDROXY-3-CYCLOBUTENE-1,2-DIONE
 mf: C₄H₂O₄ mw: 114.06

PROP: Crystals from water. Mp: 293° (decomp approx). Sol in water.

SYNS: DIHYDROXYCYCLOBUTENEDIONE □ 3,4-DIHYDROXYCYCLOBUTENE-1,2-DIONE □ QUADRATIC ACID □ SQUARIC ACID

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMJ800 CAS: 128-59-6 HR: 1
DIHYDROXYDIBENZANTHRONE
 mf: C₃₄H₁₆O₄ mw: 488.50

SYNS: 16,17-DIHYDROXYDIBENZANTHRONE □ DIHYDROXYVIOLANTHRON (CZECH) □ 16,17-DIHYDROXYVIOLANTHRONE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,104,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMJ900 CAS: 103364-68-7 HR: 2
(+)-1-α,2-β-DIHYDROXY-1,2-DIHYDROBENZENE
 mf: C₆H₈O₂ mw: 112.14

SYNS: 3,5-CYCLOHEXADIENE-1,2-DIOL, (1S-trans)- □ (+)-(1S,2S)-1,2-DIHYDROXY-1,2-DIHYDROBENZENE

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

DMK200 CAS: 66267-18-3 HR: 2
trans-1,2-DIHYDROXY-1,2-DIHYDROBENZO(a,h)ANTHRACENE

mf: C₂₂H₁₆O₂ mw: 312.38

SYNS: DBA-1,2-DIHYDRODIOL □ (E)-1,2-DIHYDRO-1,2-DIHYDROXYDIBENZ(a,h)ANTHRACENE □ trans-1,2-DIHYDROXY-1,2-DIHYDROBENZ(a,h)ANTHRACENE

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

DMK400 CAS: 24961-49-7 HR: 2
trans-4,5-DIHYDROXY-4,5-DIHYDROBENZO(e)-PYRENE

mf: C₂₀H₁₄O₂ mw: 286.34

SYNS: BENZO(e)PYRENE-4,5-DIHYDRODIOL □ 4,5-DIHYDRO-4,5-DIHYDROXYBENZO(e)PYRENE □ B(e)P-4,5-DIHYDRODIOL

TOXICITY DATA with REFERENCE:

mma-sat 10 nmol/plate JBCHA3 254,4408,79

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported.

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

DMK600 CAS: 66788-06-5 HR: 2
trans-9,10-DIHYDROXY-9,10-DIHYDROBENZO(e)PYRENE

mf: C₂₀H₁₄O₂ mw: 286.34

SYN: B(E)P 9,10-DIHYDRODIOL

TOXICITY DATA with REFERENCE:

mma-sat 10 nmol/plate JBCHA3 254,4408,79

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

DML000 CAS: 61443-57-0 HR: 2
(+,-)-trans-7,8-DIHYDROXY-7,8-DIHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₂ mw: 286.34

SYN: BP-7,8-DIHYDRODIOL

TOXICITY DATA with REFERENCE:

dnd-rat:lv 20 μmol/L CRNGDP 3,861,82

msc-mus:fbr 200 nmol/L CNREA8 42,1866,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DML200 CAS: 60864-95-1 HR: 2
(-)-trans-7,8-DIHYDROXY-7,8-DIHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₂ mw: 286.34

SYN: BP-7,8-DIHYDRODIOL

TOXICITY DATA with REFERENCE:

mmo-sat 8 μg/plate MUREAV 58,361,78

otr-rat:lv 10 mg/L CNREA8 40,1281,80

msc-ham:lng 40 nmol/L/2D CALEDQ 4,35,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DML400 CAS: 62314-67-4 HR: 2
(+)-trans-7,8-DIHYDROXY-7,8-DIHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₂ mw: 286.34

TOXICITY DATA with REFERENCE:

mma-sat 4 μg/plate MUREAV 58,361,78

otr-rat:lv 10 mg/L CNREA8 40,1281,80

msc-ham:lng 1200 nmol/L/2D CALEDQ 4,35,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMK633 CAS: 130063-43-3 HR: D
8,9-DIHYDROXY-8,9-DIHYDRODIBENZO(a,l)-PYRENEmf: C₂₄H₁₆O₂ mw: 336.39**SYN:** DIBENZO(def,p)CHRYSENE-8,9-DIOL, 8,9-DIHYDRO-**TOXICITY DATA with REFERENCE:**

mor-mus-emb 33 nmol/L/24H CRNGDP 21,1253,2000

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**DML775 CAS: 69260-85-1 HR: 2**
trans-3,4-DIHYDROXY-3,4-DIHYDRO-7,12-DIHYDROXYMETHYLBENZ(a)ANTHRACENEmf: C₂₀H₁₈O₄ mw: 322.38**SYN:** (E)-3,4-DIHYDROXY-3,4-

DIHYDROBENZ(a)ANTHRACENE-7,12-DIMETHANOL

TOXICITY DATA with REFERENCE:

mma-sat 50 nmol/plate CNREA8 40,3661,80

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**DML800 CAS: 3343-12-2 HR: 2**
11,12-DIHYDROXY-11,12-DIHYDRO-3-METHYLCHOLANTHRENE (E)mf: C₂₁H₁₈O₂ mw: 302.39**SYNS:** trans-11,12-DIHYDRO-11,12-DIHYDROXY-3-

METHYLCHOLANTHRENE □ (E)-MC 11,12-DIHYDRODIOL □

(E)-11,12-DIHYDRO-3-METHYLCHOLANTHRENE-11,12-DIOL □

(E)-3-METHYLCHOLANTHRENE-11,12-DIHYDRODIOL □ trans-

3-METHYL-11,12-DIHYDROCHOLANTHRENE-11,12-DIOL

TOXICITY DATA with REFERENCE:

mma-sat 20 μmol/L BBRC A9 85,1568,78

sce-ham:ovr 1 mg/L CALEDQ 7,45,79

msc-ham:lng 1 mg/L BBRC A9 85,1568,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**DMM200 CAS: 68151-04-2 HR: D**
trans-1,2-DIHYDROXY-1,2-DIHYDRO-TRIPHENYLENEmf: C₁₈H₁₄O₂ mw: 262.2**SYN:** (E)-1,2-DIHYDRO-1,2-DIHYDROXYTRIPHENYLENE**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate CNREA8 40,1985,80

mma-sat 1 nmol/plate CNREA8 40,1985,80

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**DMM400 CAS: 3179-90-6 HR: 2**
5,8-DIHYDROXY-1,4-DIHYDROXYETHYLAMINO-ANTHRAQUINONEmf: C₁₈H₁₈N₂O₆ mw: 358.38**SYNS:** ACETATE TURQUOISE BLUE B □ ACETOQUINONE

LIGHT GREEN BLUE JL □ AMACEL GREEN BLUE B □

AMACEL GREEN BLUE G □ ANTHRAQUINONE, 1,4-BIS((2-

HYDROXYETHYL)AMINO)-5,8-DIHYDROXY- □ ANTHRAQUINONE, 1,4-DIHYDROXY-5,8-BIS((2-HYDROXYETHYL)AMINO)- □ ARTISIL BLUE GREEN GP □ CELANTHRENE FAST BLUE 2G □ CELLITON BLUE GREEN B □ CELLITON FAST BLUE GREEN B □ CELLITON FAST BLUE GREEN BA-CF □ CELUTATE GREEN BLUE BGH □ CIBACET BLUE GREEN C □ CIBACET BLUE GREEN CB □ CIBACET TURQUOISE BLUE G □ CIBACET TURQUOISE BLUE 2G □ CIBACET TURQUOISE BLUE 4G □ CILLA FAST BLUE GREEN B □ C.I. 62500 □ C.I. DISPERSE BLUE 7 □ C.I. SOLVENT BLUE 69 □ DIACELLITON FAST BLUE GREEN B □ 1,4-DIHYDROXY-5,8-BIS((2-HYDROXYETHYL)AMINO)-9,10-ANTHRACENEDIONE □ 1,4-DIOXYETHYLAMINO-5,8-DIOXYANTHRAQUINONE □ DISPERSE BLUE 7 □ DISPERSE BLUE GREEN □ DISPERSIVE blue-green □ 1,4-DOEA-5,8-DAPFA (RUSSIAN) □ DURANOL BLUE GREEN B □ DURANOL PRINTING BLUE GREEN B □ ESTEROQUINONE LIGHT BLUE 4JL □ FENACET FAST TURQUOISE B □ INTERCHEM ACETATE GREEN BLUE ALF □ INTERCHEM HISPERS GREEN BLUE ALPH □ MIKETON FAST TURQUOISE BLUE G □ NACELAN BLUE CBG □ NYLOQUINONE BLUE 4J □ PALANIL BLUE 7G □ PERLITON BLUE GREEN B □ SAMARON BLUE 5G □ SERIPLAS BLUE GREEN BW □ SERISOL FAST BLUE GREEN B □ SERISOL FAST BLUE GREEN BW □ SETACYL BLUE 6GN □ SETACYL BLUE GREEN P-BS □ SETACYL TURQUOISE BLUE G □ SETACYL TURQUOISE BLUE 2G □ SETACYL TURQUOISE BLUE 4G □ SETACYL TURQUOISE BLUE GD □ SUPRACET BLUE GREEN B □ SUPRACET FAST GREEN BLUE B □ TERASIL BLUE GREEN CB □ TERASIL TURQUOISE BLUE G

TOXICITY DATA with REFERENCE:

msc-mus:lym 10 mg/L EPASR* 8EHQ-1179-0321

hma-mus:sat 8 g/kg EPASR* 8EHQ-1179-0321

ipr-rat LD50:700 mg/kg GTPZAB 21(12),27,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DMM600 CAS: 10232-92-5 HR: 3**
2,4-DIHYDROXY-3,3-DIMETHYLBUTYRO-NITRILEmf: C₆H₁₁NO₂ mw: 129.18**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,917,86

eye-rbt 2 mg/24H SEV 85JCAE -,917,86

orl-rat LD50:310 mg/kg AIHAAP 23,95,62

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

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion and skin contact. Human reproductive effects by inhalation: impaired spermatogenesis. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.**DMN000 CAS: 4418-66-0 HR: 3**
2,2'-DIHYDROXY-3,3'-DIMETHYL-5,5'-DICHLORODIPHENYL SULFIDEmf: C₁₄H₁₂Cl₂O₂S mw: 315.22**SYNS:** CHLORISAN □ 2,2'-THIOBIS(4-CHLORO-6-METHYLPHENOL)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1300 µg/kg PCOC** -,224,66

ipr-rat LD50:850 µg/kg PCOC** -,224,66

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of SO_x and Cl⁻. See also CHLOROPHENOLS and SULFIDES.

DMN200 CAS: 17088-73-2 HR: D
DIHYDROXYDIMETHYL PEROXIDE

mf: C₂H₆O₄ mw: 94.08

SYNS: BIS(HYDROXYMETHYL)PEROXIDE □ BIS-(1-HYDROXYMETHYL)PEROXIDE □ DIHYDROXYMETHYL PEROXIDE □ DIOXYBIS METHANOL □ DIOXYDIMETHANOL

TOXICITY DATA with REFERENCE:

sln-dmg-par 20 mmol/L NATUAS 177,979,56

oms-mus/ast 20 mg/kg BSBGAQ 81,180,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMN400 CAS: 81-55-0 HR: 3
1,8-DIHYDROXY-4,5-DINITROANTHRAQUINONE

mf: C₁₄H₆N₂O₈ mw: 330.22

SYNS: 9,10-ANTHRACENEDIONE, 1,8-DIHYDROXY-4,5-DINITRO-(9CI) □ 4,5-DINITROCHRYSAZIN □ NCI-C60742

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate MUREAV 40,203,76

ivn-mus LD50:180 mg/kg CSLNX* NX#01788

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMN450 CAS: 947-42-2 HR: 3
DIHYDROXYDIPHENYLSILANE

mf: C₁₂H₁₂O₂Si mw: 216.33

SYNS: DIFENYL-DIHYDROXYSILAN □ SILANE, DIHYDROXYDIPHENYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:2150 mg/kg 85JCAE -,1237,86

ivn-mus LD50:180 mg/kg CSLNX* NX#04052

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMN460 CAS: 140460-98-6 HR: D
11R,10S-DIHYDROXY-9S,8R-EPOXIDE-8,9,10,11-TETRAHYDROBENZ(a,h)ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYN: BENZ(A)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1A-α-2-α-3-β,13Cα)-(+)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 pmol/plate CRNGDP 14,2233,93

msc-ham-lng 3 nmol/plate CRNGDP 14,2233,93

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

DMN462 CAS: 140461-57-0 HR: D
11S,10R-DIHYDROXY-9S,8R-EPOXIDE-8,9,10,11-TETRAHYDROBENZ(a,h)ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYN: BENZ(A)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1A-α-2-β,3-α-13Cα)-(+)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 400 pmol/plate CRNGDP 14,2233,93

msc-ham-lng 9 nmol/plate CRNGDP 14,2233,93

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

DMN470 CAS: 140460-97-5 HR: D
11R,10S-DIHYDROXY-9R,8S-EPOXIDE-8,9,10,11-TETRAHYDRODIBENZ(a,h)-ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYN: BENZ(A)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1A-α-2-β,3-α-13Cα)-(-)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 300 pmol/plate CRNGDP 14,2233,93

msc-ham-lng 3 nmol/plate CRNGDP 14,2233,93

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

DMN472 CAS: 140460-96-4 HR: D
11S,10R-DIHYDROXY-9R,8S-EPOXIDE-8,9,10,11-TETRAHYDRODIBENZ(a,h)-ACRIDINE

mf: C₂₁H₁₅NO₃ mw: 329.37

SYN: BENZ(A)OXIRENO(5,6)BENZ(1,2-H)ACRIDINE-2,3-DIOL, 1A,2,3,13C-TETRAHYDRO-, (1A-α-2-α-3-β,13Cα)-(-)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 100 pmol/plate CRNGDP 14,2233,93

msc-ham-lng 3 nmol/plate CRNGDP 14,2233,93

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

DMO500 CAS: 64551-89-9 HR: 2
(±)-cis-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDROBENZ(a)ANTHRACENE

mf: C₁₈H₁₀O₃ mw: 274.28

SYNS: BENZ(a)ANTHRACENE, 3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDRO-, (Z), (+)- □ (±)-cis-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDROBENZO(a)ANTHRACENE □ DIOL-EPOXIDE-1

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

DMO600 CAS: 64598-83-0 HR: 2
(±)-trans-8-β,9-α-DIHYDROXY-10-α,11-α-EPOXY-8,9,10,11-TETRAHYDROBENZ(a)-ANTHRACENE

mf: C₁₈H₁₄O₃ mw: 278.32

SYNS: BA-8,9-DIOL-10,11-EPOXIDE-1 □ (E)-8,9,10,11-TETRAHYDRO-8-β,9-α-DIHYDROXY-10-α,11-α-BENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

mno-sat 50 nmol/plate MUREAV 44,313,77

msc-ham:lng 600 µg/L BJCAAI 39,540,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMO800 CAS: 63438-26-6 HR: 2
(+)-trans-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDROBENZ(a) ANTHRACENE

mf: C₁₈H₁₀O₃ mw: 274.28

SYNS: (E)-(+)-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDROBENZ(a)ANTHRACENE □ (+)-trans-3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDROBENZ(a)ANTHRACENE □ DIOL-EPOXIDE 2

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

DMP000 CAS: 64838-75-1 HR: 2
(±)-trans-1,β,2,α-DIHYDROXY-3,α,4,α-EPOXY-1,2,3,4-TETRAHYDROBENZ(a)-ANTHRACENE

mf: C₁₈H₁₄O₃ mw: 278.32

SYN: BA-1,2-DIOL-3,4-EPOXIDE-1

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

DMP200 CAS: 64598-82-9 HR: 2
(±)-trans-8-β,9-α-DIHYDROXY-10-β,11-β-EPOXY-8,9,10,11-TETRAHYDROBENZ(a)-ANTHRACENE

mf: C₁₈H₁₄O₃ mw: 278.32

SYN: (E)-(+)-8,9,10,11-TETRAHYDRO-8-β,9-α-DIHYDROXY-10-β,11-β-EPOXYBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

mno-sat 50 nmol/plate MUREAV 44,313,77

msc-ham:lng 600 µg/L BJCAAI 39,540,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMP300 CAS: 151378-32-4 HR: D
R-4,T-5-DIHYDROXY-C-6,6A-EPOXY-4,5,6,6A-TETRAHYDROBENZO(J)FLUORANTHENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYN: 11H-BENZO(7,8)FLUORANTHENO(1,10B-B)OXIRENE-11,12-DIOL, 12,12A-DIHYDRO-, (11S-(1AS*,11-α-12-β,12A-β))-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1 nmol/plate EMMUEG 22,34,93

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

DMP310 CAS: 151378-31-3 HR: D
R-4,T-5-DIHYDROXY-T-6,6A-EPOXY-4,5,6,6A-TETRAHYDROBENZO(J)FLUORANTHENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYN: 11H-BENZO(7,8)FLUORANTHENO(1,10B-B)OXIRENE-11,12-DIOL, 12,12A-DIHYDRO-, (11S-(1AR*,11-α-12-β,12Aα-)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1 nmol/plate EMMUEG 22,34,93

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

DMP600 CAS: 63323-29-5 HR: 2
(+)-cis-7,α,8,β-DIHYDROXY-9,α,10,α-EPOXY-7,8,9,10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYNS: (+)-BP-7,α,8-β-DIOL-9,α,10,α-EPOXIDE 1 □ (+)-Z-7,8,9,10-TETRAHYDRO-7-α,8-β-DIHYDROXY-9-α,10-α-EPOXYBENZO(a)PYRENE □ (+)-cis-7,8,9,10-TETRAHYDRO-7-β,8-α-DIHYDROXY-9-β,10-β-EPOXYBENZO(a)PYRENE

TOXICITY DATA with REFERENCE:

mno-sat 100 pmol/plate BBRC9 77,1389,77

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

DMP800 CAS: 63357-09-5 HR: 2
(-)-cis-7,β,8,α-DIHYDROXY-9,β,10,β-EPOXY-7,8,9,10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

PROP: Crystals from EtOAc. Mp: 214°.

SYNS: (-)-BP-7,β,8,α-DIOL-9,β,10,β-EPOXIDE 1 □ (-)-Z-7,8,9,10-TETRAHYDRO-7-α,8-β-DIHYDROXY-9-α,10-α-EPOXYBENZO(a)PYRENE □ (-)-Z-7,8,9,10-TETRAHYDRO-7-β,8-α-DIHYDROXY-9-β,10-β-EPOXYBENZO(a)PYRENE

TOXICITY DATA with REFERENCE:

mno-sat 100 pmol/plate BBRC9 77,1389,77

dnd-mus-skn 8 µmol/kg CNREA8 44,1081,84

msc-ham:lng 1 µmol/L MUREAV 44,313,77

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

DMP900 CAS: 58917-67-2 HR: 2
(±)-(E)-7,8-DIHYDROXY-9,10-EPOXY-7,8,9,10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYN: BP 7,8-DIOL-9,10-EPOXIDE 2

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

DMQ000 CAS: 58917-67-2 HR: 3
(±)-trans-7,8-DIHYDROXY-9,10-EPOXY-7,8,9,10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYNS: anti-BENZO(a)PYRENE-DIOLEPOXIDE □ anti-BP-DIOLEPOXIDE

TOXICITY DATA with REFERENCE:

dni-omi 200 µg/L PNASA6 74,1378,77

dni-omi 100 µg/L PNASA6 74,1378,77

msc-ham:ovr 100 nmol/L MUREAV 112,329,83

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

DMQ600 CAS: 58917-67-2 HR: D
(±)-7, α, 8, β-DIHYDROXY-9, β, 10, β-EPOXY-7, 8, 9, 10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYNS: anti-BPDE □ (±)-7, 8, 9, 10-TETRAHYDRO-7-α, 8-β-DIHYDROXY-9-β, 10-β-EPOXYBENZO(a)PYRENE □ (±)-7, 8, 9, 10-TETRAHYDRO-9-β, 10-β-EPOXY-7-α, 8-β-DIHYDROXYBENZO(a)-PYRENE

TOXICITY DATA with REFERENCE:

dnd-mus-skn 20 µmol/kg CRNGDP 3,1135,82

sce-ham:lng 600 µg/L IJCNAW 24,485,79

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

DMQ800 CAS: 60268-85-1 HR: D
7-β, 8-α-DIHYDROXY-9-α, 10-α-EPOXY-7, 8, 9, 10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYN: R-7, t-8-DIHYDROXY-t-9, 10-OXY-7, 8, 9, 10-TETRAHYDROBENZO(a)PYRENE

TOXICITY DATA with REFERENCE:

otr-hmn:fbr 330 nmol/L PNASA6 80,7219,83

dnd-hmn:fbr 200 nmol/L PNASA6 77,5933,80

sce-hmn:fbr 100 nmol/L CNREA8 45,2600,85

msc-hmn:fbr 100 nmol/L PNASA6 77,5933,80

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

DMR000 CAS: 58917-91-2 HR: 2
(±)-7, β, 8, α-DIHYDROXY-9, β, 10, β-EPOXY-7, 8, 9, 10-TETRAHYDROBENZO(a)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYNS: BPDE-syn □ B(a)P EPOXIDE I □ (±)-7-α, 8-β-DIHYDROXY-9-α, 10-α-EPOXY-7, 8, 9, 10-TETRAHYDROBENZO(a)PYRENE □ (±)-7, 8, 8a, 9a-TETRAHYDROBENZO(10, 11)CHYRSENO(3, 4-b)OXIRENE-7, 8-DIOL □ (±)-7, 8, 9, 10-TETRAHYDRO-7-α, 8-β-DIHYDROXY-9-α, 10-α-EPOXYBENZO(a)PYRENE

TOXICITY DATA with REFERENCE:

mno-sat 300 pmol/plate CNREA8 36,3358,76

mma-sat 300 pmol/plate CNREA8 36,3358,76

dnr-hmn:fbr 1 µmol/L CBINA8 20,279,78

dnd-mus-skn 20 µmol/kg CRNGDP 3,1135,82

oms-mus-skn 20 µmol/kg CRNGDP 3,1135,82

dnd-mam:lym 600 nmol CRNGDP 3,267,82

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

DMR150 HR: 2
(±)-9-α-10-β-DIHYDROXY-11-β, 12-β-EPOXY-9, 10, 11, 12-TETRAHYDROBENZO(e)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYNS: BENZO(e)PYRENE, 9, 10-DIOL-11, 12-EPOXIDE 1 (cis) □ B(e)P DIOL EPOXIDE-1 □ B(e)P 9, 10-DIOL-11, 12-EPOXIDE-1

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

DMR200 HR: 2
(±)-9, β, 10, α-DIHYDROXY-11, α, 12, α-EPOXY-9, 10, 11, 12-TETRAHYDROBENZO(e)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.3

SYN: B(E)P DIOL EPOXIDE-2

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate CNREA8 40,1985,80

mma-sat 1 nmol/plate CNREA8 40,1985,80

msc-ham:lng 1 nmol/L CNREA8 40,1985,80

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

DMR400 CAS: 74465-36-4 HR: D
(±)-9, β, 10, α-DIHYDROXY-11, β, 12, β-EPOXY-9, 10, 11, 12-TETRAHYDROBENZO(e)PYRENE

mf: C₂₀H₁₄O₃ mw: 302.34

SYN: B(e)P DIOL EPOXIDE-1

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate CNREA8 40,1985,80

msc-ham:lng 1 nmol/L CNREA8 40,1985,80

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

DMS000 HR: 2
trans-1, 2-DIHYDROXY-anti-3, 4-EPOXY-1, 2, 3, 4-TETRAHYDROCHRYSENE

mf: C₁₈H₁₄O mw: 278.32

SYN: (+)-(E)-3, 4-EPOXY-1, 2, 3, 4-TETRAHYDRO-CHRYSENEDIOL

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

DMS200 CAS: 72074-67-0 HR: 2
(±)-1, β, 2, α-DIHYDROXY-3, α, 4, α-EPOXY-1, 2, 3, 4-TETRAHYDROCHRYSENE

mf: C₁₈H₁₄O₃ mw: 278.32

SYN: (±)-1, 2, 3, 4-TETRAHYDRO-3, α, 4, α-EPOXY-1, β, 2, α-CHRYSENEDIOL

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/L CRNGDP 6,237,85

mma-sat 1 nmol/plate CNREA8 39,4069,79

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

DMS400 CAS: 72074-66-9 HR: 2
(±)-1, β, 2, α-DIHYDROXY-3, β, 4, β-EPOXY-1, 2, 3, 4-TETRAHYDROCHRYSENE

mf: C₁₈H₁₄O₃ mw: 278.32

SYN: (±)-1, 2, 3, 4-TETRAHYDRO-3, β, 4, β-EPOXY-1, β, 2, α-CHRYSENEDIOL

TOXICITY DATA with REFERENCE:

mma-sat 1 nmol/plate CNREA8 39,4069,79

msc-ham:lng 1 nmol/plate CNREA8 39,4069,79

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

DMS430 CAS: 85057-68-7 HR: D
12,13-DIHYDROXY-10,11-EPOXY-10,11,12,13-TETRAHYDRODIBENZ(A,E)FLUORANTHENE

mf: C₂₄H₁₆O₃ mw: 352.40SYN: DIBENZ(1,2,4,5)ACEANTHRYLENO(9,10-B)OXIRENE-12,13-DIOL, 1A,12,13,13A-TETRAHYDRO-(1A- α ,12- α ,13- β ,13A- α)-**TOXICITY DATA with REFERENCE:**

dnd-unr-lym 178 nmol CRNGDP 4,27,1983

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

DMS480 CAS: 85057-67-6 HR: D
3,4-DIHYDROXY-1,2-EPOXY-1,2,3,4-TETRAHYDRODIBENZO(A,E)FLUORANTHENE

mf: C₂₄H₁₆O₃ mw: 352.40SYN: DIBENZ(2,3,4,5)ACEPHENANTHRYLENO(9,10-B)OXIRENE-7,8-DIOL, 5C,6A,7,8-TETRAHYDRO-(5C- α ,6A- α ,7- β ,8- α)-**TOXICITY DATA with REFERENCE:**

dnd-unr-lym 241 nmol CRNGDP 4,27,1983

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

DMS500 CAS: 78919-11-6 HR: D
(\pm)-1, β ,2- α -DIHYDROXY-3, α ,4- α -EPOXY-1,2,3,4-TETRAHYDRODIBENZO(a,h)PYRENE

mf: C₂₄H₁₆O₃ mw: 352.40SYN: (\pm)-3- α ,4- α -EPOXY-1,2,3,4-TETRAHYDROBENZO(b,def)CHRYSENE-1- β ,2- α -DIOL**TOXICITY DATA with REFERENCE:**

mmo-sat 150 pmol/L CRNGDP 6,237,85

msc-ham:lng 500 nmol/L CNREA8 41,2589,81

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

DMS530 CAS: 149559-16-0 HR: D
trans-7,8-DIHYDROXY-anti-9,10-EPOXY-7,8,9,10-TETRAHYDRO-3-NITROBENZO(a)-PYRENE

mf: C₂₀H₁₃NO₅ mw: 347.34SYN: BENZO(10,11)CHRYSENO(3,4-B)OXIRENE-7,8-DIOL, 7,8,8A,9A-TETRAHYDRO-3-NITRO-, (7- α ,8- β ,8A- α ,9A- α)-**TOXICITY DATA with REFERENCE:**msc-ham-ovr 30 μ g/ EMMUEG 27,19,1996

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

DMS550 CAS: 88598-54-3 HR: D
trans-7,8-DIHYDROXY-anti-9,10-EPOXY-7,8,9,10-TETRAHYDRO-1-NITROBENZO(a)-

PYRENEmf: C₂₀H₁₃NO₅ mw: 347.34SYN: BENZO(10,11)CHRYSENO(3,4-B)OXIRENE-7,8-DIOL, 7,8,8A,9A-TETRAHYDRO-1-NITRO-, (7- α ,8- β ,8A- α ,9A- α)-**TOXICITY DATA with REFERENCE:**add-ham-ovr 100 μ g/ MUREAV 379,43,1997msc-ham-ovr 30 μ g/ EMMUEG 27,19,1996

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

DMS600 CAS: 72074-68-1 HR: D
(\pm)-1, β ,2, β -DIHYDROXY-3, α ,4, α -EPOXY-1,2,3,4-TETRAHYDROPHENANTHRENE

mf: C₁₄H₁₂O₃ mw: 228.26**TOXICITY DATA with REFERENCE:**

mma-sat 1 nmol/plate CNREA8 39,4069,79

msc-ham:lng 1 nmol/plate CNREA8 39,4069,79

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

DMS800 CAS: 74465-39-7 HR: D
(+)-1, β ,2, α -DIHYDROXY-3, α ,4, α -EPOXY-1,2,3,4-TETRAHYDROTRIPHENYLENE

mf: C₁₈H₁₄O₃ mw: 278.2

SYN: TP DIOL EPOXIDE-2

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate CNREA8 40,1985,80

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

DMT000 CAS: 74465-38-6 HR: D
(+)-1, β ,2, α -DIHYDROXY-3, β ,4, β -EPOXY-1,2,3,4-TETRAHYDROTRIPHENYLENE

mf: C₁₈H₁₄O₃ mw: 278.2

SYN: TP DIOL-EPOXIDE-1

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate CNREA8 40,1985,80

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

DMT100 CAS: 1038-19-3 HR: D
2- β ,17- β -DIHYDROXY-2- α -ETHINYLA-NOR(5- α)ANDROSTANE

mf: C₂₀H₃₀O₂ mw: 302.50

SAFETY PROFILE: Experimental reproductive effects. A steroid. When heated to decomposition it emits acrid smoke and fumes.

DMT200 CAS: 17526-17-9 HR: D
1,3-DIHYDROXY-2-ETHOXYMETHYLANTHRAQUINONE

mf: C₁₇H₁₄O₅ mw: 298.31

PROP: Citron-yellow crystals from C₆H₆. Mp: 182–183° (decomp).

SYNS: 2-(ETHOXYMETHYL)-1,3-DIHYDROXY-9,10-ANTHRACENEDIONE □ LUCIDIN ETHYL ETHER

TOXICITY DATA with REFERENCE:mmo-sat 10 μ g/plate BCSTB5 5,1489,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMT400 CAS: 4500-29-2 HR: 2
N,N-DI(2-HYDROXYETHYL)CYCLOHEXYL-AMINE

mf: C₁₀H₂₁NO₂ mw: 187.32

SYNS: ABBOMEEN E-2 □ ABBOMEEN E-2 AEROSOL □ 2,2'-CYCLOHEXYLIMINODIETHANOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2600 mg/kg 34ZIAG -,61,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMT500 CAS: 150-25-4 HR: 2
N,N-DIHYDROXYETHYL GLYCINE

mf: C₆H₁₃NO₄ mw: 163.20

SYN: GLYCINE, N,N-DIHYDROXYETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1540 mg/kg REPMBN 10,391,62

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.

DMT800 CAS: 28005-74-5 HR: 2
DI-(HYDROXYETHYL)-o-TOLYLAMINE

mf: C₁₁H₁₇NO₂ mw: 195.29

SYNS: EMERY 5712 □ 2,2'-(2-METHYLPHENYL)IMINO)-BISETHANOL □ 2,2'-(o-TOYLYIMINO)DIETHANOL □ o-TOLYLDIETHANOLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,697,86

eye-rbt 750 µg/24H SEV 85JCAE -,697,86

orl-rat LDLo:2200 mg/kg AIHAAP 23,95,62

skn-rbt LDLo:1000 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 severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DMS900 CAS: 480-40-0 HR: D
5,7-DIHYDROXYFLAVONE

mf: C₁₅H₁₀O₄ mw: 254.25

SYNS: 4H-1-BENZOPYRAN-4-ONE, 5,7-DIHYDROXY-2-PHENYL- □ CHRYSIN □ 5,7-DIHYDROXY-2-PHENYL-4H-1-BENZOPYRAN-4-ONE □ FLAVONE, 5,7-DIHYDROXY-

TOXICITY DATA with REFERENCE:

dni-hmn-fbr 100 mg/L BCPA 6 33,3823,1984

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

DMS950 CAS: 134523-03-8 HR: D

β,Δ-DIHYDROXY-2-(4-FLUOROPHENYL)-5-(1-METHYLETHYL)-3-PHENYL-4-((PHENYL-AMINO)CARBOXY)-1H-PYRROLE-1-HEPTANOIC ACID, CALCIUM SALT (2:1), (R-(R*,R*))-

mf: C₆₆H₇₀F₂N₄O₁₀•Ca mw: 1157.48

SYNS: ATORVASTATIN CALCIUM □ CI-981 □ PD 134298-38A

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

DMU000 CAS: 1069-23-4 HR: 3
3,4-DIHYDROXY-1,5-HEXADIENE

mf: C₆H₁₀O₂ mw: 114.16

TOXICITY DATA with REFERENCE:

orl-rat LD50:1620 mg/kg AIHAAP 30,470,69

skn-rbt LD50:400 mg/kg AIHAAP 30,470,69

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.

DMU600 CAS: 481-72-1 HR: D
1,8-DIHYDROXY-3-HYDROXYMETHYL-ANTHRAQUINONE

mf: C₁₅H₁₀O₅ mw: 270.25

PROP: Orange needles from toluene. Mp: 221–223°.

SYNS: ALOE-EMODIN □ 1,8-DIHYDROXY-3-

(HYDROXYMETHYL)-9,10-ANTHRACENEDIONE □

HYDROXYMETHYLCHRYSAZIN □ RHABARBERONE

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate BCSTB5 5,1489,77

mma-sat 100 µg/plate BCSTB5 5,1489,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

DMV200 CAS: 485-47-2 HR: 3
2,2-DIHYDROXY-1,3-INDANDIONE

mf: C₉H₆O₄ mw: 178.15

PROP: Crystals. Pale yellow prisms. Turns reddish @ 125°, swells @ 139°, decomp @ 240°. Mp: 241–243° (becomes anhyd with reddening at 125–1°).

SYNS: 2,2-DIHYDROXY-1H-INDENE-1,3(2H)-DIONE □ 1,2,3-

INDANTRIONE-2-HYDRATE □ 1,2,3-INDANTRIONE

MONOHYDRATE □ NINHYDRIN □ NINHYDRIN HYDRATE □

TRIKETOHYDRINDENE HYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:250 mg/kg NCNSA6 5,28,53

ipr-mus LD50:78 mg/kg CRSBAW 151,719,57

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits acrid smoke and fumes.

DMV400 CAS: 99-11-6 HR: 2
2,6-DIHYDROXYISONICOTINIC ACID

mf: C₆H₅NO₄ mw: 155.12

PROP: Buff to gray powder. Microscopic plates from CHCl_3 ; crystals from H_2O . Sol in H_2O .

SYNS: CITRAZINIC ACID □ 2,6-DIHYDROXY-4-CARBOXYPYRIDINE □ KYSELINA CITRAZINOVA

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:800 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A moderately irritating organic acid with some allergenic properties. When heated to decomposition it emits toxic fumes of NO_x .

DMV500 CAS: 16899-81-3 HR: 3
3',4'-DIHYDROXY-2-(ISOPROPYLAMINO)-ACETOPHENONE HYDROCHLORIDE

mf: $\text{C}_{11}\text{H}_{15}\text{NO}_3 \cdot \text{ClH}$ mw: 245.73

SYNS: ACETOPHENONE, 3',4'-DIHYDROXY-2-(ISOPROPYLAMINO)-, HYDROCHLORIDE □ 3,4-DIHYDROXY- α -(ISOPROPYLAMINO)ACETOPHENONE HYDROCHLORIDE □ ETHANONE, 1-(3,4-DIHYDROXYPHENYL)-2-((1-METHYLETHYL)AMINO)-, HYDROCHLORIDE □ NSC 23623 □ U 12969A

TOXICITY DATA with REFERENCE:

ipr-mus LD50:470 mg/kg JPETAB 92,369,1948

ivn-mus LD50:75 mg/kg CSLNX* NX#07869

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x , HCl , and Cl_2 .

DMV600 CAS: 7683-59-2 HR: 3
3,4-DIHYDROXY- α -(ISOPROPYLAMINO)-METHYLBENZYL ALCOHOL

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

SYNS: A 21 □ ALEUDRIN □ ALUDRINE □ ASIPRENOL □ ASMALAR □ ASSIPRENOL □ BELLASTHMAN □ BRONKEPHRINE □ DIHYDROXYPHENYLETHANO-LISOPROPYLAMINE □ 1-(3,4-DIHYDROXYPHENYL)-2-ISOPROPYLAMINO-ETHANOL □ EPINEPHRINE ISOPROPYL HOMOLOG □ 4-(1-HYDROXY-2-((1-METHYLETHYL)AMINO)-ETHYL)-1,2-BENZENEDIOL □ IPA □ ISONORENE □ ISOPRENALINE □ ISOPROPYDRIN □ ISOPROPYLADREN-ALINE □ ISOPROPYLAMINOMETHYL-3,4-DIHYDRO-XYPHENYL CARBINOL □ α -(ISOPROPYLAMINO-METHYL)PROTocatechuyal ALCOHOL □ ISOPROPYL-ARTERENOL □ N-ISOPROPYL- β -DIHYDROXYPHENYL- β -HYDROXYETHYLAMINE □ ISOPROPYL NORADRENALINE □ N-ISOPROPYLNORADRENALINE □ 1-ISOPROPYLNOR-ADRENALINE □ ISOPROTERENOL □ 1-ISOPROTERENOL □ ISORENIN □ ISUPREL □ ISUPREN □ LOMUPREN □ NEODRENAL □ NEO-EPININE □ NORISODRINE □ NOVODRIN □ PROTERNOL □ RESPIFRAL □ SAVENTRINE □ VAPO-N-ISO □ WIN 5162

TOXICITY DATA with REFERENCE:

oms-rat-par 100 mg/kg BEXBAN 94,1458,82

dns-mus-ipr 341 mg/kg JCLBA3 56,605,73

ims-hmn TDLo:14 $\mu\text{g/kg}$:CVS KLWOAZ 19,1303,40

orl-rat LD50:355 mg/kg USXXAM #4026897

ipr-rat LDLo:100 mg/kg FCTXAV 3,597,65

scu-rat LD50:600 $\mu\text{g/kg}$ TOXID9 4,77,84

ivn-rat LD50:57 mg/kg TXAPA9 16,303,70

orl-mus LD50:450 mg/kg 27ZIAQ -,139,73

ipr-mus LD50:440 mg/kg JPETAB 164,290,68

scu-mus LD50:400 mg/kg ARZNAD 26,1404,76

ivn-mus LD50:83 mg/kg JPETAB 97,14,49
orl-dog LD50:600 mg/kg TXAPA9 8,353,66
ivn-dog LD50:50 mg/kg JPETAB 164,290,68
orl-rbt LD50:3070 mg/kg TXAPA9 8,353,66
ivn-rbt LD50:27 mg/kg TXAPA9 8,353,66
orl-gpg LD50:270 $\mu\text{g/kg}$ JPETAB 164,290,68
scu-gpg LD50:320 $\mu\text{g/kg}$ JPETAB 164,290,68

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. Human systemic effects by intramuscular route: increased pulse and cardiac rate. A bronchodilator. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

DMV800 CAS: 586-06-1 HR: 3
3,5-DIHYDROXY- α -(ISOPROPYLAMINO)-METHYLBENZYL ALCOHOL

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

SYNS: METAPROTERENOL □ ORCIPRENALINE

TOXICITY DATA with REFERENCE:

orl-man TDLo:286 $\mu\text{g/kg}$ AJMSA9 291,168,86

orl-rat LD50:3370 mg/kg TXAPA9 8,353,66

ivn-rat LD50:67,200 $\mu\text{g/kg}$ TXAPA9 8,353,66

ipr-mus LDLo:240 mg/kg APTOA6 31,33,72

scu-mus LD50:406 mg/kg ARZNAD 26,1404,76

ivn-mus LD50:86 mg/kg APTOA6 38,474,76

orl-dog LD50:125 mg/kg TXAPA9 8,353,66

ivn-dog LD50:30 mg/kg TXAPA9 8,353,66

orl-rbt LD50:3110 mg/kg TXAPA9 8,353,66

ivn-rbt LD50:81,300 $\mu\text{g/kg}$ TXAPA9 8,353,66

SAFETY PROFILE: Poison by ingestion, intraperitoneal and intravenous routes. Moderately toxic by subcutaneous route. Human reproductive effects by ingestion: changes in the uterus, cervix and vagina. When heated to decomposition it emits toxic fumes of NO_x .

DMW000 CAS: 7361-61-7 HR: 3
5,6-DIHYDRO-2-(2,6-XYLIDINO)-4H-1,3-THIAZINE

mf: $\text{C}_{12}\text{H}_{16}\text{N}_2\text{S}$ mw: 220.36

PROP: Crystals from C_6H_6 /pet ether. Sol in dil acids, C_6H_6 , Me_2CO , and CHCl_3 ; insol in H_2O .

SYNS: BAY 1470 □ BAY VA 1470 □ N-(5,6-DIHYDRO-4H-1,3-THIAZINYL)-2,6-XYLIDINE □ 2-(2,6-DIMETHYLANILINO)-5,6-DIHYDRO-4H-1,3-THIAZINE □ 2-(2,6-DIMETHYLPHENYLAMINO)-4H-5,6-DIHYDRO-1,3-THIAZINE □ N-(2,6-DIMETHYLPHENYL)-5,6-DIHYDRO-4H-1,3-THIAZIN-2-AMINE □ N-(2,6-DIMETHYLPHENYL)-5,6-DIHYDRO-4H-1,3-THIAZINE-2-AMINE (9CI) □ ROMPUN □ WH 7286 □ XYLAZINE (USDA) □ XYLZIN

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:8 mg/kg:BAH,CVS CTOXAO 18,663,81

ims-wmn TDLo:734 $\mu\text{g/kg}$:EYE,CVS AJEMEN 4,222,86

ims-wmn TDLo:22 mg/kg:BAH,CVS AJEMEN 4,222,86

orl-rat LD50:130 mg/kg DTTIAF 75,565,68

orl-mus LD50:240 mg/kg DTTIAF 75,565,68

scu-mus LD50:121 mg/kg DTTIAF 75,565,68

ivn-mus LD50:18 mg/kg CSLNX* NX#10054

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Human systemic effects: change in motor activity, fall in blood pressure, miosis, pleural thickening, pulse rate decrease,

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

DMW200 CAS: 526-84-1 HR: 3
DIHYDROXYMALEIC ACID

mf: $\text{C}_4\text{H}_4\text{O}_6$ mw: 148.07
 ($:\text{C}(\text{OH})\text{CO}\cdot\text{OH})_2$)

PROP: Plates.

SYN: DIHYDROXYBUTENEDIOIC ACID

SAFETY PROFILE: A storage hazard. It may explode in a sealed container. Slowly decomposes to release carbon dioxide. When heated to decomposition it emits acrid smoke and fumes.

DMW250 CAS: 131-53-3 HR: D
2,2'-DIHYDROXY-4-METHOXYBENZOPHENONE

mf: $\text{C}_{14}\text{H}_{12}\text{O}_4$ mw: 244.26

SYNS: ADVASTAB 47 \square BENZOPHENONE-8 \square BENZOPHENONE, 2,2'-DIHYDROXY-4-METHOXY- \square CYASORB UV 24 \square CYASORB UV 24 LIGHT ABSORBER \square DIOXYBENZON \square DIOXYBENZONE \square METHANONE, (2-HYDROXY-4-METHOXYPHENYL)(2-HYDROXYPHENYL)-(PCI) \square SPECTRA-SORB UV 24 \square UF 2 \square UV 24

TOXICITY DATA with REFERENCE:

mma-sat 12,500 $\mu\text{g}/\text{L}$ ENMUDM 4,340,82
 mma-sat 3 $\mu\text{g}/\text{plate}$ ENMUDM 8(Suppl 7),1,86
 mma-mus:lyms 32 $\mu\text{g}/\text{plate}$ JACTDZ 2(5),35,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DMW300 CAS: 15893-52-4 HR: D
2,4-DIHYDROXY-7-METHOXY-1,4-BENZOXAZINONE

mf: $\text{C}_9\text{H}_9\text{NO}_5$ mw: 211.19

SYNS: 2H-1,4-BENZOXAZIN-3(4H)-ONE, 2,4-DIHYDROXY-7-METHOXY- \square 2,4-DIHYDROXY-7-METHOXY-2H,1,4-BENZOXAZIN-3(4H)ONE \square DIMBOA

TOXICITY DATA with REFERENCE:

mic-sat 500 $\mu\text{Lg}/\text{plate}$ MUREAV 66,191,1979

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

DMX000 CAS: 69260-83-9 HR: 2
(E)-3,4-DIHYDROXY-7-METHYL-3,4-DIHYDROBENZ(a)ANTHRACENE-12-METHANOL

mf: $\text{C}_{20}\text{H}_{18}\text{O}_3$ mw: 306.38

SYNS: trans-3,4-DIHYDRO-12-(HYDROXYMETHYL)-7-METHYLBENZ(a)ANTHRACENE-3,4-DIOL \square trans-3,4-DIHYDROXY-3,4-DIHYDRO-7-METHYL-12-HYDROXY-METHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

mma-sat 35 nmol/plate CNREA8 40,3661,80
 mma-ham:lng 400 nmol/L PNASA6 76,862,79

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

DMX200 CAS: 2318-18-5 HR: 3
2,12-DIHYDROXY-4-METHYL-11,16-DIOXOSENECIONANIUM

mf: $\text{C}_{19}\text{H}_{28}\text{NO}_6$ mw: 366.48

PROP: Bevelled plates from EtOAc or Me_2CO . Mp: 196.5–197.5°.

SYNS: trans-15-ETHYLIDENE-12- β -HYDROXY-4,12- α ,13- β -TRIMETHYL 8-OXO-4,8 SECOSENEC-1-ENINE \square 12-HYDROXY-4-METHYL-4,8-SECOSENECIONAN-8,11,16-TRIONE \square NSC-89945 \square RENARDIN \square RENARDINE \square SENKIRKIN \square SENKIRKINE

TOXICITY DATA with REFERENCE:

mma-sat 1 mg/plate MUREAV 68,211,79
 sln-dmg-orl 10 $\mu\text{mol}/\text{L}/3\text{D-I}$ FCTOD7 22,223,84
 dns-rat:lvrl 2 $\mu\text{mol}/\text{L}$ CNREA8 45,3125,85
 dns-mus:lvrl 20 $\mu\text{mol}/\text{L}$ CNREA8 45,3125,85
 dns-ham:lvrl 2 $\mu\text{mol}/\text{L}$ CNREA8 45,3125,85
 sce-ham:lng 60 $\mu\text{g}/\text{L}$ MUREAV 142,209,85
 orl-rat LDLo:200 mg/kg NATUAS 227,401,70
 ipr-rat LD50:220 mg/kg JJIND8 63,469,79

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 31,231,83; Animal Inadequate Evidence IMEMDT 10,327,76.

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

DMX300 CAS: 122129-97-9 HR: D
2,4-DIHYDROXYMETHYLENE-3-(2,2-DIMETHOXYETHYL)GLUTARALDEHYDE

mf: $\text{C}_{11}\text{H}_{16}\text{O}_6$ mw: 244.24

SYN: PENTANEDIAL, 3-(2,2-DIMETHOXYETHYL)-2,4-BIS(HYDROXYMETHYLENE)-

TOXICITY DATA with REFERENCE:

mic-sat 7.5 $\mu\text{mol}/\text{plate}/48\text{H}$ MUREAV 497,153,2001

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

DMX800 CAS: 2033-94-5 HR: 3
3,4-DIHYDROXY-3-METHYL-4-PHENYL-1-BUTYNE

mf: $\text{C}_{11}\text{H}_{12}\text{O}_2$ mw: 176.23

SYNS: 3-METHYL-3,4-DIHYDROXY-4-PHENYL-BUTIN-1 (GERMAN) \square 3-METHYL-3,4-DIHYDROXY-4-PHENYL-1-BUTYNE \square 2-METHYL-1-PHENYL-3-BUTYNE-1,2-DIOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:730 mg/kg NYKZAU 64,351,68
 scu-rat LD50:610 mg/kg NYKZAU 64,351,68
 orl-mus LD50:710 mg/kg ARZNAD 13,728,63
 ivn-mus LD50:240 mg/kg ARZNAD 13,728,63

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous and ingestion routes. When heated to decomposition it emits acrid smoke and fumes. See also ACETYLENE COMPOUNDS.

DMX900 CAS: 75464-12-9 HR: 1
1,8-DIHYDROXY-10-(1-OXOPENTYL)-9(10H)-ANTHRACENONE

mf: C₁₉H₁₈O₄ mw: 310.35**TOXICITY DATA with REFERENCE:**

skn-hmn 5%/24H ADEVE* 60,169,1980

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**DMZ000 CAS: 2277-92-1 HR: 3
2,2'-DIHYDROXY-3,3',5,5',6-PENTACHLORO-BENZANILIDE**mf: C₁₃H₆Cl₅NO₃ mw: 401.45**PROP:** Cream-colored powder. Mp: 209–211°.**SYNS:** DIPLIN □ ICI 46638 □ OXYCLOZANID □ OXYCLOZANIDE □ 3,5,6,3',5'-PENTACHLORO-2,2'-DIHYDROXYBENZANILIDE □ 3,3',5,5',6-PENTACHLORO-2,2'-DIHYDROXYBENZANILIDE □ 3,3',5,5',6-PENTACHLORO-2'-HYDROXY-SALICYLANILIDE □ 2,3,5-TRICHLORO-N-(3,5-DICHLORO-2-HYDROXYPHENYL)-6-HYDROXYBENZAMIDE □ ZANIL □ ZANILOX**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1000 mg/kg NATUAS 210,744,66

orl-dom LDLo:60 mg/kg VETRAX 78,267,66

orl-ctl LDLo:60 mg/kg VETRAX 78,267,66

ivn-dom LDLo:10 mg/kg VETRAX 78,267,66

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**DNA200 CAS: 59-92-7 HR: 3
1-DIHYDROXYPHENYL-L-ALANINE**mf: C₉H₁₁NO₄ mw: 197.21**PROP:** Prisms or needles from H₂O + SO₂; plates from EtOH (aq). Mp: 285.5° (decomp).**SYNS:** 2-AMINO-3-(3,4-DIHYDROXYPHENYL)PROPANOIC ACID □ BENDOPA □ BIODOPA □ BROCADOPA □ CEREPAP □ CIDANDOPA □ DA □ DEADOPA □ DIHYDROXY-L-PHENYLALANINE □ (-)-3-(3,4-DIHYDROXYPHENYL)-L-ALANINE □ β-(3,4-DIHYDROXYPHENYL)-α-ALANINE □ 1-α-DIHYDROXYPHENYLALANINE □ 1-β-(3,4-DIHYDROXY-PHENYL)ALANINE □ 1-3,4-DIHYDROXYPHENYL-α-ALANINE □ β-(3,4-DIHYDROXYPHENYL)-L-ALANINE □ 3-(3,4-DIHYDROXYPHENYL)-L-ALANINE □ 3,4-DIHYDROXYPHENYLALANINE □ (-)-3,4-DIHYDROXYPHENYLALANINE □ 3,4-DIHYDROXY-PHENYL-L-ALANINE □ 3,4-DIHYDROXY-L-PHENYLALANINE □ 1-3,4-DIHYDROXYPHENYLALANINE □ (-)-DOPA □ 1-DOPA □ DOPAFLEX □ DOPAL □ DOPARKINE □ DOPASOL □ DOPRIN □ ELDOPAL □ EURODOPA □ HELFO DOPA □ 1-α-HYDROXY-TYROSINE □ 3-HYDROXY-L-TYROSINE □ INSULAMINA □ LARODOPA □ MAIPEDOPA □ PARDA □ RO 4-6316 □ SOBIODOPA □ VELDOPA**TOXICITY DATA with REFERENCE:**

dnr-bcs 500 µg/disc MUREAV 137,17,84

dni-hmn:fbr 3 mmol/L CNREA8 42,3783,82

orl-man TDLo:87,520 mg/kg/1.5Y-C:CAR,SKN NEURAI 24,340,74

orl-wmn TDLo:320 mg/kg/4D-I AHJOA2 110,488,85

orl-hmn TDLo:156 g/kg/10Y:CNS JNNPAU 34,502,71

orl-hmn TDLo:13 g/kg/1Y:CNS,PUL JNNPAU 34,668,71

orl-rat LD50:1780 mg/kg TXAPA9 28,1,74

ipr-rat LD50:624 mg/kg TXAPA9 28,1,74

orl-mus LD50:2363 mg/kg TXAPA9 28,1,74

ipr-mus LD50:588 mg/kg TXAPA9 28,1,74

scu-mus LD50:4449 mg/kg IYKEDH 3,186,72

ivn-mus LD50:450 mg/kg TXAPA9 28,1,74

orl-rbt LD50:609 mg/kg TXAPA9 28,1,74

orl-bwd LD50:100 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intravenous and intraperitoneal routes. Human systemic effects by ingestion: somnolence, hallucinations and distorted perceptions, toxic psychosis, motor activity changes, ataxia, dyspnea. Experimental teratogenic and reproductive effects. Questionable human carcinogen producing skin tumors. Human mutation data reported. An anticholinergic agent used as an anti-Parkinsonian drug. When heated to decomposition it emits toxic fumes of NO_x.**DNA300 CAS: 65561-73-1 HR: D
3,4-DIHYDROXYPHENYLGLYOXIME**mf: C₈H₈N₂O₄ mw: 196.18**SYN:** DPG**TOXICITY DATA with REFERENCE:**

dnd-omi 250 µmol/L ABCHA6 42,1019,78

dnd-hmn:hla 250 µmol/L ABCHA6 42,1019,78

dnd-rat:lng 250 µmol/L ABCHA6 42,1019,78

SAFETY PROFILE: Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**DNA600 CAS: 13055-82-8 HR: 3
7-(3-(2-(3,5-DIHYDROXYPHENYL-2-HYDROXY-ETHYLAMINO)PROPYL))THEOPHYLLINE HYDROCHLORIDE**mf: C₁₈H₂₃N₅O₅•ClH mw: 425.92**PROP:** Crystals. Mp: 249–250°.**SYNS:** BRONCHODIL □ BRONCHOSPASMIN □ REPROTEROL HYDROCHLORIDE □ 7-(3-(β,3,5-TRIHYDROXYPHENETHYL)-AMINO)PROPYL)THEOPHYLLINE MONOHYDROCHLORIDE □ W-2946M**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:142 mg/kg ARZNAD 27,45,77

ivn-mus LD50:148 mg/kg ARZNAD 27,45,77

ivn-dog LD50:160 mg/kg ARZNAD 27,45,77

SAFETY PROFILE: Poison by intravenous route. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of HCl and NO_x. See also THEOPHYLLINE.**DNA800 CAS: 555-30-6 HR: 3
1-(-)-3-(3,4-DIHYDROXYPHENYL)-2-METHYLALANINE**mf: C₁₀H₁₃NO₄ mw: 211.24**PROP:** Crystals. Sol in isopropanol, EtOH, and H₂O.**SYNS:** ALDOMET □ ALDOMETIL □ ALDOMIN □ ALPHA MEDOPA □ AMD □ BAYER 1440 L □ BAYPRESOL □ 1-(-)-β-(3,4-DIHYDROXYPHENYL)-α-METHYLALANINE □ DOPAMET □ DOPEGYT □ DOPTAEC □ 3-HYDROXY-α-METHYL-L-TYROSINE □ HYPERPAX □ 1-(α-MD) □ MEDOMET □ MEDOPREN □ METHOPLAIN □ α-METHYL-L-3,4-DIHYDROXYPHENYLALANINE □ α-METHYL-β-(3,4-DIHYDROXYPHENYL)-L-ALANINE □ 1-α-METHYL-3,4-DIHYDROXYPHENYLALANINE □ 1-(-)-α-METHYL-β-(3,4-DIHYDROXYPHENYL)ALANINE □ METHYLDOPA □ α-

METHYL-L-DOPA □ L- α -METHYLDOPA □ MK. B51 □ MK 351 □
 NCI-C55721 □ NR.C 2294 □ PRESINOL □ PRESOLISIN □
 SEDOMETIL □ SEMBRINA

TOXICITY DATA with REFERENCE:

dlt-mus-orl 960 mg/kg CYTBAI 41,151,84
 cyt-ham:lng 37 mg/L GMCRDC 27,95,81
 orl-wmn TDLo:900 mg/kg/13W-I NEURAI 35,1668,85
 orl-wmn TDLo:1830 mg/kg/17W-I:PNS SAMJAF
 65,194,84
 orl-man TDLo:1071 mg/kg/22W-I:SKN CUTIBC
 38,187,86
 orl-wmn TDLo:44 g/kg/3Y-I:GIT AHJOA2 105,1037,83
 orl-rat LD50:5000 mg/kg 27ZQAG -,348,72
 ipr-rat LD50:300 mg/kg 27ZQAG -,348,72
 ipr-mus LD50:150 mg/kg JMCMA 20,1378,77
 ivn-mus LD50:1700 mg/kg NYKZAU 56,1103,60
 orl-rbt LD50:713 mg/kg 27ZIAQ -,162,73
 ivn-rbt LD50:713 mg/kg 27ZQAG -,348,72

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and intravenous routes. Human systemic effects by ingestion: fasciculations, hallucinations, distorted perceptions, tremors, allergic dermatitis, necrotic gastrointestinal changes. An experimental teratogen. Human reproductive effects: menstrual cycle changes or disorders, effects on newborn including abnormal neonatal measures and growth statistics, biochemical and metabolic changes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

DNA850 CAS: 27953-64-6 HR: 3 17- α ,21-DIHYDROXY-14- α -PREGN-4-ENE-3,20-DIONE 21-iodoacetate

mf: C₂₃H₃₁IO₅ mw: 514.44

SYN: 14- α -PREGN-4-ENE-3,20-DIONE, 17- α ,21-DIHYDROXY-, 21-iodoacetate

TOXICITY DATA with REFERENCE:

ivn-cat LDLo:5 mg/kg JMCMA 13,657,1970

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of I₂.

DNB000 CAS: 2589-47-1 HR: 3 17R,21- α -DIHYDROXY-4-PROPYLAJMALANIUM HYDROGEN TARTRATE

mf: C₂₃H₃₂N₂O₂•C₄H₆O₆ mw: 518.67

PROP: Crystals from EtOH/Et₂O. Mp: 149–152°.

SYNS: GT-1012 □ NEO-GILURYTAL □ NPA □ PRAJMALINE BITARTRATE □ PRAJMALINE HYDROGEN TARTRATE □ N-PROPYLAJMALINE BITARTRATE □ N-PROPYLAJMALINIUM HYDROGEN TARTRATE □ N-PROPYLAJMALINIUM BITARTRATE □ N-PROPYLAJMALINIUMHYDROGEN TARTRAT (GERMAN) □ N⁴-PROPYLAJMALINIUM HYDROGEN TARTRATE

TOXICITY DATA with REFERENCE:

orl-wmn LDLo:22 mg/kg ARTODN 37,135,77
 orl-man TDLo:1400 μ g/kg:CNS BMJOAE 2,675,77
 orl-rat LD50:54 mg/kg ARZNAD 22,2085,72
 ivn-rat LD50:3400 μ g/kg ARZNAD 22,2085,72
 orl-mus LD50:43 mg/kg MEIEDD 10,1107,83

ivn-mus LD50:1700 μ g/kg MEIEDD 10,1107,83

SAFETY PROFILE: Poison by ingestion and intravenous routes. An experimental teratogen. Human systemic effects by ingestion: hallucinations and distorted perceptions. Experimental reproductive effects. An antiarrhythmic agent. When heated to decomposition it emits toxic fumes of NO_x.

DNB200 CAS: 53609-64-6 HR: 3 DI(2-HYDROXY-n-PROPYL)AMINE

mf: C₆H₁₄N₂O₃ mw: 162.22

SYNS: BHP □ N-BIS(2-HYDROXYPROPYL)NITROSAMINE □ 2,2'-BISHYDROXYPROPYLNITROSAMINE □ DHPN □ 2,2'-DIHYDROXY-DI-n-PROPYLNITROSAMINE □ N,N-DI-(2-HYDROXYPROPYL)NITROSAMINE □ DIISOPROPANOLNITROSAMINE □ DIPN □ N-NITROSOBIS(2-HYDROXYPROPYL)AMINE □ N-NITROSO-N,N-DI(2-HYDROXYPROPYL)AMINE □ N-NITROSO-1,1'-IMINODI-2-PROPANOL □ 1,1'-NITROSOIMINODI-2-PROPANOL

TOXICITY DATA with REFERENCE:

mma-sat 250 μ g/plate MUREAV 111,135,83
 otr-hmn:oth 5 mg/L BANRDU 12,15,82
 dns-rat:lv 5 mmol/L MUREAV 144,197,85
 msc-ham:lng 700 μ mol/L CNREA8 40,3463,80
 scu-ham TDLo:100 mg/kg (14D post):NEO,TER
 ZEKBAI 90,119,77
 scu-rat LD50:5000 mg/kg JJIND8 63,181,79
 scu-mus LD50:5160 mg/kg CALEDQ 9,257,80
 scu-gpg LD50:4900 mg/kg JNCIAM 58,387,77

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Moderately toxic by subcutaneous route. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

DNB600 CAS: 33372-40-6 HR: 2 4-(2,3-DIHYDROXYPROPYLAMINO)-2-(5-NITRO-2-THIENYL)QUINAZOLINE

mf: C₁₅H₁₄N₄O₄S mw: 346.39

TOXICITY DATA with REFERENCE:

mmo-sat 1 μ g/plate CNREA8 35,3611,75

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

DNB700 CAS: 103476-61-5 HR: D (R)-2',3'-DIHYDROXYPROPYL-5-DEOXY-5-DIMETHYLARSINOYL- β -D-RIBOSIDE

mf: C₁₀H₂₁AsO₇ mw: 328.23

SYNS: ARSENOSUGAR □ β -D-RIBOFURANOSIDE, 2,3-DIHYDROXYPROPYL-5-DEOXY-5-(DIMETHYLARSINYL)-, (R)- □ (R)-2,3-DIHYDROXYPROPYL-5-DEOXY-5-(DIMETHYLARSINYL) β -D-RIBOFURANOSIDE □ MAKONBU M1

TOXICITY DATA with REFERENCE:

cyt-hmn-fbr 15 mmol/L MUREAV 357,123,1996

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

DNC000 CAS: 479-18-5 HR: 3

7-(2,3-DIHYDROXYPROPYL)THEOPHYLLINEmf: C₁₀H₁₄N₄O₄ mw: 254.28

SYNS: AFI-PHYLLIN □ ARISTOPHYLLIN □ ASTMAMASIT □ ASTROPHYLLIN □ CIRCAIN □ CIRCAIR □ CORONAL □ CORONARIN □ CORPHYLLIN □ COR-THEOPHYLLINE □ 7-(2,3-DIHYDROXYPROPYL)-3,7-DIHYDRO-1,3-DIMETHYL-1H-PURINE-2,5-DIONE □ DIHYDROXYPROPYL THEOPHYLLIN (GERMAN) □ DIHYDROXYPROPYL THEOPHYLLINE □ (1,2-DIHYDROXY-3-PROPYL)THIOPHYLLIN □ DILOR □ 1,3-DIMETHYL-7-(2,3-DIHYDROXYPROPYL)XANTHINE □ 7-(2,3-DIOXYPROPYL)THEOPHYLLINE □ DIPHYLLIN □ DIPROFILLIN □ DIPROFILLINE □ DIPROPHYLLIN □ DIPROPHYLLINE □ DT □ DYPHYLLINE □ GLYFYLLIN □ GLYPHYLLIN □ GLYPHYLLINE □ HIDROXITEOFILLINA □ HIPHYLLIN □ HYPHYLLINE □ LUFYLLIN □ NEOPHYLLIN □ NEOPHYLLINE □ NEOPHYLLIN M □ NEOSTENOVASAN □ NEOTHYLLINE □ NEOTILINA □ NEO-VASOPHYLINE □ NEUFIL □ NEUTRAFIL □ NEUTRAFILLINA □ NEUTRAPHYLLIN □ NEUTRAPHYLLINE □ NEUTROXANTINA □ PROPYLPHYLLIN □ PROTHEOPHYLLINE □ PURIFILIN □ SIBEPHYLLIN □ SIBEPHYLLINE □ SOLUFILIN □ SOLUFYLLIN □ SYNTHOPHYLLINE □ TEFILAN □ THEAL □ THEAL AMPULES □ THEFYLAN

TOXICITY DATA with REFERENCE:

scu-rat LD50:1253 mg/kg AEPPAE 230,194,57
 ivn-rat LD50:860 mg/kg AEPPAE 230,194,57
 orl-mus LD50:1954 mg/kg JPETAB 116,343,56
 ipr-mus LD50:1052 mg/kg ARZNAD 8,190,58
 scu-mus LD50:120 mg/kg ARZNAD 6,601,56
 ivn-mus LD50:1080 mg/kg RPOBAR 2,288,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion, intraperitoneal, and intravenous routes. A smooth muscle relaxant. When heated to decomposition it emits toxic fumes of NO_x. See also THEOPHYLLINE.

DNC100 CAS: 83480-29-9 HR: 1 N-(1,3-DIHYDROXY-2-PROPYL)VALIOLAMINEmf: C₁₀H₂₁NO₇ mw: 267.32

SYNS: AO 128 □ 2,3-DIDEOXY-2-((2-HYDROXY-1-(HYDROXYMETHYL)ETHYL)AMINO)-4-C-(HYDROXYMETHYL)-EPI-INOSITOL □ 5-(2-HYDROXY-1-(HYDROXYMETHYL)ETHYL)AMINO-1-C-(HYDROXYMETHYL)-1,2,3,4-CYCLOHEXANETETROL □ A 71100 □ BASEN □ EPI-INOSITOL, 2,3-DIDEOXY-2-((2-HYDROXY-1-(HYDROXYMETHYL)ETHYL)AMINO)-4-C-(HYDROXYMETHYL)- □ GLUSTAT □ VOGLIBOSE

TOXICITY DATA with REFERENCE:

orl-rat LD50:20 g/kg IYKEDH 25,815,1994
 ivn-rat LD50:6300 mg/kg IYKEDH 25,815,1994
 orl-mus LD50:14,700 mg/kg IYKEDH 25,815,1994
 ivn-mus LD50:7820 mg/kg IYKEDH 25,815,1994
 orl-dog LD50:>2 g/kg IYKEDH 25,815,1994

SAFETY PROFILE: Low toxicity by ingestion and intravenous routes. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x.

DNC200 CAS: 59-00-7 HR: 2 4,8-DIHYDROXYQUINALDIC ACIDmf: C₁₀H₇NO₄ mw: 205.18

PROP: Sulfur-yellow crystals. Mp: 286°. Insol in water; sol in aqueous alkali, hydroxides, and hot dil HCl.

SYNS: 4,8-DIHYDROXYQUINALDINIC ACID □ 4,8-DIHYDROXYQUINOLINE-2-CARBOXYLIC ACID □ XANTHURENIC ACID

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

DNC300 CAS: 116962-66-4 HR: D 4,4'-((1,8-DIHYDROXY-4-SULFONAPHTHALENE-2,7-DIYL)BIS(AZO-4,1-PHENYLENE-AZO))BIS(1-HYDROXY-2-NAPHTHALENE-CARBOXYLIC ACIDmf: C₄₄H₂₈N₈O₁₁S mw: 876.86**TOXICITY DATA with REFERENCE:**

mic-sat 100 µLg/plate MUTAEX 3,311,1988

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

DNC400 CAS: 66788-03-2 HR: 2 trans-9,10-DIHYDROXY-9,10,11,12-TETRAHYDROBENZO(e)PYRENEmf: C₂₀H₁₆O₂ mw: 288.36**SYN:** B(E)P H4-9,10-DIOL**TOXICITY DATA with REFERENCE:**

mma-sat 10 nmol/plate JBCHA3 254,4408,79

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

DNC600 CAS: 73771-79-6 HR: 2 trans-1,2-DIHYDROXY-1,2,3,4-TETRAHYDROCHRYSENEmf: C₁₈H₁₆O₂ mw: 264.34**SYN:** trans-1,2,3,4-TETRAHYDROCHRYSENE-1,2-DIOL

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

DNC800 CAS: 70443-38-8 HR: 2 trans-3,4-DIHYDROXY-1,2,3,4-TETRAHYDRODIBENZ(a,h)ANTHRACENEmf: C₂₂H₁₈O₂ mw: 314.40**SYN:** trans-3,4-DIHYDROXY-1,2,3,4-TETRAHYDRODIBENZO(a,h)ANTHRACENE**TOXICITY DATA with REFERENCE:**

mma-sat 60 µg/plate MUREAV 96,1,82

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

DND000 CAS: 74444-58-9 HR: D trans-1,2-DIHYDROXY-1,2,3,4-TETRAHYDROTRIPHENYLENEmf: C₁₈H₁₆O₂ mw: 264.2**SYN:** TP H4-1,2-DIOL**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate CNREA8 40,1985,80

mna-sat 1 nmol/plate CNREA8 40,1985,80

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

DND400 CAS: 1246-87-3 HR: 3
1,1'-(2,3-DIHYDROXYTETRAMETHYLENE)BIS(4-FORMYLPYRIDINIUM) DIPERCHLORATE, DIOXIME

mf: $C_{16}H_{20}N_4O_4 \cdot 2ClO_4$ mw: 531.30

SYN: 1,4-BIS(4-HYDROXYIMINOMETHYL-PYRIDINIUM-(1))BUTANEDIOL(2,3)-DIPERCHLORAT (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:190 mg/kg ARZNAD 14,870,64

ivn-mus LD50:65 mg/kg ARZNAD 14,870,64

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

DND900 HR: 3
5,7-DIHYDROXYTETRAZOLO(1,5-a)PYRIDINE-6-CARBONITRILE

mf: $C_6H_3N_5O_2$ mw: 177.14

SYNS: 5,7-DIHYDROXY-PYRIDOTETRAZOLE-6-CARBONITRILE □ 1,3-DIOXY-2-NICOTINSAEURENITRIL-TETRAZOL (GERMAN)

TOXICITY DATA with REFERENCE:

scu-mus LDLo:500 mg/kg BDVU** -,37

scu-gpg LDLo:346 mg/kg BDVU** -,37

scu-frg LDLo:3800 mg/kg BDVU** -,37

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

DNE000 CAS: 488-17-5 HR: 3
2,3-DIHYDROXYTOLUENE

mf: $C_7H_8O_2$ mw: 124.15

SYNS: 3-METHYL-1,2-BENZENEDIOL □ 3-METHYLCATECHOL □ 3-METHYLPYROCATACHOL □ 2,3-TOLUENEDIOL

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#07878

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNE200 CAS: 452-86-8 HR: D
3,4-DIHYDROXYTOLUENE

mf: $C_7H_8O_2$ mw: 124.15

PROP: Prisms from C_6H_6 . Mp: 65°, bp: 251°.

SYNS: HOMOCATECHOL □ HOMOPYROCATACHOL □ 4-METHYL-1,2-BENZENEDIOL □ 4-METHYLCATECHOL □ p-METHYLPYROCATACHOL □ 4-METHYLPYROCATACHOL □ TOLUENE-3,4-DIOL

TOXICITY DATA with REFERENCE:

mrc-smc 300 mg/L MUREAV 135,109,84

cyt-ham:ovr 10 mg/L CALEDQ 14,251,81

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

DNE400 CAS: 3468-11-9 HR: 2
1,3-DIIMINOISOINDOLINE

mf: $C_8H_7N_3$ mw: 145.18

PROP: Yellow crystals. Mp: 199° (decomp). Sol in alcohols, acids; sltly sol in H_2O .

SYNS: AFASTOGEN BLUE 5040 □ 1,3-DIIMINOISOINDOLIN (CZECH) □ FASTOGEN BLUE FP-3100 □ FASTOGEN BLUE SH-100 □ MODR FRALOSTANOVA 3G (CZECH) □ PHTHALIMID-IMIDE □ PHTHALOCYANINE BLUE 01206 □ PHTHALOGEN

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,143,72

eye-rbt 250 µg/24H SEV 28ZPAK -,143,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNE500 CAS: 624-74-8 HR: 3
DIIDOACETYLENE

mf: C_2I_2 mw: 277.83

PROP: Needles from ligroin. Mp: 76.0–76.5°

SYNS: DIIDOETHYNE □ ETHYNE, DIIDO-

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An explosive sensitive to impact, crushing, or heating to 84°C. When heated to decomposition it emits toxic fumes of I^- . See also IODIDES and ACETYLENE COMPOUNDS.

DNE600 HR: 3
DIIDOAMINE

mf: HI_2N mw: 268.82

SYNS: DIIODAMINE □ IODIMIDE

SAFETY PROFILE: An explosive formed by reaction of nitrogen triiodide with water. When heated to decomposition it emits toxic fumes of I^- and NO_x . See also IODIDES and AMINES.

DNE700 CAS: 615-42-9 HR: 3
1,2-DIODOBENZENE

mf: $C_6H_4I_2$ mw: 329.91

PROP: Plates or prisms from pet ether. Mp: 27°, bp: 286–287°.

SAFETY PROFILE: Explodes violently when heated to 181°C in a sealed container. When heated to decomposition it emits toxic fumes of I^- . See also IODIDES.

DNE800 CAS: 4460-32-6 HR: 2
N-2,5-DIODOBENZOYL-N',N',N'',N''-DIETHYL-ENEPHOSPHORTRIAMIDE

mf: $C_{11}H_{12}I_2N_3O_2P$ mw: 503.03

SYNS: p,p-BIS(1-AZIRIDINYL)-2,5-DIODOBENZOYLPHOSPINIC AMIDE □ N-(BIS(1-AZIRIDINYL)PHOSPHINYL)-2,5-DIODOBENZAMIDE □ DIHODBENZOTEPH □ DIHODBENZOTEF

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg PCJOAU 12,689,78

ipr-rat LD50:500 mg/kg RPTOAN 41,135,78

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO_x , NO_x , and I^- .

DNE875 CAS: 53214-97-4 HR: 3
1,4-DIIODO-1,3-BUTADIYNE

mf: C_4I_2 mw: 174.95



SAFETY PROFILE: A solid. Mp: 94–95°. Explodes at 100°C. When heated to decomposition it emits toxic fumes of I^- . See also IODIDES.

DNE900 CAS: 117900-35-3 HR: 2
2,2'-DIIODODIACETAMIDE

mf: $\text{C}_4\text{H}_5\text{I}_2\text{NO}_2$ mw: 352.90

SYNS: CP 50296 □ DIACETAMIDE, 2,2'-DIIODO- □ α,α' -DIIODODIACETAMIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD NTIS** OTS0571523

orl-rat LD50:650 mg/kg NTIS** OTS0571523

skn-rbt LD50:>2 g/kg NTIS** OTS0571523

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A mild skin irritant. When heated to decomposition it emits toxic vapors of NO_x and I^- .

DNF000 CAS: 15978-93-5 HR: 2
cis-DIIODODIAMMINEPLATINUM (II)

mf: $\text{H}_6\text{I}_2\text{N}_2\text{Pt}$ mw: 482.97

PROP: IDLH 4 mg/ m^3 (as Pt).

TOXICITY DATA with REFERENCE:

pic-esc 1 $\mu\text{g}/\text{plate}$ BBRC9 90,209,79

idr-hmn TDLo:40 mg/kg;SKN CNREA8 35,2766,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human systemic effects by intradermal route: unspecified effects on the skin. Mutation data reported. When heated to decomposition it emits very toxic fumes of I^- and NO_x . See also IODIDES and PLATINUM COMPOUNDS.

DNF200 CAS: 1955-21-1 HR: 3
2,6-DIIODOHYDROQUINONE

mf: $\text{C}_6\text{H}_4\text{I}_2\text{O}_2$ mw: 361.90

PROP: Needles from H_2O . Mp: 144–145°.

SYNS: 2,6-DIIODO-1,4-BENZENEDIOL □ 2,6-DIIODOQUINOL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:237 mg/kg BCPA6 12,885,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of I^- .

DNF300 CAS: 618-76-8 HR: 2
3,5-DIIODO-4-HYDROXYBENZOIC ACID

mf: $\text{C}_7\text{H}_4\text{I}_2\text{O}_3$ mw: 389.91

SYN: BENZOIC ACID, 3,5-DIIODO-4-HYDROXY-

TOXICITY DATA with REFERENCE:

orl-rat LD:>500 mg/kg NCNSA6 5,20,53

orl-mus LD50:4 g/kg JAPMA8 43,495,54

ipr-mus LD50:1000 mg/kg JMPACS 2,213,60

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 I^- .

DNF400 CAS: 2961-61-7 HR: 3
3,5-DIIODO-4-HYDROXYBENZONITRILE, LITHIUM SALT

mf: $\text{C}_7\text{H}_2\text{I}_2\text{NO}\cdot\text{Li}$ mw: 376.84

SYNS: BENTROL □ CERTOL □ 4-CYANO-2,6-DIJODPHENOL LITHIUMSALZ (GERMAN) □ 3,5-DIJOD-4-HYDROXY-BENZONITRILE LITHIUMSALZ (GERMAN) □ IOXYNIL, LITHIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:71 mg/kg RREVAH 10,97,65

skn-rat LD50:87 mg/kg 85GYAZ -,93,71

orl-mus LD50:190 mg/kg 85GYAZ -,93,71

orl-dog LD50:140 mg/kg PCOC** -,616,66

orl-ckn LD50:120 mg/kg 85GYAZ -,93,71

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. **SAFETY PROFILE:** Poison by ingestion and skin contact. When heated to decomposition it emits very toxic fumes of I^- , NO_x , CN^- , and Li_2O . See also NITRILES and LITHIUM COMPOUNDS.

DNF450 CAS: 4662-17-3 HR: 3
3,5-DIIODO-4-HYDROXYPHENYL 2,5-DIMETHYL-3-FURYL KETONE

mf: $\text{C}_{13}\text{H}_{10}\text{I}_2\text{O}_3$ mw: 468.03

SYNS: DB 136 □ KETONE, 3,5-DIIODO-4-HYDROXYPHENYL 2,5-DIMETHYL-3-FURYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:315 mg/kg AIPTAK 147,497,64

ivn-gpg LDLo:164 mg/kg AIPTAK 147,497,64

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. A flammable liquid. When heated to decomposition it emits toxic vapors of I^- .

DNF500 CAS: 4568-82-5 HR: 3
3,5-DIIODO-4-HYDROXYPHENYL 2-FURYL KETONE

mf: $\text{C}_{11}\text{H}_6\text{I}_2\text{O}_3$ mw: 439.97

SYNS: DB 134 □ DIIODO-3,3 HYDROXY-4 BENZOYL 2

FURANNE □ KETONE, 3,5-DIIODO-4-HYDROXYPHENYL 2-FURYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:132 mg/kg AIPTAK 147,497,64

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 F^- .

DNF550 CAS: 73343-72-3 HR: 3
3,5-DIIODO-4-HYDROXYPHENYL 2-MESITYL-3-BENZOFURANYL KETONE

mf: $\text{C}_{24}\text{H}_{18}\text{I}_2\text{O}_3$ mw: 608.22

SYNS: BENZOFURAN, 3-(3,5-DIIODO-4-HYDROXYBENZOYL)-2-MESITYL- □ (DIIODO-3,5 HYDROXY-4 BENZOYL)-3

MESITYL-2 BENZOFURANNE □ KETONE, 3,5-DIIODO-4-HYDROXYPHENYL 2-MESITYL-3-BENZOFURANYL □ METHANONE, (4-HYDROXY-3,5-DIIODOPHENYL)(2-(2,4,6-TRIMETHYLPHENYL)-3-BENZOFURANYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:840 mg/kg EJMA5 14,517,79

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 F⁻.

DNF600 CAS: 83-73-8 HR: 3
DIIODOHYDROXYQUIN

mf: C₉H₅I₂NO mw: 396.95

PROP: Crystals from xylene.

SYNS: DIIODOHYDROXYQUIN □ DIIODOHYDROXYQUINOLINE □ 5,7-DIIODO-8-HYDROXYQUINOLINE □ 5,7-DIIODO-OXINE □ DIIODOQUIN □ 5,7-DIIODO-8-QUINOLINOL □ DINOLEINE □ DIIODOQUIN □ DIODOXYLIN □ DIQUINOL □ DIREXIODE □ DISOQUIN □ DYODIN □ EMBEQUIN □ ENTEROSEPT □ FLORAQUIN □ FLUORAQUIN □ 8-HYDROXY-5,7-DIIODOQUINOLINE □ IODOQUINOL □ IOQUIN SUSPENSION □ LANODOXIN □ MOEBIQUIN □ QUINADOME □ SEARLEQUIN □ SEBAQUIN □ SS 578 □ YODOXIN □ ZOAQUIN

TOXICITY DATA with REFERENCE:

dnr-esc 260 nmol/plate MUREAV 188,111,87
mnt-mus-orl 80 mg/kg MUREAV 222,219,89
orl-chd TDLo:120 g/kg/2Y-I:EYE LANCAO 1,261,66
ivn-mus LD50:56 mg/kg CSLNX* NX#03304
orl-cat LDLo:300 mg/kg AJTMAQ 24,29,44
orl-gpg LDLo:50 mg/kg AJTMAQ 24,29,44

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intravenous routes. Human systemic effects by ingestion: eye effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of I⁻ and NO_x.

DNF800 CAS: 75-11-6 HR: 3
DIIODOMETHANE

mf: CH₂I₂ mw: 267.83

PROP: Light straw-colored to clear, heavy, refractive liquid. Mp: 5–6°, bp: 181° (part decomp), d: 3.33 @ 15°/15°, vap d: 9.25. Sltly sol in water.

SYNS: METHYLENE DIODIDE □ METHYLENE IODIDE □ MI-GEE

TOXICITY DATA with REFERENCE:

orl-cld LDLo:2778 µL/kg:BAH,PUL AEMED3 19,1171,90
ipr-rat LD50:403 mg/kg 34ZIAG -,756,69
ipr-mus LD50:467 mg/kg 34ZIAG -,756,69
scu-mus LD50:830 mg/kg TXAPA9 4,354,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal and subcutaneous routes. Probably an irritant and narcotic in high concentration. Human systemic effects: acute pulmonary edema, somnolence. Potentially explosive reaction with diethyl zinc + alkenes. Violent reaction with copper-zinc alloys + ether. Forms very shock-sensitive explosive mixtures with potassium, potassium-sodium alloys, and lithium. When heated to

decomposition it emits toxic fumes of I⁻. See also IODIDES.

DNF850 CAS: 20018-09-1 HR: D
DIIODOMETHYL p-TOLYL SULFONE

mf: C₈H₈I₂O₂S mw: 422.02

SYNS: AMICAL 48 □ BENZENE, 1-((DIIODOMETHYL)-SULFONYL)-4-METHYL- □ 1-((DIIODOMETHYL)SULFONYL)-4-METHYLBENZENE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:5 g/kg (female 6-15D post):REP TOLED5 62,45,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNG000 CAS: 305-85-1 HR: 3
2,6-DIIODO-4-NITROPHENOL

mf: C₆H₃I₂NO₃ mw: 390.90

PROP: Light-yellow feathery crystals from AcOH. Mp: 157°.

SYNS: ANCYLLOL □ DIISOPHENOL □ DISOFEN □ DISOPHENOL □ DNP

TOXICITY DATA with REFERENCE:

orl-rat LD50:170 mg/kg TXAPA9 6,232,64
ipr-rat LD50:105 mg/kg TXAPA9 6,232,64
scu-rat LD50:122 mg/kg TXAPA9 6,232,64
ivn-rat LD50:105 mg/kg TXAPA9 6,232,64
orl-mus LD50:212 mg/kg TXAPA9 6,232,64
ipr-mus LD50:107 mg/kg TXAPA9 6,232,64
scu-mus LD50:110 mg/kg TXAPA9 6,232,64
ivn-mus LD50:88 mg/kg TXAPA9 6,232,64
par-uns LDLo:36 mg/kg FAZMAE 17,108,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, intravenous, and parenteral routes. An anthelmintic. When heated to decomposition it emits very toxic fumes of I⁻ and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

DNG200 CAS: 3861-47-0 HR: 3
3,5-DIIODO-4-OCTANOYLOXYBENZONITRILE

mf: C₁₅H₁₇I₂NO₂ mw: 497.13

PROP: Wax. Mp: 59–60°.

SYNS: 4-CYANO-2,6-DIJODPHENOL CAPRYSAEUREESTER (GERMAN) □ 3,5-DIIODO-4-HYDROXYBENZONITRILE OCTANOATE □ 3,5-DIJOD-4-HYDROXY-BENZONITRIL CAPRYSAEUREESTER (GERMAN) □ IOXYNIL OCTANOATE □ M&B 11,461 □ RIP-15830 □ TOTRIL

TOXICITY DATA with REFERENCE:

mrc-bcs 20 µg/disc/24H MUREAV 40,19,76
orl-rat LD50:190 mg/kg GUHAZ 6,305,73
skn-rat LD50:500 mg/kg 85JFAN A233,83
orl-mus LD50:240 mg/kg GUHAZ 6,305,73
skn-mus LD50:1240 mg/kg OYYAA2 1,78,67

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

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. Mutation data reported. An herbicide. When heated to decomposition it emits very toxic fumes of I^- , NO_x , and CN^- . See also NITRILES.

DNG400 CAS: 300-37-8 HR: 2
3,5-DIIODO-4-OXO-1(4H)PYRIDINEACETIC ACID-2,2'-IMINODIETHANOL SALT

mf: $\text{C}_7\text{H}_5\text{I}_2\text{O}_3 \cdot \text{C}_4\text{H}_{11}\text{NO}_2$ mw: 510.09

PROP: Powder. Mp: 155–157° (decomp).

SYNS: CARDIOTRAST □ DIAETHANOLAMIN-3,5-DIJODOPYRIDON-(4)-ESSIGSAEURE (GERMAN) □ DIATRAST □ DIETHANOLAMINE-3,5-DIIODO-4-PYRIDONE-N-ACETATE □ 3,5-DIIODO-4-PYRIDONE-N-ACETATE BIS(HYDROXYETHYL)-AMMONIUM □ 3,5-DIIODO-4-PYRIDONE-N-ACETIC ACID, DIETHANOLAMINE SALT □ DIODON □ DIODONE □ DIODRAST □ ETHANOL,2,2'-IMINODI-,3,5-DIIODO-4-OXO-1(4H)-PYRIDINEACETATE (salt) □ ETHANOL,2,2'-IMINODI- with 3,5-DIIODO-4-OXO-1(4H)-PYRIDINEACETIC ACID (1:1) □ IODOPYRACET □ IODURON B □ IOPYRACIL □ METHYL-GLUCAMINE-3,5-DIIODO-4-PYRIDONE-N-ACETATE □ MOSYLAN □ NEOMETHIODAL □ NEO-SKIODAN □ NEO-TENEbryl □ NOSYDRAST □ OPARENOL □ PELVIRAN □ PER-ABRODIL □ PER-RADIOGRAPHOL □ PYELOSIL □ PYLUMBRIN □ PYRACETON □ RP 3203 □ SAVAC □ UMBRADIL □ URIODONE □ VASIODONE □ XUMBRADIL

TOXICITY DATA with REFERENCE:

ivn-rat LD50:5400 mg/kg AEPPAE 222,584,54

ivn-mus LD50:6400 mg/kg JPETAB 116,394,56

ivn-dog LD50:2 g/kg BJRAAP 6,304,33

ivn-cat LD50:2800 mg/kg MECHAN 6,344,63

ivn-rbt LD50:4700 mg/kg MECHAN 6,344,63

SAFETY PROFILE: Moderately toxic by intravenous route. When heated to decomposition it emits very toxic fumes of NO_x and I^- .

DNG800 CAS: 20389-01-9 HR: 3
DIIODOQUINONE

mf: $\text{C}_6\text{H}_2\text{I}_2\text{O}_2$ mw: 359.88

PROP: Yellow plates from pet ether; yellow leaflets from Et_2O . Mp: 177–178°.

SYN: 2,6-DIIODO-p-BENZOQUINONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:84 mg/kg BCPCA6 12,885,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of I^- .

DNH000 CAS: 133-91-5 HR: 2
3,5-DIIODOSALICYLIC ACID

mf: $\text{C}_7\text{H}_4\text{I}_2\text{O}_3$ mw: 389.91

PROP: White to pale pink, crystalline powder; needles from alc. Mp: 228–230° (decomp). Sltly sol in water.

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg NCNSA6 5,8,53

orl-mus LD50:450 mg/kg QJPPAL 19,483,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A trace mineral added to animal feeds. When heated to decomposition it emits toxic fumes of I^- .

DNH125 CAS: 141-04-8 HR: 2
DIISOBUTYL ADIPATE

mf: $\text{C}_{14}\text{H}_{26}\text{O}_4$ mw: 258.40

SYNS: DIBA □ FTAFLEX DIBA □ ISOBUTYL ADIPATE

TOXICITY DATA with REFERENCE:

ipr-rat TDLo:1190 mg/kg (5-15D preg):TER JPMSAE 62,1596,73

ipr-rat LD50:5950 mg/kg JPMSAE 62,1596,73

orl-gpg LD50:12,300 mg/kg GWXXBX #2703360

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNH400 CAS: 110-96-3 HR: 3
DIISOBUTYLAMINE

DOT: UN 2361

mf: $\text{C}_8\text{H}_{19}\text{N}$ mw: 129.28

PROP: Water-white liquid; amine odor. Fp: –77°, mp: –70°, bp: 139°, flash p: 69.8°F, d: 0.745 @ 20°/4°, vap press: 10 mm @ 30.6°, vap d: 4.46. Sltly sol in water.

SYN: 2-METHYL-N-(2-METHYLPROPYL)-1-PROPANAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:258 mg/kg HYSAAV 34(7-9),426,69

orl-mus LD50:629 mg/kg HYSAAV 34(7-9),426,69

orl-gpg LD50:620 mg/kg HYSAAV 34(7-9),426,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion. A dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of NO_x .

DNH500 CAS: 102367-57-7 HR: 3
DIISOBUTYLAMINOBENZOYLOXYPROPYL THEOPHYLLINE

mf: $\text{C}_{25}\text{H}_{35}\text{N}_5\text{O}_4$ mw: 469.65

SYN: α -((DIISOBUTYLAMINO)METHYL)THEOPHYLLINE-8-ETHANOL BENZOATE (ester)

TOXICITY DATA with REFERENCE:

orl-mus LD50:2567 mg/kg NIIRDN 6,306,82

ipr-mus LD50:1835 mg/kg NIIRDN 6,306,82

ivn-mus LD50:273 mg/kg NIIRDN 6,306,82

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

DNH800 CAS: 108-82-7 HR: 2
DIISOBUTYL CARBINOL

mf: $\text{C}_9\text{H}_{20}\text{O}$ mw: 144.29

PROP: Colorless liquid. Fp: -65° , bp: 179° , flash p: 165°F , d: 0.8121 @ $20^{\circ}/20^{\circ}$, vap press: 0.3 mm @ 20° , vap d: 4.98, lel: 0.8% @ 212°F , uel: 6.1% @ 212°F .

SYNS: 2,6-DIMETHYL HEPTANOL-4 □ 2,6-DIMETHYL-4-HEPTANOL □ sec-NONYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD JIHTAB 31,60,49
 skn-rbt 500 mg open MLD UCDS** 12/30/71
 eye-rbt 500 mg open JIHTAB 31,60,49
 orl-rat LD50:3560 mg/kg JIDHAN 31,60,49
 ipr-rat LD50:800 mg/kg NPIRI* 1,22,74
 orl-mus LD50:3530 mg/kg SCCUR* -,4,61
 skn-rbt LD50:4600 mg/kg NPIRI* 1,22,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by skin contact. A powerful systemic irritant by inhalation. A skin and eye irritant. Can cause central nervous system and liver damage when ingested. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam, foam, CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and fumes.

DNI200 CAS: 63919-00-6 HR: 2 DIISOBUTYLENE OXIDE

mf: $\text{C}_8\text{H}_{16}\text{O}$ mw: 128.24

SYN: EP-185

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 4/10/68
 eye-rbt 500 mg open AMIHBC 10,61,54
 orl-rat LD50:4920 mg/kg AMIHBC 10,61,54
 ihl-rat LCLo:4000 ppm/4H AMIHBC 10,61,54
 skn-rbt LD50:14 g/kg AMIHAB 14,250,56

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

DNI400 CAS: 7283-69-4 HR: 1 DIISOBUTYL FUMARATE

mf: $\text{C}_{12}\text{H}_{20}\text{O}_4$ mw: 228.32

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 orl-rat LD50:8120 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:7490 mg/kg AIHAAP 23,95,62

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

DNI600 CAS: 1191-15-7 HR: 3 DIISOBUTYLHYDROALUMINUM

mf: $\text{C}_8\text{H}_{19}\text{Al}$ mw: 142.25



PROP: Colorless pyrophoric liquid. Fp: -80° , bp: 140° @ 4 mm, d: 0.798. Misc in hydrocarbon solvents. Sol in Et_2O , C_6H_6 , toluene, and cyclohexane.

SYNS: AL-ALCHILI (ITALIAN) □ AL-DIISOBUTYL BIS(ISOBUTYL)HYDROALUMINUM □ DIISOBUTYL-ALUMINIUM HYDRIDE □ DIISOBUTYLALUMINUM HYDRIDE □ HYDROBIS(2-METHYLPROPYL)ALUMINUM □ HYDRODI-ISOBUTYLALUMINUM

TOXICITY DATA with REFERENCE:

ihl-gpg LCLo:70 $\text{g}/\text{m}^3/1\text{H}$ MELAAD 57,188,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 2 mg(Al)/ m^3

SAFETY PROFILE: Mildly toxic by inhalation.

Dangerous fire hazard; ignites spontaneously in air. To fight fire, do not use water, foam, or halogenated extinguishing agents. See also HYDRIDES and ALUMINUM COMPOUNDS.

DNI800 CAS: 108-83-8 HR: 3 DIISOBUTYL KETONE

DOT: UN 1157

mf: $\text{C}_9\text{H}_{18}\text{O}$ mw: 142.27

PROP: Liquid. Bp: 166° , flash p: 140°F , d: 0.81, vap d: 4.9, lel: 0.8% @ 212°F , uel: 6.2% @ 212°F . IDLH 500 ppm.

SYNS: DIISOBUTYLKETONE (ITALIAN) □ DI-ISOBUTYLKETONE (FRENCH) □ DIISOBUTYLKETON (DUTCH, GERMAN) □ s-DIISOPROPYLACETONE □ 2,6-DIMETHYL-HEPTAN-4-ON (DUTCH, GERMAN) □ 2,6-DIMETHYLHEPTAN-4-ONE □ 2,6-DIMETHYL-4-HEPTANONE □ 2,6-DIMETIL-EPTAN-4-ONE (ITALIAN) □ ISOBUTYL KETONE □ ISOVALERONE □ VALERONE

TOXICITY DATA with REFERENCE:

eye-hmn 25 ppm/15M MLD JIHTAB 28,262,46
 skn-rbt 10 mg/24H open MLD JIHTAB 31,60,49
 skn-rbt 500 mg open MLD UCDS** 12/15/71
 eye-rbt 500 mg AJOPAA 29,1363,46
 ihl-hmn TCLo:50 ppm:EYE,CNS,GIT JIHTAB 30,63,48
 orl-rat LD50:5750 mg/kg NPIRI* 1,23,74
 ihl-rat LCLo:2000 ppm/4H JIHTAB 31,343,49
 orl-mus LD50:1416 mg/kg SCCUR* -,4,61
 skn-rbt LD50:16 g/kg NPIRI* 1,23,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 25 ppm

ACGIH TLV: TWA 25 ppm

DFG MAK: 50 ppm (290 mg/ m^3)

NIOSH REL: (Ketones) TWA 140 mg/ m^3

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. Mildly toxic by skin contact. Human systemic effects by inhalation: headache, nausea or vomiting, and unspecified eye effects. An eye and skin irritant. Narcotic in high concentrations. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO_2 , dry chemical, water spray, mist or fog. When heated to decomposition it emits acrid smoke and fumes. See also KETONES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Ketones I (desorption in CS_2) 1300.

DNJ000 CAS: 61947-30-6 HR: 3 DIISOBUTYLOXOSTANNANE

mf: $\text{C}_8\text{H}_{18}\text{OSn}$ mw: 248.95

SYNS: DIISOBUTYL TIN OXIDE □ KYSLICNIK DIISOBUTYLICINICITY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,226,72

eye-rbt 100 mg/24H MOD 28ZPAK -,226,72

orl-rat LD50:53,200 µg/kg 28ZPAK -,226,72

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.**DNJ400 CAS: 84-69-5 HR: 2**
DIISOBUTYL PHTHALATEmf: C₁₆H₂₂O₄ mw: 278.38**PROP:** Liquid. Mp: -64°, flash p: 385°F, d: 1.039–1.043, vap d: 9.59.**SYNS:** DIBP □ DIISOBUTYLESTER KYSELINY FTALOVE □ HATCOL DIBP □ HEXAPLAS M/1B □ KODAFLEX DIBP □ PALATINOL IC**TOXICITY DATA with REFERENCE:**

orl-rat LD50:15 g/kg EVHPAZ 3,131,73

ipr-rat LD50:3749 mg/kg JPMSAE 61,51,72

orl-mus LD50:10 g/kg GTPZAB 29(12),39,85

ipr-mus LD50:3990 mg/kg JSCCA5 28,667,77

skn-gpg LD50:10 g/kg EVHPAZ 4,3,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mildly toxic by ingestion and skin contact. Experimental teratogenic and reproductive effects. Combustible when exposed to heat or flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes.**DNJ600 CAS: 3437-84-1 HR: 3**
DIISOBUTYRYL PEROXIDEmf: C₈H₁₄O₄ mw: 174.20[(CH₃)₂CHCO•O—]₂**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** May explode when dried at room temperature. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DNJ800 CAS: 822-06-0 HR: 3**
1,6-DIISOCYANATOHEXANE**DOT:** UN 2281mf: C₈H₁₂N₂O₂ mw: 168.22O:N:C(CH₂)₆C:N:O**PROP:** Oil. D: 1.053 @ 20°/4°, bp: 121–122° @ 9 mm.**SYNS:** DESMODUR H □ DESMODUR N □ HEXAMETHYLENEDIISOKYANAT □ HEXAMETHYLENE DIISOCYANATE □ HEXAMETHYLENE DIISOCYANATE (DOT) □ HEXAMETHYLENE-1,6-DIISOCYANATE □ 1,6-HEXAMETHYLENE DIISOCYANATE □ 1,6-HEXANEDIOL DIISOCYANATE □ HMDI □ ISOCYANIC ACID, DIESTER with 1,6-HEXANEDIOL □ ISOCYANIC ACID, HEXAMETHYLENE

ESTER □ METYLENO-BIS-FENYLOIZOCYJANIAN

□ SZESCIOMETYLENODWUIZOCYJANIAN □ TL 78

TOXICITY DATA with REFERENCE:

orl-rat LD50:738 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:60 mg/m³/4H GTPZAB 12(10),40,68

orl-mus LD50:350 mg/kg TAKHAA 39,202,80

ihl-mus LC50:30 mg/m³ 85GMAT -,74,82

ivn-mus LD50:5600 µg/kg CSLNX* NX#07805

skn-rbt LD50:593 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**ACGIH TLV:** TWA 0.005 ppm**DFG MAK:** 0.005 ppm (0.035 mg/m³)**NIOSH REL:** (Diisocyanates) TWA 0.005 ppm; CL 0.02 ppm/10M**DOT CLASSIFICATION:** 6.1; Label: Poison**SAFETY PROFILE:** Poison by inhalation and intravenous routes. Moderately toxic by ingestion and skin contact. Potentially explosive reaction with alcohols + base. When heated to decomposition it emits toxic fumes of NO_x. See also CYANATES.**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #42.**DNK100 CAS: 4747-90-4 HR: 3**
DIISOCYANATOMETHANEmf: C₃H₂N₂O₂ mw: 98.06**SYN:** METHYLENE DIISOCYANATE**SAFETY PROFILE:** Polymerizes violently on contact with dimethyl formamide (DMF). When heated to decomposition it emits toxic fumes of NO_x.**DNK200 CAS: 1321-38-6 HR: 2**
DIISOCYANATOMETHYLBENZENEmf: C₉H₆N₂O₂ mw: 174.17**SYN:** NIAX ISOCYANATE TDI**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open SEV UCDS** 7/11/67

orl-rat LD50:6170 mg/kg UCDS** 7/11/67

ihl-rat LCLo:600 ppm/6H UCDS** 7/11/67

SAFETY PROFILE: Mildly toxic by ingestion and inhalation. A severe skin irritant. When heated to decomposition it emits toxic fumes of NO_x.**DNK250 CAS: 87177-09-1 HR: 1**
1,3-DIISOCYANATOMETHYLBENZENE
POLYMER WITH NIAX E 488**SYNS:** BENZENE, 1,3-DIISOCYANATOMETHYL-, POLYMER WITH NIAX E 488 □ NIAX E 488, POLYMER WITH 1,3-DIISOCYANATOMETHYLBENZENE □ NIAX POLYOL E-558 □ NIAX POLYOL E-488 TDI COPOLYMER**TOXICITY DATA with REFERENCE:**

skn-rbt 500 µL/24H MOD NTIS** OTS0535986

SAFETY PROFILE: A Moderately toxic by skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**DNK300 CAS: 41886-31-1 HR: 3**
DIISONITROSOACETONEmf: C₃H₄N₂O₃ mw: 116.09**SYN:** 1,2,3-PROPANETRIONE, 1,3-DIOXIME

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:30 mg/kg BJPCL 11,417,56
 ipr-mus LD50:20 mg/kg JPMSAE 53,1143,64

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

DNK400 CAS: 68515-48-0 HR: D
DIISONONYL PHTHALATE

SYN: 1,2-BENZENEDICARBOXYLIC ACID, DI-C8-C10-BRANCHED ALKYL ESTER, C9-RICH

SAFETY PROFILE: Experimental reproductive effects. Experimental reproductive effects.

DNK800 CAS: 27215-10-7 HR: 2
DIISOCTYL ACID PHOSPHATE

DOT: UN 1902

mf: C₁₆H₃₅O₄P mw: 322.48

PROP: A corrosive liquid.

SYN: DIISOCTYL PHOSPHATE (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Moderately toxic by irritation to skin, eyes, and mucous membranes. A corrosive compound. When heated to decomposition it emits toxic fumes of PO_x. See also PHOSPHATES.

DNL200 CAS: 24423-68-5 HR: 3
DIISOPENTYLMERCURY

mf: C₁₀H₂₂Hg mw: 342.91

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: DIISOAMYL MERCURY □ DIISOPENTYLRTUT □ MERCURY, DIISOAMYL-

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:16 mg/kg CBCCT* 4,230,52

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

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

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

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. Violent reaction on contact with iodine. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS.

DNL400 CAS: 63979-62-4 HR: 3
DIISOPENTYLOXOSTANNANE

mf: C₁₀H₂₂OSn mw: 277.01

SYNS: DIISOPENTYLTIN OXIDE □ KYSLICNIK DIISOAMYL-CINICITY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,227,72

eye-rbt 20 mg/24H MOD 28ZPAK -,227,72

orl-rat LD50:64,500 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.

DNL600 CAS: 110-97-4 HR: 3
DIISOPROPANOLAMINE

mf: C₆H₁₅NO₂ mw: 133.22

PROP: Mp: 42°, bp: 249°, flash p: 260°F (OC), d: 0.9890 @ 45°/20°, vap d: 4.59.

SYNS: BIS(2-HYDROXYPROPYL)AMINE □ BIS(2-PROPANOL)-AMINE □ DIPA □ DIPROPYL-2,2'-DIHYDROXYAMINE □ 1,1'-IMINODI-2-PROPANOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 5/21/71

eye-rbt 50 mg SEV UCDS** 5/21/71

orl-rat LD50:4765 mg/kg GTPZAB 30(7),46,86

ipr-mus LD50:96 mg/kg AIMJA 9 30,23,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion. A skin and severe eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

DNL700 CAS: 3748-13-8 HR: 1
1,3-DIISOPROPENYLBENZENE

mf: C₁₂H₁₄ mw: 158.26

SYNS: BENZENE, 1,3-BIS(1-METHYLETHENYL)- □ BENZENE, m-DIISOPROPENYL- □ 1,3-BIS(1-METHYLETHENYL)BENZENE □ m-DIISOPROPENYLBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg JACTDZ 1,44,90

skn-rbt LD50:>2 g/kg JACTDZ 1,44,90

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.

DNL800 CAS: 6938-94-9 HR: 2
DIISOPROPYL ADIPATE

mf: C₁₂H₂₂O₄ mw: 230.34

SYNS: ADIPIC ACID DIISOPROPYL ESTER □ CERAPHYL 230

□ HEXANEDIOIC ACID, BIS(1-METHYLETHYL) ESTER □ ISOPROPYL ADIPATE □ STANDAMUL DIPA □ WICKENOL 116

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MLD JACTDZ 3(3),101,84

ivn-rat LD50:640 mg/kg MRLR** No. 256,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNM200 CAS: 108-18-9 HR: 3
DIISOPROPYLAMINE
DOT: UN 1158

mf: C₆H₁₅N mw: 101.22

PROP: Colorless liquid. Bp: 83–84°, flash p: 19.4°F, d: 0.722 @ 220.0°, vap d: 3.5. IDLH 200 ppm.

SYNS: DIPA □ N-(1-METHYLETHYL)-2-PROPANAMINE □ 2-PROPANAMINE, N-(1-METHYLETHYL)-

TOXICITY DATA with REFERENCE:

eye-rbt 750 µg open SEV AMIHBC 10,61,54
 skn-rbt 500 mg/24H MLD 85JCAE -,433,86
 mma-sat 1 µg/plate NUCADQ 3,129,82
 orl-rat LD50:770 mg/kg AEHLAU 1,343,60
 ihl-rat LC50:4800 mg/m³/2H 85GMAT -,54,82
 orl-mus LD50:2120 mg/kg GISAAA 45(3),79,80
 ihl-mus LC50:4200 mg/m³/2H 85GMAT -,54,82
 ihl-cat LCLo:2207 ppm/72M JIHTAB 31,142,49
 orl-rbt LD50:4700 mg/kg GISAAA 45(3),79,80
 ihl-rbt LCLo:2207 ppm/150M JIHTAB 31,142,49
 orl-gpg LD50:2800 mg/kg GISAAA 45(3),79,80
 ihl-gpg LCLo:2207 ppm/82M JIHTAB 31,142,49
 scu-gpg LDLo:1400 mg/kg JIHTAB 31,142,49
 ihl-mam LC50:4200 mg/m³ TPKVAL 14,80,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 ppm (skin)

ACGIH TLV: TWA 5 ppm (skin)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. Mildly toxic by inhalation. Mutation data reported. A skin and severe eye irritant. Inhalation of fumes can cause pulmonary edema. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

DNM400 CAS: 660-27-5 HR: 2
DIISOPROPYLAMINE DICHLORACETATE
 mf: C₆H₁₃N•C₂H₂Cl₂O₂ mw: 230.16

SYNS: β-ANOXIN □ CUBISOL □ DADA □ DAPA □ DAPOCEL □ DEDYL □ DICHLOROACETATO di DIISOPROPILAMMONIO □ DICHLOROACETIC ACID, DIISOPROPYLAMINE SALT □ DIEDI □ DIISOPROPYLAMINE, compd. with DICHLOROACETIC ACID (1:1) □ DIISOPROPYLAMINE DICHLOROETHANOATE □ DIISOPROPYLAMMONIUM DICHLOROACETATE □ DIISOPROPYLAMMONIUM DICHLOROETHANOATE □ DIPA □ DISOTAT □ IS 401 □ KALODIL □ KRINO B 15 □ OXYPANGAM □ TENSICOR □ VASCULOPATINA

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate NUCADQ 3,129,82
 ipr-rat LD50:840 mg/kg THERAP 16,136,61
 orl-mus LD50:1700 mg/kg ARZNAD 13,109,63
 ipr-mus LD50:750 mg/kg BCFAAI 97,608,58
 scu-mus LD50:1330 mg/kg ARZNAD 13,109,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNM600 CAS: 77966-84-8 HR: 3
2-(DIISOPROPYLAMINO)-2',6'-ACETOXYLIDIDE
HYDROCHLORIDE

mf: C₁₆H₂₆N₂O•ClH mw: 298.90

SYN: V 377

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,407,58
 ipr-rat LD50:90 mg/kg ARZNAD 8,407,58
 scu-mus LD50:197 mg/kg ARZNAD 8,407,58

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

DNN000 CAS: 14549-32-7 HR: 3
2-(2-(DIISOPROPYLAMINO)ETHOXY)BUTYRO-
PHENONE HYDROCHLORIDE

mf: C₁₈H₂₉NO₂•ClH mw: 327.94

SYNS: 2-BUTYRYL-β-(N,N-DIISOPROPYL)PHENOXYETHYL-AMINE HYDROCHLORIDE □ KETOCAINE HYDROCHLORIDE □ REC 7-0518

TOXICITY DATA with REFERENCE:

orl-rat LD50:446 mg/kg ARZNAD 16,1275,66
 scu-rat LD50:935 mg/kg ARZNAD 16,1275,66
 orl-mus LD50:147 mg/kg ARZNAD 16,1275,66
 ipr-mus LD50:102 mg/kg ARZNAD 16,1275,66
 scu-mus LD50:217 mg/kg ARZNAD 16,1275,66
 ivn-mus LD50:14 mg/kg ARZNAD 16,1275,66
 ivn-cat LD50:6 mg/kg ARZNAD 16,1275,66

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

DNN600 CAS: 3737-09-5 HR: 3
α-(2-(DIISOPROPYLAMINO)ETHYL)-α-PHENYL-
2-PYRIDINEACETAMIDE

mf: C₂₁H₂₉N₃O mw: 339.53

SYNS: DICORANTIL □ γ-DIISOPROPYLAMINO-α-PHENYL-α-(2-PYRIDYL)BUTYRAMIDE □ DISOPYRAMIDE □ H 3292 □ RITMODAN □ SC 7031 □ SEARLE 703

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:4286 µg/kg;CVS,PUL NEJMAG 302,614,80
 orl-rat LD50:333 mg/kg ARZNAD 38,1398,88
 ipr-rat LD50:170 mg/kg NIIRDN 6,319,82
 scu-rat LD50:800 mg/kg IYKEDH 9,829,78
 orl-mus LD50:409 mg/kg NIIRDN 6,319,82
 ipr-mus LD50:114 mg/kg KSRNAM 5,1628,71
 scu-mus LD50:305 mg/kg NIIRDN 6,319,82
 ivn-mus LD50:30 mg/kg JMCMA 27,1142,84
 ivn-dog LDLo:36 mg/kg JPETAB 136,114,62

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. An experimental teratogen. Other experimental reproductive effects. Human systemic effects by ingestion: dyspnea, cardiac and pulmonary changes. Experimental

reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

DNN630 CAS: 24544-04-5 HR: 2
2,6-DIISOPROPYL ANILINE

mf: C₁₂H₁₉N mw: 177.32

SYNS: ANILINE, 2,6-DIISOPROPYL- □ BENZENAMINE, 2,6-BIS(1-METHYLETHYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3204 mg/kg FAATDF 3,285,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNN709 CAS: 25321-09-9 HR: 1
DIISOPROPYLBENZENE

mf: C₁₂H₁₈ mw: 162.30

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MOD 85JCAE -,39,86

eye-rbt 500 mg/24H MILD 85JCAE -,39,86

orl-rat LD50:6500 mg/kg TXAPA9 28,313,74

ihl-rat LCLo:5300 mg/m³/4H 85GMAT -,55,82

ihl-mus LCLo:5300 mg/m³/2H 85GMAT -,55,82

skn-rbt LD50:16 g/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNN800 CAS: 577-55-9 HR: 2
o-DIISOPROPYLBENZENE

mf: C₁₂H₁₈ mw: 162.30

PROP: Clear, colorless liquid. Mp: <-55°, bp: 205°, flash p: 170°F (OC), d: 0.863-0.867 @ 25°/25°, autoign temp: 840°F, vap d: 5.6.

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg 28ZRAQ -,57,60

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical, water spray or mist. When heated to decomposition it emits acrid smoke and irritating fumes. See also CUMENE.

DNN829 CAS: 99-62-7 HR: 2
1,3-DIISOPROPYLBENZENE

mf: C₁₂H₁₈ mw: 162.30

SYN: m-DIISOPROPYLBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:7400 mg/kg 85GMAT -,54,82

orl-mus LD50:3100 mg/kg 85GMAT -,54,82

ipr-mus LD50:1650 mg/kg 85GMAT -,54,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNN830 CAS: 100-18-5 HR: 2
1,4-DIISOPROPYLBENZENE

mf: C₁₂H₁₈ mw: 162.30

SYNS: BENZENE, 1,4-BIS(1-METHYLETHYL)-(9CI) □

BENZENE, p-DIISOPROPYL- □ 1,4-BIS(1-METHYLETHYL)-

BENZENE □ p-DIISOPROPYLBENZENE □ p-

DIISOPROPYLBENZOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:3400 mg/kg 85GMAT -,54,82

ipr-mus LD50:1650 mg/kg GTPZAB 14(2),41,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNN840 HR: 3
1,3-DIISOPROPYLBENZENE SODIUM SALT, DIHYDROPEROXIDE

mf: C₁₂H₁₈•Na•2H₂O₂ mw: 253.33

SYN: SODIUM-m-DIISOPROPYLBENZOL (Na-m)

DIHYDROPEROXIDE (RUSSIAN)

TOXICITY DATA with REFERENCE:

unr-rat LD50:1050 mg/kg GISAAA 42(4),11,77

unr-mus LD50:415 mg/kg GISAAA 42(4),11,77

unr-rbt LD50:320 mg/kg GISAAA 42(4),11,77

SAFETY PROFILE: Poison by an unspecified route. When heated to decomposition it emits toxic fumes of Na₂O. See also PEROXIDES, ORGANIC.

DNN850 HR: 2
1,4-DIISOPROPYLBENZENE SODIUM SALT, DIISOPEROXIDE

mf: C₁₂H₁₈•Na•2H₂O₂ mw: 253.33

SYN: SODIUM-p-DIISOPROPYLBENZOL (Na-p) DIHYDROPEROXIDE (RUSSIAN)

TOXICITY DATA with REFERENCE:

unr-rat LD50:1250 mg/kg GISAAA 42(4),11,77

unr-mus LD50:660 mg/kg GISAAA 42(4),11,77

unr-rbt LD50:450 mg/kg GISAAA 42(4),11,77

SAFETY PROFILE: Moderately toxic by unspecified route. When heated to decomposition it emits toxic fumes of Na₂O. See also PEROXIDES, ORGANIC.

DNN900 CAS: 95-29-4 HR: 2
N,N-DIISOPROPYL-2-BENZOTHAZOLE-SULFENAMIDE

mf: C₁₃H₁₈N₂S₂ mw: 266.45

SYNS: 2-BENZOTHAZOLESULFENAMIDE, N,N-DIISOPROPYL- □ DIPAC

TOXICITY DATA with REFERENCE:

orl-mus LD50:3892 mg/kg GTPZAB 8(7),39,64

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.

DNO200 CAS: 15721-33-2 HR: 3
DIISOPROPYLBERYLLIUMmf: C₆H₁₄Be mw: 95.19(CH₃)₂CH)₂Be**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)**DFG MAK:** DFG TRK: 0.002 mg(Be)/m³; Animal Carcinogen, Suspected Human Carcinogen**SAFETY PROFILE:** Confirmed human carcinogen. Explosive reaction on contact with water. When heated to decomposition it emits toxic fumes of BeO. See also BERYLLIUM COMPOUNDS.**DNO400 CAS: 693-13-0 HR: 3**
DIISOPROPYLCARBODIIMIDEmf: C₇H₁₄N₂ mw: 126.23**PROP:** Moisture-sensitive liquid. D: 0.806, bp: 145–148°.**SYNS:** N,N'-METHANETETRAYLBIS-2-PROPANAMINE □ 2-PROPANAMINE, N,N'-METHANETETRAYLBIS-(9CI)**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:36 mg/kg CSLNX* NX#05886

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x.**DNO800 CAS: 741-58-2 HR: 3**
N-(2-(O,O-DIISOPROPYLDITHIOPHOSPHORYL)-ETHYL)BENZENESULFONAMIDEmf: C₁₄H₂₄NO₄PS₃ mw: 397.54**PROP:** Viscous amber liquid or crystals. D: 1.25 @ 22°, mp: 34.4°.**SYNS:** BENSULIDE □ BENZULFIDE □ BETAMEC □ BETASAN □ O,O-BIS(1-METHYLETHYL)-S-(2-((PHENYL-SULFONYL) AMINO)ETHYL)PHEOSPHORODITHIOATE □ N-(β-O,O-DIISOPROPYLDITHIOPHOSPHORYLETHYL)BEZENE-SULFONAMIDE □ S-(O,O-DIISOPROPYL PHOSPHORODITHIOATE) ESTER of N-(2-MERCAPTOETHYL)BENZENESULFONAMIDE □ DISAN □ EXPORSAN □ N-(2-MERCAPTOETHYL-BENZENE-SULFONAMIDE)-S-(O,O-DIISOPROPYL PHOSPHORODITHIOATE) □ PHOSPHORODITHIOIC ACID-O,O-BIS(1-METHYLETHYL)-S-(2-((PHENYLSULFONYL)AMINO)-ETHYL ESTER □ PREFAR □ PRE-SAN □ R-4461**TOXICITY DATA with REFERENCE:**

orl-rat LD50:271 mg/kg FMCHA2 -,C31,83

skn-rat LD50:3950 mg/kg 31ZOAD 1,34,68

orl-mus LD50:1540 mg/kg JPIFAN (27),11,76

ipr-mus LD50:630 mg/kg JPIFAN (27),11,76

skn-rbt LD50:2000 mg/kg WRPCA2 9,119,70

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. An herbicide. When heated todecomposition it emits very toxic fumes of NO_x, SO_x, and PO_x. See also ESTERS.**DNO900 CAS: 2973-10-6 HR: 2**
DIISOPROPYL ESTER SULFURIC ACIDmf: C₆H₁₄O₄S mw: 182.26**SYNS:** DI-ISOPROPYLSULFAT (GERMAN) □ DI-ISOPROPYLSULFATE □ ISOPROPYL SULFATE**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:300 mg/kg:ETA ZKKOBW 79,135,73

orl-rat LD50:1090 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. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of SO_x. See also ESTERS and SULFATES.**DNP000 CAS: 96-80-0 HR: 2**
N,N-DIISOPROPYL ETHANOLAMINEmf: C₈H₁₉NO mw: 145.28**SYNS:** 2-DIISOPROPYLAMINOETHANOL □ DIISOPROPYL ETHANOLAMINE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS** 6/6/69

eye-rbt 750 µg open SEV AMIHBC 10,61,54

orl-rat LD50:1070 mg/kg UCDS** 6/6/69

skn-rbt LD50:450 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin and severe eye irritant.**DNP600 CAS: 20652-39-5 HR: 2**
N,N-DIISOPROPYL ETHYL CARBAMATEmf: C₉H₁₉NO₂ mw: 173.29**SYNS:** DIISOPROPYLCARBAMIC ACID, ETHYL ESTER □ DIISOPROPYL ETHYL CARBAMATE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.**DNP700 CAS: 121-05-1 HR: 3**
N,N-DIISOPROPYLETHYLENEDIAMINEmf: C₈H₂₀N₂ mw: 144.30**SYNS:** ETHYLENEDIAMINE, N,N-DIISOPROPYL- □ USAF AM-2**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.**DNQ200 CAS: 7283-70-7 HR: 2**
DIISOPROPYL FUMARATEmf: C₁₀H₁₆O₄ mw: 200.26**SYN:** FUMARIC ACID, DIISOPROPYL ESTER**TOXICITY DATA with REFERENCE:**

skn-rbt 100 mg/24H MOD 85JCAE -,375,86

eye-rbt 500 mg open AMIHBC 10,61,54
 orl-rat LD50:3250 mg/kg AMIHBC 10,61,54
 skn-rbt LD50:10 g/kg AMIHBC 10,61,54

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

DNQ600 CAS: 1809-20-7 HR: 2
DIISOPROPYL HYDROGEN PHOSPHITE

mf: C₆H₁₅O₃P mw: 166.18

PROP: A liquid. D: 1.00 @ 20°/4°, bp: 106–108° @ 53 mm.

SYNS: DIISOPROPYL PHOSPHITE □ DIISOPROPYL-PHOSPHONATE □ O,O-DIISOPROPYL PHOSPHONATE □ ISOPROPYL PHOSPHONATE □ PHOSPHONIC ACID, BIS(1-METHYLETHYL) ESTER

TOXICITY DATA with REFERENCE:

mno-sat 5 µL/plate MUREAV 28,405,75
 orl-rat LD50:1700 mg/kg GTPZAB 29(11),51,85
 skn-rbt LD50:5700 mg/kg ALBRW* #OPB-3,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNQ700 CAS: 86886-16-0 HR: 3
DIISOPROPYL HYPONITRITE

mf: C₆H₁₄N₂O₂ mw: 146.19
 (CH₃)₂CHON=NOCH(CH₃)₂

SYN: BIS(2-PROPYLOXY) DIAZENE

SAFETY PROFILE: An impact-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x. See also NITRITES.

DNQ800 CAS: 1071-39-2 HR: 3
DIISOPROPYLMERCURY

mf: C₆H₁₄Hg mw: 286.79

PROP: A liquid. Bp: 63° @ 10 mm, d: 2.00 @ 20°/4°, vap d: 9.9. IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:7800 µg/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)/m³; STEL 0.03 mg/m³ (skin)

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

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Mercury, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

SAFETY PROFILE: Poison by intraperitoneal route. Mercury compounds are poisons. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS, ORGANIC.

DNQ875 CAS: 1445-75-6 HR: 2
DIISOPROPYL METHYLPHOSPHONATE

mf: C₇H₁₇O₃P mw: 180.21

PROP: Bp: 66° @ 3 mm.

SYNS: DIISOPROPYL METHANEPHOSPHONATE □ DIMP

TOXICITY DATA with REFERENCE:

orl-rat LD50:826 mg/kg 40QBA3 -,450,78
 orl-mus LD50:1041 mg/kg 40QBA3 -,450,78
 orl-dck LD50:1490 mg/kg NTIS** AD-A087-257
 orl-ctl LD50:750 mg/kg NTIS** AD-A093-673
 orl-mam LD50:503 mg/kg NTIS** AD-A087-257
 orl-brd LD50:1000 mg/kg NTIS** AD-A087-257

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of PO_x. See also ESTERS and PHOSPHONIC ACID.

DNQ890 CAS: 275795-13-6 HR: D
3,5-DIISOPROPYL-4-NITROBIPHENYL

mf: C₁₈H₂₁NO₂ mw: 283.40

SYN: 1,1'-BIPHENYL, 3,5-BIS(1-METHYLETHYL)-4-NITRO-

TOXICITY DATA with REFERENCE:

mic-sat 500 µLg/plate MUREAV 467,55,2000

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

DNR200 CAS: 23668-76-0 HR: 3
DIISOPROPYLOXOSTANNANE

mf: C₆H₁₄OSn mw: 220.89

PROP: Solid. Insol in water.

SYNS: DIISOPROPYL TIN OXIDE □ KYSLICNIK DIISOPROPYLICINICITY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,225,72
 eye-rbt 20 mg/24H MOD 28ZPAK -,225,72
 orl-rat LD50:57,700 µg/kg 28ZPAK -,225,72

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 irritating fumes. See also TIN COMPOUNDS.

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

DNR309 CAS: 3254-66-8 HR: 3
DIISOPROPYL PARAOXON

mf: C₁₂H₁₈NO₆P mw: 303.28

SYNS: DIISOPROPYL-p-NITROPHENYL PHOSPHATE □ O,O-DIISOPROPYL-o,p-NITROPHENYL PHOSPHATE □ MIOTICOL □ PROPICOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:143 mg/kg JAFCAU 17,243,69
 ipr-mus LD50:33 mg/kg JAFCAU 12,318,64

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

DNR400 CAS: 105-64-6 HR: 3**DIISOPROPYL PERDICARBONATE**mf: C₈H₁₄O₆ mw: 206.22

PROP: Colorless, crystalline solid. Rapid decomp @ 63°F, mp: 8–10°, d: 1.080 @ 15.5°/4°. Almost insol in water; miscible with aliphatic and aromatic hydrocarbons, esters, ethers, and chlorinated hydrocarbons.

SYNS: DIISOPROPYL PEROXYDICARBONATE □ ISOPROPYL PERCARBONATE □ ISOPROPYL PEROXYDICARBONATE □ PEROXYDICARBONATE d'ISOPROPYLE □ PEROXYDICARBONIC ACID, BIS(1-METHYLETHYL) ESTER

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg SEV IHFCAY 6,1,67
 orl-rat LD50:2140 mg/kg IHFCAY 6,1,67
 skn-rbt LD50:2025 mg/kg BSPH* 1/75-19B

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A severe eye irritant. Very dangerous fire hazard. Dangerously unstable above 10°C. An impact- and heat-sensitive explosive. Solutions may spontaneously explode (the hazard increases with concentration). Storage in sealed containers may be dangerous. Explodes on contact with amines or potassium iodide. May explode on contact with organic matter. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES, ORGANIC.

DNR800 CAS: 2078-54-8 HR: 3**2,6-DIISOPROPYLPHENOL**mf: C₁₂H₁₈O mw: 178.30

PROP: A colorless liquid or solid. Fp: 17.9°, mp: 19°, bp: 136° @ 30 mm, flash p: 235°F (CC), d: 0.955 @ 20°/4°.

SYNS: 2,6-BIS(1-METHYLETHYL)PHENOL □ DIPRIVAN □ ICI 35868 □ PHENOL, 2,6-BIS(1-METHYLETHYL)-(9CI) □ PROPOFOL

TOXICITY DATA with REFERENCE:

unr-man TDL₀:2857 µg/kg/1D-I ANASAB 43,170,88
 ivn-rat LD50:42 mg/kg YACHDS 21,11,93
 ipr-mus LD50:170 mg/kg JMCAS 2,201,60
 ivn-mus LD50:50 mg/kg JMCAR 23,1350,80
 ivn-rbt LDLo:20 mg/kg JMCAR 23,1350,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Experimental reproductive effects. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also PHENOL.

DNS000 CAS: 26762-93-6 HR: 2**DIISOPROPYLPHENYLHYDROPEROXIDE**

(solution)

DOT: UN 2171mf: C₁₂H₁₉O₂ mw: 195.30

PROP: Colorless to pale-yellow liquid.

SYN: DIISOPROPYLBENZENE HYDROPEROXIDE, not more than 72% in solution (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. A powerful oxidizer. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES, ORGANIC.

DNS100 CAS: 28178-42-9 HR: 3**2,6-DIISOPROPYLPHENYL ISOCYANATE**mf: C₁₃H₁₇NO mw: 203.31

SYNS: BENZENE, 1,3-BIS(1-METHYLETHYL)-2-ISOCYANATO- □ 1,3-BIS(1-METHYLETHYL)-2-ISOCYANATOBENZENE □ ISOCYANIC ACID, 2,6-DIISOPROPYLPHENYL ESTER

TOXICITY DATA with REFERENCE:

ihl-rat LC50:47 mg/m³/4H EPASR* 8EHQ-0191-1160

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNS200 CAS: 330-64-3 HR: 3**3,5-DIISOPROPYLPHENYL-N-METHYLCARBAMATE**mf: C₁₄H₂₁NO₂ mw: 235.36

SYNS: 3,5-BIS(1-METHYLETHYL)PHENOL METHYLCARBAMATE □ 3,5-BIS(1-METHYLETHYL)PHENYL ESTER METHYLCARBAMIC ACID □ 3,5-BIS(1-METHYLETHYL)PHENYL METHYLCARBAMATE □ 3,5-DIISOPROPYLPHENOL METHYLCARBAMATE □ 3,5-DIISOPROPYLPHENYL METHYLCARBAMATE □ DIP □ ENT 25,780 □ HOOKER HRS-1422

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg TXAPA9 14,515,69
 ipr-rat LD50:267 mg/kg BWHOA6 44(1-3),241,71
 ivn-rat LD50:29,700 µg/kg BWHOA6 44(1-3),241,71
 ipr-mus LD50:31 mg/kg BECTA6 2,163,67
 orl-bwd LD50:10 mg/kg TXAPA9 21,315,72

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

DNS600 CAS: 2303-17-5 HR: 3**N-DIISOPROPYLTHIOCARBAMIC ACID S-2,3,3-TRICHLORO-2-PROPENYL ESTER**mf: C₁₀H₁₆Cl₃NOS mw: 304.68

PROP: Oil. Mp: 29–30°.

SYNS: AVADEx BW □ CP 23426 □ N-DIISOPROPYLTHIOCARBAMIC ACID-S-2,3,3-TRICHLOROALLYL ESTER □ N,N-DIISOPROPYL-2,3,3-TRICHLORALLYL-THIOCARBAMAT (GERMAN) □ DIISOPROPYLTRICHLOROALLYLTHIOCARBAMATE □ DIPHTAL □ FAR-GO □ 2,3,3-TRICHLORO-2-PROPENE-1-THIOL, DIISOPROPYLCARBAMATE □ TRIALLAT (GERMAN) □ TRIALLATE □ 2,3,3-TRICHLORALLYL-N,N-(DIISOPROPYL)-THIOCARBAMAT (GERMAN) □ 2,3,3-TRICHLOROALLYL DIISOPROPYLTHIOCARBAMATE □ S-2,3,3-TRICHLOROALLYL-N,N-DIISOPROPYLTHIOCARBAMATE

TOXICITY DATA with REFERENCE:

mma-sat 100 nmol/L BCPCA6 32,3739,83
 mma-bcs 50 µg/plate JAFCAU 29,268,81
 cyt-ham:ovr 100 µmol/L MUREAV 85,45,81
 orl-rat LD50:800 mg/kg 85JFAN A403,84
 skn-rat LDLo:3500 mg/kg GISAAA 33(7)37,68
 orl-mus LD50:930 mg/kg GISAAA 33(7)37,68

ihl-cat LCLo:400 mg/m³/4H GISAAA 33(7),37,68

skn-rbt LD50:2225 mg/kg 28ZEAL 5,226,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion and skin contact. Mutation data reported. An herbicide. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x. See also CARBAMATES and ESTERS.

DNS800 CAS: 2986-17-6 HR: 2
DIISOPROPYL THIOUREA

mf: C₇H₁₆N₂S mw: 160.31

SYNS: N,N'-BIS(1-METHYLETHYL)THIOUREA □ N,N'-DIISOPROPYLTHIOUREA □ 1,3-DIISOPROPYLTHIOUREA □ THIOUREA, N,N'-BIS(1-METHYLETHYL)-(9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:450 mg/kg JPETAB 90,260,47

orl-mus LDLo:1070 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 very toxic fumes of NO_x and SO_x.

DNT000 CAS: 38802-82-3 HR: 3
DIISOPROPYL TIN DICHLORIDE

mf: C₆H₁₄Cl₂Sn mw: 275.79

PROP: Colorless crystals. Sol in water. Mp: 84°

SYN: DICHLORODIISOPROPYLSTANNANE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:15 mg/kg JOCMA7 2,183,60

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.

DNT200 CAS: 49538-98-9 HR: 2
O,O-DIISOPROPYL-S-TRICYCLOHEXYLTIN PHOSPHORODITHIOATE

mf: C₂₄H₄₇O₂PS₂Sn mw: 581.49

SYNS: ((DIISOPROPROXYPHOSPHINOTHIOYL)THIO)TRICYCLOHEXYL STANNANE □ R-28627

TOXICITY DATA with REFERENCE:

orl-rat LD50:860 mg/kg SPEADM 74-1,-,74

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 very toxic fumes of SO_x and PO_x. See also TIN COMPOUNDS.

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

DNT300 CAS: 522-75-8 HR: 1
4,4'-DIISOTHIOINDIGO

mf: C₁₆H₈O₂S₂ mw: 296.36

SYNS: ANTINOLO RED B □ (Δ^{2,2'}(3H,3'H)-BIBENZO(b)-THIOPHENE)-3,3'-DIONE □ C.I. 73300 □ CIBA PINK B □ C.I. VAT RED 41 □ DURINDONE PRINTING RED B □ DURINDONE RED B □ DURINDONE RED BP □ HELIANE RED 5B □ HELINDON RED BB □ ISOTHIOINDIGO □ TETRA PINK B □ THIOINDIGO □ THIOINDIGO RED B □ THIOINDIGO RED S □ TINA PINK B □ TYRIAN RED A-5B □ VAT RED 5B

TOXICITY DATA with REFERENCE:

ipr-rat LD50:4170 mg/kg GISAAA 50(8),91,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNU000 CAS: 630-93-3 HR: 3
DILANTIN

mf: C₁₅H₁₁N₂O₂•Na mw: 274.27

PROP: Hygroscopic crystals with bitter, soapy taste.

SYNS: ALEPSIN □ ANTILEPSIN □ ANTISACER □ AURANILE □ CITRULLAMON □ DANTEN □ DANTOIN □ DENYL □ DENYLSODIUM □ DERIZENE □ DIFENIN □ DIFETOIN □ DIFHYDAN □ DI-HYDAN □ DIHYDANTOIN □ DILANTIN SODIUM □ DI-LEN □ DINTOINA □ DIPHANTOINE SODIUM □ DIPHEDAN □ DIPHENATE □ DIPHENIN □ DIPHENINE SODIUM □ DIPHENTOIN □ DIPHENYLAN SODIUM □ DIPHENYLHYDANTOIN SODIUM □ 5,5-DIPHENYLHYDANTOIN SODIUM □ 5,5-DIPHENYL-2,4-IMIDAZOLIDINE-DIONE, MONOSODIUM SALT □ DI-PHETINE □ DITON □ DIVULSAN □ DPH □ ENKEFAL □ EPAMIN □ EPANUTIN □ EPELIN □ EPIFENYL □ EPIHYDAN □ EPILAN-D □ EPILANTIN □ EPINAT □ EPTON □ FENANTOIN □ FENITON □ FENYTOINE □ HYDANTIN SODIUM □ HYDANTOIN SODIUM □ IDANTOIL □ IDANTOINAL □ LEPITOIN □ LEPITOIN SODIUM □ MINETOIN □ NOVANTOINA □ NOVODIPHENYL □ OM-HYDANTOINE SODIUM □ PHENYTOIN SODIUM □ SACERIL □ SDPH □ SODANTON □ SODIUM DIPHENYLHYDANTOIN □ SODIUM DIPHENYL HYDANTOINATE □ SODIUM-5,5-DIPHENYLHYDANTOINATE □ SODIUM-5,5-DIPHENYL-2,4-IMIDAZOLIDINEDIONE □ SOLANTOIN □ SOLANTYL □ SOLUBLE PHENYTOIN □ SYLANTOIC □ TACOSAL □ THIOPHENYT □ ZENTROPIL

TOXICITY DATA with REFERENCE:

dnd-esc 50 μmol/L MUREAV 89,95,81

pic-esc 100 mg/L VIRLAX 99,257,79

orl-man TDLo:70 mg/kg/17D-I:CNS,GIT,SKN NEJMAG 242,897,50

orl-wmn TDLo:4 mg/kg/D:END,SKN JAMAAP 176(6),491,61

orl-wmn LDLo:78 mg/kg:SKN,BLD,PUL ADSYAF 46,856,42

orl-man LDLo:647 mg/kg/21W-I:SKN AIMDAP 81,605,48

unr-man LDLo:29 mg/kg 85DCAI 2,73,70

orl-rat LD50:1530 mg/kg JPETAB 138,224,62

ipr-rat LD50:138 mg/kg IJPPAZ 10,5,66

ivn-rat LD50:104 mg/kg ARZNAD 33,1155,83
 scu-rat LD50:230 mg/kg NYKZAU 56,377,60
 orl-mus LD50:165 mg/kg IJEBA6 19,1047,81
 ipr-mus LD50:103 mg/kg ARZNAD 30,12,80
 scu-mus LD50:400 mg/kg BCPA6 17,369,68
 ivn-mus LD50:110 mg/kg ARZNAD 30,477,80
 ivn-dog LDLo:90 mg/kg ARPAAQ 28,761,39

CONSENSUS REPORTS: IARC Cancer Review:

Animal Sufficient Evidence IMEMDT 13,201,77.

Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen.

Experimental teratogen. Other experimental reproductive effects. Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: anorexia, respiratory depression, nausea or vomiting, hemorrhage, dermatitis, and endocrine effects. Mutation data reported. An anticonvulsant and cardiac depressant used for the treatment of grand mal and psychomotor seizures. When heated to decomposition it emits very toxic fumes of NO_x and Na₂O.

DNU100 CAS: 456-59-7 HR: 2
DILATIN

mf: C₁₇H₂₄O₃ mw: 276.41

PROP: Crystals. Mp: 50–53°, bp: 192–194°. Practically insol in water; sol in lipoids and their solvents.

SYNS: ARTO-ESPASMOL □ BS 572 □ CAPILAN □ CICLOSPASMOL □ CLANDILON □ CYCLANDELATE □ CYCLERGINE □ CYCLOBRAL □ CYCLOLYT □ CYCLOMAND-OL □ CYCLOSPASMOL □ α-HYDROXY-BENZENEACETIC ACID 3,3,5-TRIMETHYLCYCLOHEXYL ESTER (9CI) □ NATIL □ NOVODIL □ PEREBRAL □ SAICLATE □ SANCYCLAN □ SEPYRON □ SPASMIONE □ SPASMOCYCL-ON □ SPASMOCYCLONE □ 3,3,5-TRIMETHYLCYCLOHEXAN-OL-α-PHENYL-α-HYDROXYACETATE □ 3,5,5-TRIMETHYLCYCLOHEXYL AMYGDALATE □ 3,3,5-TRIMETHYLCYCLOHEXYL MANDELATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg NIIRDN 6,310,82
 ipr-rat LD50:2570 mg/kg AIPTAK 105,145,56
 ipr-mus LD50:3780 mg/kg AIPTAK 105,145,56
 ipr-dog LD50:2000 mg/kg AIPTAK 105,145,56
 orl-gpg LD50:3950 mg/kg AIPTAK 105,145,56
 ipr-gpg LD50:2480 mg/kg AIPTAK 105,145,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS.

DNU200 CAS: 849-55-8 HR: 3
DILATOL HYDROCHLORIDE

mf: C₁₉H₂₅NO₂•ClH mw: 335.91

SYNS: ARLIDIN HYDROCHLORIDE □ BUPHENINE HYDROCHLORIDE □ DILATYL □ p-HYDROXY-α-(1-((1-METHYL-3-PHENYLPROPYL)AMINO)ETHYL)BENZYL ALCOHOL HYDROCHLORIDE □ 1-p-HYDROXYPHENYL-2-(1'-METHYL-3'-PHENYLPROPYLAMINO)-1-PROPANOL HYDROCHLORIDE □ NYLIDRIN HYDROCHLORIDE □ SUPRIFEN PSB HYDROCHLORIDE □ VERINA

TOXICITY DATA with REFERENCE:

ipr-rat LD50:380 mg/kg 27ZQAG -,351,72

orl-mus LD50:250 mg/kg 27ZQAG -,351,72
 ipr-mus LD50:136 mg/kg YKYUA6 24,431,73
 ivn-mus LD50:40 mg/kg 27ZQAG -,351,72

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

DNU300 CAS: 71-68-1 HR: 3
DILAUDID

mf: C₁₇H₁₉NO₃•ClH mw: 321.83

PROP: A solid. Mp: 305–315° (decomp).

SYNS: DIHYDROMORPHINONE HYDROCHLORIDE □ DILAUDID HYDROCHLORIDE □ 4,5-α-EPOXY-3-HYDROXY-17-METHYLMORPHINAN-6-ONE HYDROCHLORIDE □ HYDROMORPHONE HYDROCHLORIDE □ HYMORPHAN

TOXICITY DATA with REFERENCE:

scu-rat LD50:51 mg/kg ARZNAD 3,238,53
 scu-mus LD50:120 mg/kg ARZNAD 3,238,53
 ivn-mus LD50:55 mg/kg TXAPA9 6,334,64
 ivn-cat LDLo:3 mg/kg AEPPAE 194,296,40
 ivn-rbt LDLo:2500 µg/kg AEPPAE 194,296,40

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Experimental teratogenic effects. A powerful analgesic. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also MORPHINE.

DNU310 CAS: 1421-28-9 HR: 3
DILAUDID HYDROCHLORIDE

mf: C₁₇H₂₁NO₃•ClH mw: 323.85

SYNS: DIHYDROMORPHINE HYDROCHLORIDE □ PARAMORFAN

TOXICITY DATA with REFERENCE:

scu-mus LDLo:149 mg/kg JPETAB 52,468,34
 ivn-mus LD50:55 mg/kg TXAPA9 6,334,64
 orl-rbt LDLo:800 mg/kg HBAMAK 4,1289,35
 scu-rbt LD50:50 mg/kg JPETAB 66,182,39
 par-rbt LDLo:142 mg/kg JPETAB 66,182,39
 scu-gpg LDLo:500 mg/kg HBAMAK 4,1289,35

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

DNU325 CAS: 2592-85-0 HR: 3
1,3-DILITHIOBENZENE

mf: C₆H₄Li₂ mw: 89.98

SAFETY PROFILE: An unstable explosive. See also LITHIUM COMPOUNDS and EXPLOSIVES.

DNU330 CAS: 32093-26-8 HR: 3
DILITHIUM N-ACETYL-L-ASPARTATE

mf: C₆H₇NO₅•2Li mw: 187.01

SYNS: L-ASPARTIC ACID, N-ACETYL-, DILITHIUM SALT □ AKF-94

TOXICITY DATA with REFERENCE:

ice-rat TDLo:1 mg/kg EJPHAZ 416,69,2001

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

DNU350 CAS: 15114-92-8 HR: 3
DILITHIUM-1,1-BIS(TRIMETHYLSILYL)-HYDRAZIDE

mf: $C_6H_{18}Li_2N_2Si_2$ mw: 188.27

SAFETY PROFILE: Ignites spontaneously in air. Ignites or explodes on contact with nitric acid, fluorine gas, or liquid ozone + oxygen. When heated to decomposition it emits toxic fumes of NO_x . See also LITHIUM COMPOUNDS.

DNU390 HR: D
DILL SEED OIL, AMERICAN TYPE

PROP: From steam distillation of the stalks, leaves, and seeds of *Anethum graveolens* L. Yellowish liquid. D: 0.884–0.900, refr index: 1.480 @ 20°. Sol in propylene glycol; insol in glycerin.

SYNS: DILL OIL □ DILL HERB OIL, AMERICAN TYPE

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

DNU392 HR: D
DILL SEED OIL, INDIAN TYPE

PROP: From steam distillation of the dried ripe fruit of *Anethum sowa* D.C. (Fam. *Umbelliferae* (FCC III)). Yellowish liquid; harsh caraway odor and taste. D: 0.925–0.980, refr index: 1.486 @ 20°. Sol in fixed oils and mineral oil; sltly sol in propylene glycol; insol in glycerin.

SYNS: DILL OIL, INDIAN TYPE □ DILL SEED OIL, INDIAN

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

DNU400 CAS: 8006-75-5 HR: 1
DILL SEED OIL, EUROPEAN TYPE

PROP: From steam distillation of the dried ripe fruit of *Anethum graveolens* L. (Fam. *Umbelliferae*). Yellowish liquid; caraway odor and taste. D: 0.890–0.915, refr index: 1.4836 @ 20°. Sol in fixed oils, mineral oil, and propylene glycol; insol in glycerin.

SYNS: DILL FRUIT OIL □ DILL HERB OIL □ DILL OIL □ DILL SEED OIL □ DILL WEED OIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20 (Suppl),673,82
 mma-sat 1 mg/plate JOPHDQ 3,236,80
 orl-rat LD50:4040 mg/kg FCTXAV 14,659,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNU600 CAS: 33286-22-5 HR: 3
DILTIAZEM HYDROCHLORIDE

mf: $C_{22}H_{26}N_2O_4S \cdot ClH$ mw: 451.02

PROP: A solid. Mp: 187–188°. Insol in C_6H_6 ; sol in H_2O , MeOH, and $CHCl_3$.

SYNS: ANGINYL □ CADIZEM □ CARDIEM □ CRD-401 □ CRP-401 □ DILZEM □ HERBESSER □ TILDIEM

TOXICITY DATA with REFERENCE:

orl-man TDLo:1286 $\mu g/kg/1D$ AIMEAS 99,794,83
 orl-wmn TDLo:19 mg/kg:SKN PGMJAO 64,467,88

orl-man TDLo:36 mg/kg/13D-I:SYS GASTAB 88,1260,85
 orl-rat LD50:560 mg/kg JPAAZ 22,467,72
 scu-rat LD50:520 mg/kg JPAAZ 22,467,72
 ivn-rat LD50:38 mg/kg JMGZAI 11(1),12,74
 orl-mus LD50:640 mg/kg JPAAZ 22,467,72
 ipr-mus LD50:177 mg/kg JMCMA 29,820,86
 scu-mus LD50:260 mg/kg JPAAZ 22,467,72
 ivn-mus LD50:58 mg/kg JPAAZ 22,467,72

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects by ingestion: fall in blood pressure, pulse rate decrease, gastrointestinal effects, dermatitis, fibrous hepatitis. Experimental reproductive effects. An experimental teratogen. When heated to decomposition it emits toxic fumes of SO_x , NO_x and HCl.

DNU850 CAS: 14465-96-4 HR: 3
DIMATIF

mf: $C_4H_{10}N_3PS$ mw: 163.20

SYNS: BIS(1-AZIRIDINYL)AMINOPHOSPHINE SULFIDE □ p,p-BIS(1-AZIRIDINYL)PHOSPHINOTHIOIC AMIDE □ DIETHYLENE IMINEAMIDOTHIOPHOSPHORIC ACID □ ENT 61,969

TOXICITY DATA with REFERENCE:

mno-smc 1 mg/L TGANAK 18,455,84
 cyt-hmn:lym 400 mg/L TGANAK 18,455,84
 sce-hmn:lym 2 mg/L TGANAK 16(2),34,82
 cyt-mus-unr 1 mg/kg TGANAK 18,455,84
 orl-rat LD50:66 mg/kg GISAAA 48(5),75,83
 orl-qal LD50:100 mg/kg JRPFA 48,371,76

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of PO_x , NO_x , and SO_x .

DNU860 CAS: 4076-02-2 HR: 2
DIMAVAL

mf: $C_3H_7O_3S_3 \cdot Na$ mw: 210.27

PROP: A solid. Mp: 229° (decomp).

SYNS: DIMAYAL □ 2,3-DIMERCAPTOPROPANE SODIUM SULFONATE □ 2,3-DIMERCAPTOPROPANESULFONIC ACID SODIUM SALT □ 2,3-DIMERCAPTO-1-PROPANESULFONIC ACID SODIUM SALT □ meso-DIMERCAPTOSUCCINIC ACID SODIUM SALT □ DMPS □ SODIUM-2,3-DIMERCAPTO-PROPANE-1-SULFONATE □ SODIUM-2,3-DITHIOLPROPANE-SULFONATE □ UNITHIOL □ UNITIOL □ UNITOL

TOXICITY DATA with REFERENCE:

cyt-hmn:lym 1 mmol/L CYGEDX 8(4),31,74
 ipr-rat LD50:1055 mg/kg ARZNAD 30,1291,80
 ipr-mus LD50:1098 mg/kg TXAPA 9 61,385,81

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and Na_2O .

DNU875 HR: 3
DIMEBON DIHYDROCHLORIDE

mf: $C_{22}H_{22}N_3 \cdot 2ClH$ mw: 401.39

SYN: 9-(2-(2-METHYLPYRIDYL-5)ETHYL)-3,6-DIMETHYL-1,2,3,4-TETRAHYDRO- γ -CARBOLINE 2HCl

TOXICITY DATA with REFERENCE:

orl-rat LD50:1132 mg/kg RPTOAN 48,103,85
 ipr-rat LD50:160 mg/kg RPTOAN 48,103,85
 ivn-rat LD50:59 mg/kg RPTOAN 48,103,85
 orl-mus LD50:486 mg/kg FATOAO 47(3),75,84
 ipr-mus LD50:145 mg/kg RPTOAN 48,103,85
 scu-mus LD50:465 mg/kg FATOAO 47(3),75,84
 ivn-mus LD50:90,500 µg/kg FATOAO 47(3),75,84

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

DNV000 CAS: 1165-48-6 HR: 3
DIMEFLINE

mf: C₂₀H₂₁NO₃ mw: 323.42

SYNS: 8-(DIMETHYLAMINOMETHYL)-7-METHOXY-3-METHYLFLAVONE □ 8-((DIMETHYLAMINO)METHYL)-7-METHOXY-3-METHYL-2-PHENYLFLAVONE □ DW 62 □ MALIVAN □ N-(7-METHOXY-3-METHYL-4-OXO-2-PHENYL-4H-CHROMEN-8-YL)METHYL-N,N-DIMETHYLAMINE □ REANIMIL □ REC 7/0267 □ REMEFLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:40 mg/kg RPOBAR 1,423,64
 ipr-rat LD50:6 mg/kg TXAPA9 18,185,71
 ivn-rat LD50:1800 µg/kg RPOBAR 1,423,64
 rec-rat LD50:10 mg/kg RPOBAR 1,423,64
 orl-mus LD50:12 mg/kg RPOBAR 1,423,64

ipr-mus LD50:4800 µg/kg J MPCAS 3,471,61
 scu-mus LD50:4 mg/kg RPOBAR 1,423,64
 ivn-dog LDLo:1 mg/kg RPOBAR 1,423,64

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

DNV200 CAS: 2740-04-7 HR: 3
DIMEFLINE HYDROCHLORIDE

mf: C₂₀H₂₁NO₃•ClH mw: 359.88

SYNS: DEMEFLINE □ 8-(DIMETHYLAMINO)METHYL)-7-METHOXY-3-METHYLFLAVONE HYDROCHLORIDE □ 8-((DIMETHYLAMINO)METHYL)-7-METHOXY-3-METHYL-2-PHENYL-4H-1-BENZOPYRAN-4-ONE HYDROCHLORIDE □ DW 62 □ 3-METHYL-7-METHOXY-8-(DIMETHYLAMINO-METHYL)-FLAVONE HYDROCHLORIDE □ NSC-114650 □ REC 7/0267 □ REMEFLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:14 mg/kg NIIRDN 6,345,82
 orl-mus LD50:12 mg/kg JPETAB 128,176,60
 ipr-mus LD50:5 mg/kg JPETAB 128,176,60
 scu-mus LD50:4 mg/kg JPETAB 128,176,60

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

DNV600 CAS: 27292-46-2 HR: 2
2,3-DIMERCAPTOPROPYL-p-TOLYSULFIDE

mf: C₁₀H₁₄S₃ mw: 230.42

SYN: ANTARSIN

TOXICITY DATA with REFERENCE:

orl-rat LDLo:2000 mg/kg FATOAO 30(2),226,67

ipr-rat LDLo:1000 mg/kg FATOAO 30(2),226,67

scu-rat LDLo:7000 mg/kg FATOAO 30(2),226,67

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of SO_x. See also MERCAPTANS.

DNV610 CAS: 2418-14-6 HR: 2
2,3-DIMERCAPTOSUCCINIC ACID

mf: C₄H₆O₄S₂ mw: 182.22

SYNS: BUTANEDIOIC ACID, 2,3-DIMERCAPTO-(9CI) □ 2,3-DIMERCAPTIBUTANEDIOIC ACID □ DIMERCAPTOSUCCINIC ACID □ α-β-DIMERCAPTOSUCCINIC ACID □ SUCCINIC ACID, 2,3-DIMERCAPTO- □ SUXIMER

TOXICITY DATA with REFERENCE:

orl-rat LD50:4 g/kg YHHPAL 15,335,80
 orl-mus LD50:6 g/kg YHHPAL 15,335,80
 ipr-mus LD50:2478 mg/kg ARTODN 61,321,88

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 SO_x.

DNV800 CAS: 304-55-2 HR: 2
meso-2,3-DIMERCAPTOSUCCINIC ACID

mf: C₄H₆O₄S₂ mw: 182.22

PROP: Crystals from EtOAc. Mp: 210–211° (decomp); dependent on rate of heating.

SYNS: (R*,S*)-2,3-DIMERCAPTIBUTANEDIOIC ACID □ meso-DIMERCAPTOSUCCINIC ACID □ DIM-SA □ DMS □ DMSA □ DTS □ Ro 1-7977 □ SUCCIMER

TOXICITY DATA with REFERENCE:

orl-rat TDLo:1 g/kg (female 6-15D post):REP JTEHD6 30,191,90

orl-mus LD50:>5011 mg/kg CRTXB2 20,83,89

ipr-mus LD50:500 mg/kg NTIS** AD691-490

scu-mus LD50:1725 mg/kg AIPTAK 131,283,61

ivn-rbt LDLo:2700 mg/kg AIPTAK 131,283,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal, intravenous, and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x. See also MERCAPTANS.

DNW000 CAS: 63869-15-8 HR: 3
DIMERCUROUS METHANE ARSONATE

mf: CH₃AsO₃•2Hg mw: 539.14

SYN: METHANEARSONIC ACID DIMERCURY SALT

TOXICITY DATA with REFERENCE:

ipr-mus LD50:75 mg/kg NTIS** AD691-490

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

OSHA PEL: TWA 0.5 mg(As)/m³; CL 0.1 mg(Hg)/m³ (skin)

ACGIH TLV: BEI: 35 µ(As)/L inorganic arsenic and methylated metabolites in urine; 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, Organo) TWA 0.01 mg/m³; STEL 0.03 mg/m³ (skin)

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

DNW200 CAS: 12529-66-7 HR: 3
DIMERCURY IMIDE OXIDE

mf: (HHg₂NO)_n
(Hg:N⁺:HgOH⁻)_n

PROP: Yellow crystals. IDLH 10 mg/m³ (as Hg).

SYNS: MILLON'S BASE ANHYDRIDE □ POLY(DIMERCURY-IMMONIUM HYDROXIDE)

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

SAFETY PROFILE: A severe explosion hazard if touched or heated. When heated to decomposition it emits toxic fumes of Hg and NO_x. See also MERCURY COMPOUNDS.

DNW400 CAS: 125-64-4 HR: 3
DIMERIN

mf: C₁₀H₁₇NO₂ mw: 183.28

SYNS: 3,3-DIETHYL-2,4-DIOXO-5-METHYLPYPERIDINE □ 3,3-DIETHYL-5-METHYL-2,4-PIPERIDINEDIONE □ 3,3-DIETHYL-5-METHYLPYPERIDINE-2,4-DIONE □ 2,4-DIOXY-3,3-DIETHYL-5-METHYLPYPERIDINE □ METHYPROLON □ METHYPRYLON □ METIPRILONE □ NOCTAN □ NOLUDAR □ RO 1-6463

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:600 mg/kg:CNS,PUL JAMAAP 198,1213,66
orl-hmn TDLo:26 mg/kg:CNS CTOXAO 6,563,73
orl-rat LD50:860 mg/kg 27ZQAG -,264,72
scu-rat LD50:400 mg/kg 27ZQAG -,264,72
ivn-rat LD50:380 mg/kg 27ZQAG -,264,72
orl-mus LD50:890 mg/kg JPETAB 118,139,56
ipr-mus LD50:1000 mg/kg 27ZQAG -,264,72
ivn-mus LD50:275 mg/kg 27ZQAG -,264,72
orl-dog LD50:300 mg/kg CLDND*,264,72
scu-rbt LD50:500 mg/kg 27ZQAG -,264,72
ivn-rbt LD50:315 mg/kg 27ZQAG -,264,72

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Moderately toxic by intraperitoneal routes. Human systemic effects by ingestion: general anesthesia, sleep disorder, motor activity and pulmonary changes. When heated to decomposition it emits toxic fumes of NO_x.

DNW700 CAS: 4757-55-5 HR: 3
DIMETACRINE

mf: C₂₀H₂₆N₂ mw: 294.48

PROP: Free base. Bp: (1) 200°.

SYNS: DIMETHACIN □ DIMETHACINE □ 9,9-DIMETHYL-10-(3-(DIMETHYLAMINO)PROPYL)ACRIDAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1850 mg/kg IYKEDH 6,530,75
ipr-rat LD50:181 mg/kg IYKEDH 6,530,75

scu-rat LD50:1076 mg/kg IYKEDH 6,530,75
orl-mus LD50:1293 mg/kg IYKEDH 6,530,75
ipr-mus LD50:206 mg/kg IYKEDH 6,530,75
scu-mus LD50:676 mg/kg IYKEDH 6,530,75
ivn-mus LD50:39,600 µg/kg IYKEDH 6,530,75

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

DNW759 CAS: 32865-01-3 HR: 3
di-DIMETANE MALEATE

mf: C₁₆H₁₉BrN₂•C₄H₄O₄ mw: 435.36

PROP: Crystals. Mp: 133–134.5°.

SYNS: (±)-2-(p-BROMO-α-(2-(DIMETHYLAMINO)ETHYL)BENZYL)PYRIDINE MALEATE □ di-BROMOPHENIRAMINE MALEATE □ (±)-BROMPHENIRAMINE MALEATE □ di-BROMOPHENIRAMINE MALEATE □ (±)-(Z)-γ-(4-BROMOPHENYL)-N,N-DIMETHYL-2-PYRIDINEPROPANAMINE 2-BUTENEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

orl-rat LD50:161 mg/kg CMTRAG 3,120,61
ipr-rat LD50:113 mg/kg CMTRAG 3,120,61
orl-mus LD50:147 mg/kg CMTRAG 3,120,61
ipr-mus LD50:109 mg/kg CMTRAG 3,120,61
ivn-mus LD50:26 mg/kg CMTRAG 3,120,61
orl-gpg LD50:245 mg/kg CMTRAG 3,120,61

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

DNW800 CAS: 2303-47-1 HR: 2
cis-1,4-DIMETHANE SULFONOXY-2-BUTENE

mf: C₆H₁₂O₆S₂ mw: 244.30

TOXICITY DATA with REFERENCE:

sln-dmg-par 10 mmol/L JOGNAU 54,146,56
skn-mus TDLo:480 mg/kg/10W-I:NEO CNREA8 17,64,57

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

DNX000 CAS: 1953-56-6 HR: 2
trans-1,4-DIMETHANE SULFONOXY-2-BUTENE

mf: C₆H₁₂O₆S₂ mw: 244.30

SYNS: CB 2095 □ 2-BUTENE-1,4-DIOL, DIMETHANESULFONATE, (E)-

TOXICITY DATA with REFERENCE:

sln-dmg-par 10 mmol/L JOGNAU 54,146,56

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

DNX200 CAS: 2917-96-6 HR: 2
1,4-DIMETHANE SULFONOXY-2-BUTYNE

mf: C₆H₁₀O₆S₂ mw: 242.28

SYN: CB2058

TOXICITY DATA with REFERENCE:

sln-dmg-par 10 mmol/L JOGNAU 54,146,56

sln-dmg-unk 10 mmol/L ANYAA9 160,228,69

SAFETY PROFILE: Questionable carcinogen with experimental neoplastic data by skin contact. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x. See also ACETYLENE COMPOUNDS.

DNX300 CAS: 1001-62-3 HR: 3
DIMETHANESULFONYL PEROXIDE

mf: C₂H₆O₆S₂ mw: 190.19

PROP: Crystals.

SAFETY PROFILE: Decomposes explosively after melting at 79°C. When heated to decomposition it emits toxic fumes of SO_x. See also PEROXIDES.

DNX400 CAS: 2773-92-4 HR: 3
DIMETHISOQUIN HYDROCHLORIDE

mf: C₁₇H₂₄N₂O•ClH mw: 308.89

PROP: Off white powder. Mp: 144–148°. Insol in Et₂O; sol in H₂O, EtOH, and CHCl₃.

SYNS: 3-BUTYL-1-(2-(DIMETHYLAMINO)ETHOXY)ISOQUINOLINE HYDROCHLORIDE □ 2-((3-BUTYL-1-ISOQUINOLINYL)OXY)-N,N-DIMETHYLETHANAMINE MONOHYDROCHLORIDE □ 1-(β-DIMETHYLAMINOETHOXY)-3-N-BUTYLISOQUINOLINE HYDROCHLORIDE □ 1-(β-DIMETHYLAMINOETHOXY)-3-N-BUTYLISOQUINOLINE MONOHYDROCHLORIDE □ ISOCHINOL □ PRURALGAN □ PRURALGIN □ QUOTANE □ QUOTANE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:45 mg/kg JPETAB 103,306,51

ivn-mus LD50:8 mg/kg ARZNAD 18,729,68

ivn-rbt LD50:5 mg/kg JPETAB 103,306,51

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

DNX500 CAS: 8015-19-8 HR: 3
DIMETHISTERONE and ETHINYL ESTRADIOL

mf: C₂₃H₃₂O₂•C₂₀H₂₄O₂ mw: 636.99

SYNS: ETHINYL ESTRADIOL and DIMETHISTERONE □ ORACON □ OVIN □ SECROVIN

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:244 mg/kg/8Y-I:CAR AJOGAH 123,299,75

orl-wmn TDLo:92 mg/kg/3Y-I:CAR OBGNAS 47,639,76

SAFETY PROFILE: Suspected human carcinogen producing uterine tumors. Human reproductive effects by ingestion: abnormalities of the uterus, cervix, and vagina. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes.

DNX600 CAS: 116-01-8 HR: 3
DIMETHOATE-ETHYL

mf: C₆H₁₄NO₃PS₂ mw: 243.30

SYNS: AMERICAN CYANAMID 18706 □ B/77 □ O,O-DIMETHYL-S-(N-ETHYLCARBAMOYLMETHYL) DITHIOPHOSPHATE □ O,O-DIMETHYL-S-(N-ETHYLCARBAMOYLMETHYL) PHOSPHORODITHIOATE □ EI-18706 □ ENT 25,506 □ ETHOATE METHYL □ S-(2-(ETHYLAMINO-2-OXOETHYL))-O,O-DIMETHYL PHOSPHORODITHIOATE □ S-(N-ETHYLCARBAMOYLMETHYL) DIMETHYL PHOSPHORODITHIOATE □ FITIOS □

FITIOS B/77 □ N-MONOETHYLAMIDE of O,O-DIMETHYLDITHIOPHOSPHORYLACETIC ACID □ PHOSPHOROTHIOIC ACID-S-(2-(ETHYLAMINO)-2-OXOETHYL)-O,O-DIMETHYLESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:125 mg/kg WRPCA2 9,119,70

skn-rat LD50:2000 mg/kg WRPCA2 9,119,70

ims-rat LD50:250 mg/kg FRPSAX 21,443,66

orl-mus LD50:350 mg/kg SPEADM 74-1,-74

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

DNX800 CAS: 1113-02-6 HR: 3
DIMETHOATE OXYGEN ANALOG

mf: C₅H₁₂NO₄PS mw: 213.21

PROP: Oil. D: 1.32 @ 20°/4°. Misc in H₂O; almost insol in hexane.

SYNS: O-ANALOG of DIMETHOATE □ BAY 45432 □ BAYER 45,432 □ DIMETHOATE O-ANALOG □ DIMETHOATE PO ISOLOGUE □ DIMETHOXON □ O,O-DIMETHYL-S-(N-METHYL-CARBAMOYL)-METHYL)MONOTHIOFOSFAAT (DUTCH) □ O,O-DIMETHYL-S-(N-METHYL-CARBAMOYL)-METHYL-MONOTHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-S-(METHYLCARBAMOYL)METHYL)-HOSPHOROTHIOATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL)PHOSPHOROTHIOATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL) PHOSPHOROTHIOATE □ DIMETHYL-S-(N-METHYL-CARBAMOYL-METHYL)-PHOSPHOROTHIOATE □ O,O-DIMETHYL-S-(N-METHYLCARBAMOYLMETHYL) THIOPHOSPHATE □ O,O-DIMETHYL-S-(2-OXO-3-AZABUTYL)-MONOTHIOPHOSPHATE □ O,O-DIMETHYL-S-(N-METIL-CARBAMOYL)-METILMONOTIOFOSFATO (ITALIAN) □ ENT 25,776 □ FOLIMAT □ OMETHOAT □ OMETHOATE □ PHOSPHOROTHIOIC ACID, O,O-DIMETHYL S-(2-(METHYLAMINO)-2-OXOETHYL) ESTER □ PO-DIMETHOATE □ THIOPHOSPHATE de O,O-DIETHYLE et de S-(N-METHYLCARBAMOYL) METHYLE (FRENCH)

TOXICITY DATA with REFERENCE:

mno-esc 5 µL/plate MUREAV 28,405,75

orl-rat LD50:30 mg/kg FMCHA2 -,C144,91

skn-rat LD50:700 mg/kg WRPCA2 9,119,70

orl-mus LD50:24 mg/kg PCBPBS 1,248,71

ipr-mus LD50:180 mg/kg ACPMAP 16,7,63

orl-cat LD50:50 mg/kg 85DPAN -,71/76

orl-rbt LD50:50 mg/kg 85DPAN -,71/76

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Mutation data reported. An insecticide. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x.

DNY000 CAS: 94-15-5 HR: 3
DIMETHOCAINE

mf: C₁₆H₂₆N₂O₂ mw: 278.44

SYNS: 3-(DIETHYLAMINO)-2,2-DIMETHYL-1-PROPANOL-p-AMINOBENZOATE □ LAROCAINE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:380 mg/kg AEPPAE 168,447,32

ivn-mus LDLo:40 mg/kg PHREA7 12,190,32

scu-rbt LDLo:150 mg/kg PHREA7 12,190,32

ivn-rbt LDLo:150 mg/kg PHREA7 12,190,32

scu-gpg LDLo:200 mg/kg PHREA7 12,190,32

par-frg LDLo:200 mg/kg AEPPAE 168,447,32

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

DNY400 CAS: 17210-48-9 HR: 2

3,4'-DIMETHOXY-4-AMINOAZOBENZENE

mf: C₁₄H₁₅N₃O₂ mw: 257.32

SYN: 4-((p-METHOXYPHENYL)AZO)-o-ANISIDINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:10 g/kg/24W-C:ETA GANNA2 59,131,68

orl-man TDLo:642 µg/kg:BLD,BIO IARC** 27,39,82

CONSENSUS REPORTS: IARC Cancer Review: Human Inadequate Evidence IMEMDT 27,39,82; Animal Inadequate Evidence IMEMDT 27,39,82.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Human systemic effects by ingestion: methemoglobinemia-carboxyhemoglobinemia, and changes in porphyrin metabolism. When heated to decomposition it emits toxic fumes of NO_x.

DNY500 CAS: 2735-04-8 HR: 2

2,4-DIMETHOXYANILINE

mf: C₈H₁₁NO₂ mw: 153.20

PROP: Plates from pet ether or oil. Mp: 32.5–33.5°, bp: 75–80° @ 0.0006 mm.

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate ENMUDM 7(Suppl 5),1,85

otr-rat:emb 55 µg/plate JJATDK 1,190,81

orl-rat LD50:464 mg/kg NCILB* NCI-E-C-72-3252,73

orl-mus LD50:1 g/kg NCILB* NCI-E-C-72-3252,73

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. See also ANILINE DYES.

DNY800 CAS: 6448-90-4 HR: 1

1,5-DIMETHOXYANTHRAQUINONE

mf: C₁₆H₁₂O₄ mw: 268.28

PROP: Pale-yellow needles from EtOH. Mp: 236°.

SYNS: 1,5-DIMETHOXY-9,10-ANTHRACENEDIONE □ 1,5-DIMETHOXYANTHRACHINON (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,113,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNZ100 CAS: 476-70-0 HR: 3
1,10-DIMETHOXY-6a-α-APORPHINE-2,9-DIOL

mf: C₁₉H₂₁NO₄ mw: 327.41

PROP: d-Form: Crystals from ether. Mp: 162–164°. Very sltly sol in water or ether; sol in alcohol, chloroform, dilute acids. dl-Form: Mp: 159–162°.

SYNS: BOLDIN □ BOLDINE □ (+)-BOLDINE □ (S)-BOLDINE □ (+)-(S)-BOLDINE □ (S)-5,6,6a,7-TETRAHYDRO-1,10-DIMETHOXY-6-METHYL-4H-DIBENZO(de,g)QUINOLINE-2,9-DIOL □ UNIBOLDINA

TOXICITY DATA with REFERENCE:

mmo-smc 50 mg/L MUREAV 260,145,91

mr-c-smc 100 mg/L MUREAV 260,145,91

orl-mus LD50:450 mg/kg APFRAD 38,537,80

ipr-mus LD50:170 mg/kg APFRAD 38,537,80

ivn-mus LD50:90 mg/kg APFRAD 38,537,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DNZ200 CAS: 86-51-1 HR: 3

2,3-DIMETHOXYBENZALDEHYDE

mf: C₉H₁₀O₃ mw: 166.18

TOXICITY DATA with REFERENCE:

orl-rat TDLo:7.3 mg/kg BIPBU* 24,1277,2001

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

DOA000 CAS: 16354-53-3 HR: 2

7,12-DIMETHOXYBENZ(a)ANTHRACENE

mf: C₂₀H₁₆O₂ mw: 288.36

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

DOA200 CAS: 91-16-7 HR: 2

o-DIMETHOXYBENZENE

mf: C₈H₁₀O₂ mw: 138.18

PROP: Crystals from pet ether. Mp: 22.5°, bp: 206° @ 759 mm.

SYNS: 1,2-DIMETHOXYBENZENE □ PYROCATECHOL DIMETHYL ETHER □ VERATROL □ VERATROLE

TOXICITY DATA with REFERENCE:

orl-rat LD50:890 mg/kg GTPZAB 26(2),54,82

orl-mus LD50:700 mg/kg GTPZAB 26(2),54,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOA400 CAS: 150-78-7 HR: 3

p-DIMETHOXYBENZENE

mf: C₈H₁₀O₂ mw: 138.18

PROP: Colorless leaflets or plates, odor of sweet clover. Mp: 55–56°, bp: 212.6°, d: 1.053 @ 55°/55°.

SYNS: DIMETHYL ETHER HYDROQUINONE □ DIMETHYLHYDROQUINONE □ DIMETHYLHYDROQUINONE ETHER □ DMB □ QUINOL DIMETHYL ETHER □ USAF AN-9 □ USAF UCTL-1791

TOXICITY DATA with REFERENCE:

skn-rbt 6 g/12D-I MLD JIHTAB 31,79,49

skn-rbt 500 mg/24H MOD FCTXAV 16,715,78

skn-gpg 40%/24H MOD FCTXAV 16,715,78

orl-rat LD50:3600 mg/kg FCTXAV 16,715,78

ipr-rat LD50:1100 mg/kg JIHTAB 31,79,49

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. A skin irritant. Flammable when exposed to heat or flame; can react with oxidizing materials. See also ETHERS.

DOA800 CAS: 20325-40-0 HR: 3
3,3'-DIMETHOXYBENZIDINE DIHYDRO-CHLORIDE

mf: $C_{14}H_{16}N_2O_2 \cdot 2ClH$ mw: 317.24

SYNS: C.I. DISPERSE BLACK 6 DIHYDROCHLORIDE □ o-DIANISIDINE DIHYDROCHLORIDE □ 3,3-DIMETHOXY-(1,1'-BIPHENYL)-4,4'-DIAMINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mno-sat 100 nmol/plate MUREAV 136,33,84

mma-sat 10 nmol/plate EMMUEG 10,263,87

orl-rat TDLo:1040 mg/kg/1Y-I:CAR,REP JNCIAM 41,985,68

scu-mus TDLo:1152 mg/kg/2Y-I:ETA,REP VOONAW 25(7),43,79

CONSENSUS REPORTS: NTP Carcinogenesis Studies (Gavage); Clear Evidence: rat NCITR* NTP-TR-372,90. Reported in EPA TSCA Inventory.

NIOSH REL: (Benzidine-Based Dye) Reduce to lowest feasible level

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Experimental reproductive data. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

DOA810 CAS: 64466-47-3 HR: 3
4,7-DIMETHOXY-2-BENZOFURANYL METHYL KETONE

mf: $C_{12}H_{12}O_4$ mw: 220.24

SYNS: 1-(4,7-DIMETHOXY-2-BENZOFURANYL)ETHANONE □ ETHANONE, 1-(4,7-DIMETHOXY-2-BENZOFURANYL)-(9CI) □ KETONE, 4,7-DIMETHOXY-2-BENZOFURANYL METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:900 mg/kg EJMCA5 12,383,77

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DOA815 CAS: 64466-48-4 HR: 3
6,7-DIMETHOXY-2-BENZOFURANYL METHYL KETONE

mf: $C_{12}H_{12}O_4$ mw: 220.24

SYNS: 1-(6,7-DIMETHOXY-2-BENZOFURANYL)ETHANONE □ ETHANONE, 1-(6,7-DIMETHOXY-2-BENZOFURANYL)-(9CI) □ KETONE, 6,7-DIMETHOXY-2-BENZOFURANYL METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1200 mg/kg EJMCA5 12,383,77

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DOA820 CAS: 64466-49-5 HR: 3
1-(5,8-DIMETHOXY-2H-1-BENZOPYRAN-3-

YL)ETHANONE

mf: $C_{13}H_{14}O_4$ mw: 234.27

SYNS: 5,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL METHYL KETONE □ ETHANONE, 1-(5,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL)-(9CI) □ KETONE, 5,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1500 mg/kg EJMCA5 12,383,77

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DOA830 CAS: 64466-50-8 HR: 3
1-(7,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL)ETHANONE

mf: $C_{13}H_{14}O_4$ mw: 234.27

SYNS: 7,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL METHYL KETONE □ ETHANONE, 1-(7,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL)-(9CI) □ KETONE, 7,8-DIMETHOXY-2H-1-BENZOPYRAN-3-YL METHYL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1200 mg/kg EJMCA5 12,383,77

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DOA875 HR: 3
β-(2,4-DIMETHOXY-5-BENZYL BENZOYL)-PROPIONIC ACID SODIUM SALT

mf: $C_{19}H_{19}O_5 \cdot Na$ mw: 350.34

SYNS: 3-(4,6-DIMETHOXY-α-PHENYL-m-TOLUOYL)-PROPIONIC ACID SODIUM SALT □ SC-2657

TOXICITY DATA with REFERENCE:

orl-mus LD50:1140 mg/kg JPETAB 100,421,50

ipr-mus LD50:225 mg/kg JPETAB 100,421,50

ivn-dog LDLo:113 mg/kg JPETAB 100,421,50

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Na_2O .

DOB200 CAS: 10143-66-5 HR: 2
1,3-DIMETHOXYBUTANE

mf: $C_6H_{14}O_2$ mw: 118.20

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:3730 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:8000 ppm AIHAAP 23,95,62

skn-rbt LD50:10 g/kg AIHAAP 23,95,62

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

DOB275 HR: 3
β-(2,4-DIMETHOXY-5-CYCLOHEXYLBENZOYL)-PROPIONIC ACID

mf: $C_{18}H_{24}O_5$ mw: 320.42

TOXICITY DATA with REFERENCE:

ivn-rat LD50:300 mg/kg AIPTAK 116,154,58
 orl-mus LD50:400 mg/kg AIPTAK 116,154,58
 scu-mus LD50:300 mg/kg AIPTAK 116,154,58

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits acrid smoke and fumes.

DOB300 HR: 3
 β -(2,4-DIMETHOXY-5-CYCLOHEXYLBENZOYL)-
PROPIONIC ACID SODIUM SALT

mf: $C_{18}H_{23}O_5 \cdot Na$ mw: 342.36

SYN: SC-2644

TOXICITY DATA with REFERENCE:

orl-mus LD50:1020 mg/kg JPETAB 100,421,50
 ipr-mus LD50:214 mg/kg JPETAB 100,421,50
 ivn-dog LDLo:107 mg/kg JPETAB 100,421,50

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Na_2O .

DOB325 HR: 3
 β -(2,4-DIMETHOXY-5-CYCLOPENTYLMETHYL-
BENZOYL)PROPIONIC ACID SODIUM SALT

mf: $C_{18}H_{23}O_5 \cdot Na$ mw: 342.36

SYNS: 3-(α -CYCLOPENTYL-4,6-DIMETHOXY-m-TOLUOYL)-
 PROPIONIC ACID SODIUM SALT \square SC-2798

TOXICITY DATA with REFERENCE:

orl-mus LD50:1060 mg/kg JPETAB 100,421,50
 ipr-mus LD50:148 mg/kg JPETAB 100,421,50
 ivn-dog LDLo:74 mg/kg JPETAB 100,421,50

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Na_2O .

DOB600 CAS: 63040-49-3 HR: 2
5,6-DIMETHOXYDIBENZ(a,h)ANTHRACENE

mf: $C_{24}H_{18}O_2$ mw: 338.42

SYNS: 3,4-DIMETHOXY-DBA \square 3,4-DIMETHOXY-1,2,5,6-DIBENZANTHRACENE

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

DOC000 CAS: 41226-20-4 HR: 3
4,7-DIMETHOXY-6-(2-DIISOPROPYLAMINO-
ETHOXY)-5-(p-METHOXYCINNAMOYL)-
BENZOFURAN OXALATE

mf: $C_{28}H_{35}NO_6 \cdot C_2H_2O_4$ mw: 571.68

TOXICITY DATA with REFERENCE:

orl-mus LD50:185 mg/kg CHTPBA 8,479,73
 ivn-mus LD50:13 mg/kg CHTPBA 8,479,73

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

DOC800 CAS: 26270-60-0 HR: 3
4,7-DIMETHOXY-6-(2-DIMETHYLAMINO-
ETHOXY)-5-(p-FLUOROCINNAMOYL)-

BENZOFURAN MALEATE

mf: $C_{23}H_{25}FNO_5 \cdot C_4H_4O_4$ mw: 530.57

TOXICITY DATA with REFERENCE:

orl-mus LD50:430 mg/kg CHTPBA 8,479,73
 ivn-mus LD50:14 mg/kg CHTPBA 8,479,73

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

DOD200 CAS: 52171-41-2 HR: 3
4-,7-DIMETHOXY-6-(2-DIMETHYLAMINO-
ETHOXY)-5-(p-HYDROXYCINNAMOYL)-
BENZOFURAN OXALATE

mf: $C_{23}H_{25}NO_6 \cdot C_2H_2O_4$ mw: 501.53

TOXICITY DATA with REFERENCE:

orl-mus LD50:640 mg/kg CHTPBA 8,479,73
 ivn-mus LD50:35 mg/kg CHTPBA 8,479,73

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

DOD400 CAS: 52171-37-6 HR: 3
4,7-DIMETHOXY-6-(2-DIMETHYLAMINO-
ETHOXY)-5-(p-ISOPROPOXYCINNAMOYL)-
BENZOFURAN MALEATE

mf: $C_{26}H_{31}NO_6 \cdot C_4H_4O_4$ mw: 569.66

TOXICITY DATA with REFERENCE:

orl-mus LD50:300 mg/kg CHTPBA 8,479,73
 ivn-mus LD50:27 mg/kg CHTPBA 8,479,73

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

DOD600 CAS: 26270-59-7 HR: 3
4,7-DIMETHOXY-6-(2-DIMETHYLAMINO-
ETHOXY)-5-(p-METHOXYCINNAMOYL)-
BENZOFURAN MALEATE

mf: $C_{24}H_{27}NO_6 \cdot C_4H_4O_4$ mw: 541.60

PROP: A solid. Mp: 128–129°.

TOXICITY DATA with REFERENCE:

orl-mus LD50:255 mg/kg CHTPBA 8,479,73
 ivn-mus LD50:25 mg/kg CHTPBA 8,479,73

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

DOE000 CAS: 7549-37-3 HR: 1
1,1-DIMETHOXY-3,7-DIMETHYL-2,6-OCTADI-
ENE (cis and trans)

mf: $C_{12}H_{22}O_2$ mw: 198.34

SYNS: CITRAL DIMETHYL ACETAL \square 1,1-DIMETHOXY-3,7-DIMETHYL-2,6-OCTADIENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 11,1065,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOE100 CAS: 1112-39-6 HR: 1

DIMETHOXYDIMETHYLSILANEmf: C₄H₁₂O₂Si mw: 120.25**SYNS:** AY 43-004 □ DIMETHYLDIMETHOXYDOPAMINE □ KBM 22 □ SILANE, DIMETHOXYDIMETHYL- □ TSL 8112 □ TSL 8117**TOXICITY DATA with REFERENCE:**

eye-rbt 100 µL/24H MOD IJTOFN 19,343,2000

ihl-rat LC :>21,350 mg/m³/4H NTIS** OTS0539962**SAFETY PROFILE:** Low toxicity by inhalation. A moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**DOE200 CAS: 120-20-7 HR: 3****3,4-DIMETHOXYDOPAMINE**mf: C₁₀H₁₅NO₂ mw: 181.26**PROP:** Crystals from C₆H₆/pet ether. Mp: 124°, bp: 188° @ 15 mm, d: 1.08 @ 28°/4°, vap d: 6.25.**SYNS:** DIMETHOXYDOPAMINE □ 3,4-

DIMETHOXYPHENETHYLAMINE □ 3,4-DIMETHOXY-β-PHENETHYLAMINE □ DIMETHOXYPHENYLETHYLAMINE □ 3,4-DIMETHOXYPHENYLETHYLAMINE □ 3,4-DIMETHOXY-β-PHENYLETHYLAMINE □ β-(3,4-DIMETHOXYPHENYL)-ETHYLAMINE □ 2-(3,4-DIMETHOXYPHENYL)ETHYLAMINE □ 3,4-DIMETHOXYPHENYLETHYLAMINE (base) □ DIMETHYL-MESCALINE □ DIMPEA □ DMPE □ DMPEA □ HOMOVERATRYLAMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:181 mg/kg YKKZAJ 97,117,77

ivn-mus LD50:56 mg/kg CSLNX* NX#04483

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**DOE600 CAS: 110-71-4 HR: 3****1,2-DIMETHOXYETHANE****DOT:** UN 2252mf: C₄H₁₀O₂ mw: 90.14
CH₃OC₂H₄OCH₃**PROP:** Liquid; sharp, ethereal odor. D: 0.86877, mp: -58°, bp: 82-83°, n: (24/D) 1.3739, flash p: 4.5°C (40°F). Miscible with water and alc; sol in hydrocarbon solvents.**SYNS:** DIMETHOXYETHANE □ α,β-DIMETHOXYETHANE □ 1,2-DIMETHOXYETHANE (DOT) □ DIMETHYLCELLSOLV □ 2,5-DIOXAHEXANE □ EGDME □ ETHYLENE DIMETHYL ETHER □ ETHYLENE GLYCOL DIMETHYL ETHER □ GLYCOL DIMETHYL ETHER □ GLYME □ MONOETHYLENE GLYCOL DIMETHYL ETHER □ MONOGLYME**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:1960 mg/kg (7-10D preg):TER NISFAY 32,113,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Glycol ether compounds are on the Community Right-To-Know List.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** An experimental teratogen. Other experimental reproductive effects. Readily forms an explosive peroxide. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Mixture with lithium tetrahydroaluminate may ignite or explode if heated. When heated to decomposition it emits acrid smoke and fumes. See also GLYCOL ETHERS.**DOF000 CAS: 10232-93-6 HR: 2****DI(2-METHOXYETHYL) MALEATE**mf: C₁₀H₁₆O₆ mw: 232.26**SYN:** BIS(2-METHOXYETHYL)ESTER MALEIC ACID**TOXICITY DATA with REFERENCE:**

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

eye-rbt 100 mg open AMIHBC 4,119,51

orl-rat LD50:3340 mg/kg AMIHBC 4,119,51

skn-rbt LD50:1940 mg/kg AMIHBC 4,119,51

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**DOF200 CAS: 22575-95-7 HR: 3****DI(2-METHOXYETHYL)PEROXYDICARBONATE**mf: C₈H₁₄O₈ mw: 238.20
(CH₃OC₂H₄OCO•O-)₂**SAFETY PROFILE:** Explodes when heated to 34°C. When heated to decomposition it emits acrid smoke and fumes. See also PEROXIDES.**DOF400 CAS: 117-82-8 HR: 3****DIMETHOXY ETHYL PHTHALATE**mf: C₁₄H₁₈O₆ mw: 282.32**PROP:** Light-colored, clear liquid; mild aromatic odor.

Mp: -40° (forms gel), bp: 190-210° @ 4 mm, flash p: 360°F, d: 1.171 @ 20°/20°, vap press: 0.3 mm @ 150°, vap d: 9.75.

SYNS: 1,2-BENZENEDICARBOXYLIC ACID BI(2-METHOXY-ETHYL)ESTER (9CI) □ BIS(METHOXYETHYL) PHTHALATE □ BIS(2-METHOXYETHYL) PHTHALATE □ DI(2-METHOXY-ETHYL)PHTHALATE □ DMPE □ KESSCOFLEX MCP □ 2-METHOXYETHYL PHTHALATE □ PHTHALIC ACID BIS(2-METHOXYETHYL) ESTER**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD KODAK* #902511

skn-gpg 500 mg MLD KODAK* #902511

spm-rat-orl 1500 mg/kg ARTODN 53,71,83

dlt-mus-ipr 1190 mg/kg TXAPA9 29,35,74

orl-rat LDLo:2750 mg/kg 29ZWAE -,356,68

ihl-rat LCLo:1595 ppm/16H 14CYAT 2,1904,63

ipr-rat LD50:3735 mg/kg JPMSAE 61,51,72

ipr-mus LD50:2510 mg/kg 34ZIAG -,691,69

orl-gpg LD50:1600 mg/kg 14CYAT 2,1904,63

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by inhalation.Experimental teratogenic and reproductive effects. A skin and eye irritant. Mutation data reported. A pesticide. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use water, foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**DOF430 CAS: 117559-89-4 HR: D**
1,2-DIMETHOXY-4-(2-FLUOROETHYL)BENZENEmf: C₁₀H₁₃FO₂ mw: 184.23**SYN:** BENZENE, 1,2-DIMETHOXY-4-(2-FLUOROETHYL)-**TOXICITY DATA with REFERENCE:**

mrc-smc 1 g/L MUREAV 369,175,1996

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

DOF440 CAS: 161436-13-1 HR: D
1,2-DIMETHOXY-4-(2-FLUORO-2-PROPENYL)-BENZENE

mf: C₁₁H₁₃FO₂ mw: 196.24

SYN: BENZENE, 1,2-DIMETHOXY-4-(2-FLUORO-2-PROPENYL)-

TOXICITY DATA with REFERENCE:

mrc-smc 1 g/L MUREAV 369,175,1996

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

DOF600 CAS: 134-96-3 HR: 2
3,5-DIMETHOXY-4-HYDROXYBENZALDEHYDE

mf: C₉H₁₀O₄ mw: 182.19

PROP: A solid. Mp: 113–114°, bp: 192–193° @ 14 mm.

SYNS: GALLALDEHYDE-3,5-DIMETHYL ETHER □

SYRINGALDEHYDE □ SYRINGEALDEHYDE □ SYRINGIC ALDEHYDE □ SYRINGYLALDEHYDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1000 mg/kg JMCMA 7,178,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOF630 CAS: 57061-77-5 HR: 2
1-(3,5-DIMETHOXY-4-HYDROXYCINNAMOYL)-4-HEXAHYDROAZEPINYLCARBONYLMETHYL PIPERAZINE

mf: C₂₃H₃₃N₃O₅ mw: 431.59

SYN: PIPERAZINE, 1-(3,5-DIMETHOXY-4-HYDROXY-CINNAMOYL)-4-HEXAHYDROAZEPINYLCARBONYLMETHYL-

TOXICITY DATA with REFERENCE:

orl-mus LDLo:>2 g/kg EJMCA 5 10,373,1975

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

DOF650 CAS: 57061-73-1 HR: 2
4-(3,5-DIMETHOXY-4-HYDROXYCINNAMOYL)-N-PROPYL-1-PIPERAZINEACETAMIDE

mf: C₂₀H₂₉N₃O₅ mw: 391.52

SYN: 1-PIPERAZINEACETAMIDE, 4-(3,5-DIMETHOXY-4-HYDROXYCINNAMOYL)-N-PROPYL-

TOXICITY DATA with REFERENCE:

orl-mus LDLo:>2 g/kg EJMCA 5 10,373,1975

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

DOF800 CAS: 52171-42-3 HR: 3
4,7-DIMETHOXY-5-(p-HYDROXYCINNAMOYL)-6-(2-PYRROLIDINYLETHOXY)BENZOFURAN MALEATE

mf: C₂₅H₂₇NO₆·C₄H₄O₄ mw: 553.61

TOXICITY DATA with REFERENCE:

orl-mus LD50:1700 mg/kg CHTPBA 8,479,73

ivn-mus LD50:40 mg/kg CHTPBA 8,479,73

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

DOF900 CAS: 16503-95-0 HR: 3
7,8-DIMETHOXYISOQUINOLINE

mf: C₁₁H₁₁NO₂ mw: 189.21

SYN: ISOQUINOLINE, 7,8-DIMETHOXY-

TOXICITY DATA with REFERENCE:

orl-rat TDLo:19.4 mg/kg BIPBU* 24,1277,2001

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

DOG600 CAS: 15589-00-1 HR: 3
2,5-DIMETHOXY-4-METHYLAMPHETAMINE HYDROCHLORIDE

mf: C₁₂H₁₉NO₂·ClH mw: 245.78

SYNS: 2,5-DIMETHOXY-α,4-DIMETHYLPHENETHYLAMINE HYDROCHLORIDE □ 1-(2,5-DIMETHOXY-4-METHYLPHENYL)-2-AMINOPROPANE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:32,500 µg/kg TXAPA9 45(1),49,78

orl-mus LD50:330 mg/kg TXAPA9 45(1),49,78

ipr-mus LD50:89 mg/kg JMCMA 13,26,70

ivn-mus LD50:36 mg/kg TXAPA9 45(1),49,78

ivn-dog LD50:7200 µg/kg TXAPA9 45(1),49,78

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. A central nervous system stimulant. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also BENZEDRINE.

DOG700 CAS: 1125-88-8 HR: 2
DIMETHOXYMETHYLBENZENE

mf: C₉H₁₂O₂ mw: 152.21

SYNS: BENZALDEHYDE, DIMETHYL ACETAL □ DIMETHOXYPHENYLMETHANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 17,711,79

orl-rat LD50:1220 mg/kg FCTXAV 17,711,79

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.

DOG800 CAS: 76306-39-3 HR: 2
3,4-DIMETHOXY-3',4'-METHYLENEDIOXY-STILBENE

mf: C₁₇H₁₆O₄ mw: 284.31

SYN: 1,3-BENZODIOXOLE, 5-(2-(3,4-DIMETHOXYPHENYL)-ETHENYL)-, (E)-

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.

DOH400 CAS: 3027-21-2 HR: 2
DIMETHOXYMETHYLPHENYLSILANE

mf: C₉H₁₄O₂Si mw: 182.3**PROP:** Bp: 96° @ 21 mm.**SYNS:** DIMETHOXYPHENYLMETHYLSILANE □ METHYL-PHENYLDIMETHOXSILANE □ PHENYLMETHYLDI-METHOXSILANE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:892 mg/kg GTPZAB 22(2),50,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**DOI400 CAS: 635-85-8 HR: 3**
3,4-DIMETHOXYPHENETHYLAMINE
HYDROCHLORIDEmf: C₁₀H₁₅NO₂•ClH mw: 217.72**PROP:** A solid. Mp: 154–155°.**SYN:** 3,4-DIMETHOXY-β-PHENYLETHYLAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:146 mg/kg TXAPA9 25,299,73

ipr-mus LD50:363 mg/kg TXAPA9 25,299,73

ivn-dog LD50:122 mg/kg TXAPA9 25,299,73

ivn-mky LD50:220 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:375 mg/kg TXAPA9 25,299,73

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DOJ200 CAS: 91-10-1 HR: 3**
2,6-DIMETHOXYPHENOLmf: C₈H₁₀O₃ mw: 154.18**PROP:** A solid. Mp: 55–56°, bp: 262–267°. Sltly sol in H₂O.**SYNS:** ALDRICH □ 1,3-DIMETHYL PYROGALLATE □ PYROGALLOL DIMETHYLETHER □ PYROGALLOL-1,3-DIMETHYL ETHER □ SYRINGOL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:550 mg/kg FOMDAK 32,309,91

orl-mus LD50:2500 mg/kg BCTKAG 14,301,84

ivn-cat LDLo:100 mg/kg BJPCBM 53,93,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS.**DOJ400 CAS: 69782-26-9 HR: 3**
(2-(2,5-DIMETHOXYPHENOXY)ETHYL)-
HYDRAZINE HYDROCHLORIDEmf: C₁₀H₁₆N₂O₃•ClH mw: 248.74**TOXICITY DATA with REFERENCE:**

orl-mus LD50:125 mg/kg JMCMA 6,63,63

ipr-mus LD50:125 mg/kg JMCMA 6,63,63

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also HYDRAZINE.**DOJ600 CAS: 69782-18-9 HR: 3**
(2-(3,4-DIMETHOXYPHENOXY)ETHYL)-
HYDRAZINE HYDROCHLORIDEmf: C₁₀H₁₆N₂O₃•ClH mw: 248.74**TOXICITY DATA with REFERENCE:**

orl-mus LD50:90 mg/kg JMCMA 6,63,63

ipr-mus LD50:90 mg/kg JMCMA 6,63,63

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also HYDRAZINE.**DOJ700 CAS: 27318-87-2 HR: 2**
3-(3,5-DIMETHOXYPHENOXY)-1,2-
PROPANEDIOLmf: C₁₁H₁₆O₅ mw: 228.27**SYN:** 3-(3',5'-DIMETHOXYPHENOXY)PROPANEDIOL-(1,2)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2100 mg/kg ARZNAD 24,111,74

ipr-rat LD50:955 mg/kg ARZNAD 24,111,74

orl-mus LD50:2070 mg/kg ARZNAD 24,111,74

ipr-mus LD50:780 mg/kg ARZNAD 24,111,74

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits acrid smoke and fumes.**DOJ800 CAS: 24973-25-9 HR: 3**
1-(2,5-DIMETHOXYPHENYL)-2-
AMINOPROPANEmf: C₁₁H₁₇NO₂•ClH mw: 231.75**SYNS:** 2,5-DIMETHOXYAMPHETAMINE HYDROCHLORIDE □ 2,5-DIMETHOXY-α-METHYLBENZENEETHANAMINE HYDROCHLORIDE □ 2,5-DIMETHOXY-α-METHYL-PHENETHYLAMINE HYDROCHLORIDE □ 2,5-DIMETHOXY-α-METHYL-β-PHENYLETHYLAMINE HYDROCHLORIDE □ β-(2,5-DIMETHOXYPHENYL)ISOPROPYLAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 10 mg/plate MUREAV 56,199,77

ipr-rat LD50:63 mg/kg TXAPA9 45,49,78

ipr-mus LD50:135 mg/kg JMCMA 13,26,70

ivn-mus LD50:39 mg/kg TXAPA9 45,49,78

ivn-dog LD50:26 mg/kg TXAPA9 45,49,78

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.**DOK000 CAS: 13078-75-6 HR: 3**
1-(3,4-DIMETHOXYPHENYL)-2-AMINO-
PROPANEmf: C₁₁H₁₇NO₂•ClH mw: 231.75**SYNS:** 3,4-DIMETHOXYAMPHETAMINE HYDROCHLORIDE □ 3,4-DIMETHOXY-α-METHYL-β-PHENYLETHYLAMINE-HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:48 mg/kg TXAPA9 25,299,73

ipr-mus LD50:168 mg/kg TXAPA9 25,299,73

ivn-dog LD50:59 mg/kg TXAPA9 25,299,73

ivn-mky LD50:53 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:195 mg/kg TXAPA9 25,299,73

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

DOK200 CAS: 6358-53-8 HR: 3
1-((2,5-DIMETHOXYPHENYL)AZO)-2-NAPHTHOL

mf: $\text{C}_{18}\text{H}_{16}\text{N}_2\text{O}_3$ mw: 308.36

PROP: Mp: 156° . Sltly water-sol; mod sol in alc.

SYNS: C.I. 12156 □ C.I. SOLVENT RED 80 □ CITRUS RED No. 2 □ 2,5-DIMETHOXYBENZENEAZO- β -NAPHTHOL □ 1-((2,5-DIMETHOXYPHENYL)AZO)-2-NAPHTHALENOL □ 2,5-DIMETHOXY-1-(PHENYLAZO)-2-NAPHTHOL □ 1-(1-(2,5-DIMETHOXYPHENYL)AZO)-2-NAPHTHOL □ 1-(2,5-DIMETHYLOXYPHENYL)AZO)-2-NAPHTHOL

TOXICITY DATA with REFERENCE:

mno-sat 500 $\mu\text{g}/\text{plate}$ MUREAV 56,249,78

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 8,101,75. EPA Genetic Toxicology Program.

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

DOK400 CAS: 26011-83-6 HR: 3
3-(2,4-DIMETHOXYPHENYL)CROTONIC ACID MAGNESIUM SALT

mf: $\text{C}_{24}\text{H}_{26}\text{O}_8 \cdot \text{Mg}$ mw: 466.81

SYNS: DIMECROTIC ACID MAGNESIUM SALT □ 2,4-DIMETHOXY- β -METHYLCINNAMIC ACID MAGNESIUM SALT □ HEPADIAL

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1000 $\mu\text{g}/\text{kg}$ MEIEDD 10,466,83

ipr-mus LD50:1300 $\mu\text{g}/\text{kg}$ MEIEDD 10,466,83

SAFETY PROFILE: A deadly poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes. Stimulates the production of bile by the liver. See also MAGNESIUM COMPOUNDS.

DOK500 CAS: 104775-36-2 HR: 1
3-((2-((2-(3,4-DIMETHOXYPHENYL)ETHYL)-AMINO)-2-OXOETHYL)AMINO)-N-METHYLBENZAMIDE

mf: $\text{C}_{20}\text{H}_{25}\text{N}_3\text{O}_4$ mw: 371.48

SYNS: BENZAMIDE, 3-((2-((2-(3,4-DIMETHOXYPHENYL)-ETHYL)AMINO)-2-OXOETHYL)AMINO)-N-METHYL- □ 3-((2-(3,4-DIMETHOXYPHENYL)ETHYL)CARBAMOYLMETHYL)AMINO)-N-METHYLBENZAMIDE □ DQ2511

TOXICITY DATA with REFERENCE:

orl-rat LD :>5 g/kg YACHDS 24(Suppl 5),S663,1996

orl-mus LD :>5 g/kg YACHDS 24(Suppl 5),S663,1996

orl-dog LD :>250 mg/kg YACHDS 24(Suppl 5),S663,1996

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

DOK600 CAS: 2801-68-5 HR: 3
2-(2,5-DIMETHOXYPHENYL)ISOPROPYLAMINE

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

SYN: C 1739

TOXICITY DATA with REFERENCE:

ipr-rat LD50:170 mg/kg ARZNAD 8,708,58

scu-mus LD50:375 mg/kg ARZNAD 8,708,58

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

DOL400 CAS: 64050-54-0 HR: 3
2-((DIMETHOXYPHOSPHINYLOXY)-1H-BENZ(d,e)ISOQUINOLINE-1,3(2H)-DIONE

mf: $\text{C}_{14}\text{H}_{12}\text{NO}_6\text{P}$ mw: 321.24

SYN: PHOSPHORIC ACID, DIMETHYL ESTER, ester with N-HYDROXYNAPHTHALIMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:70 mg/kg TXAPA9 21,315,72

orl-bwd LD50:2400 $\mu\text{g}/\text{kg}$ TXAPA9 21,315,72

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

DOL800 CAS: 25601-84-7 HR: 3
3-(DIMETHOXYPHOSPHINYLOXY)-N-METHYL-N-METHOXY-cis-CROTONAMIDE

mf: $\text{C}_8\text{H}_{16}\text{NO}_6\text{P}$ mw: 253.22

SYNS: CIBA C-2307 □ ENT 27,625 □ 3-HYDROXY-N-METHOXY-N-METHYL-cis-CROTONAMIDE, DIMETHYL PHOSPHATE □ METHOCROTOPHOS □ (E)-(3-(METHOXYMETHYLAMINO)-1-METHYL-3-OXO-1-PROPENYL)DIMETHYL PHOSPHATE □ NSC-195154

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 mg/kg BESAAT 15,107,69

orl-mus LD50:2 mg/kg BESAAT 15,107,69

orl-dog LD50:7 mg/kg BESAAT 15,107,69

orl-rbt LD50:11 mg/kg BESAAT 15,107,69

skn-rbt LD50:107 mg/kg BESAAT 15,107,69

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

DOM100 CAS: 24991-55-7 HR: D
DIMETHOXY POLYETHYLENE GLYCOL

mf: $(\text{C}_2\text{H}_4\text{O})_n \cdot \text{C}_2\text{H}_6\text{O}$

SYNS: GLYCOLS, POLYETHYLENE, DIMETHYL ETHER □ GLYME-23 □ α - ω -METHOXPOLY(ETHYLENE OXIDE) □ POLYETHYLENE GLYCOL DIMETHYL ETHER □ POLY(OXY-1,2-ETHANEDIYL), α -METHYL- ω -METHOXY-(9CI) □ POLYOXYETHYLENE DIMETHYL ETHER □ SELEXOL

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

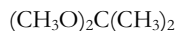
DOM200 CAS: 4744-10-9 HR: 3
1,1-DIMETHOXYPROPANE

mf: $\text{C}_5\text{H}_{12}\text{O}_2$ mw: 104.15

$(\text{CH}_3\text{O})_2\text{CHCH}_2\text{CH}_3$

PROP: A liquid. Flash p: 50°F , bp: 89° .

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

DOM400 CAS: 77-76-9 HR: 3**2,2-DIMETHOXYPROPANE**mf: C₅H₁₂O₂ mw: 104.15**PROP:** A liquid. Flash p: 19.4°F, bp: 83° @ 20 mm.**SAFETY PROFILE:** A very dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to 210°C it burns with a cool flame and then explodes. Explosive reaction with metal perchlorates (e.g., manganese(II) perchlorate; nickel(II) perchlorate) above 65°C. When heated to decomposition it emits acrid smoke and fumes.**DOM600 CAS: 6044-68-4 HR: 3****3,3-DIMETHOXYPROPENE**mf: C₅H₁₀O₂ mw: 102.14**PROP:** A liquid. Flash p: 66.2°F, bp: 40° @ 120 mm.**SAFETY PROFILE:** A very dangerous fire hazard when exposed to heat, flame oxidizers. May form dangerous peroxides upon exposure to air. When heated to decomposition it emits acrid smoke and fumes. See also ALLYL COMPOUNDS.**DOM625 CAS: 19060-10-7 HR: D****3,3-DIMETHOXYPROPIONALDEHYDE**mf: C₅H₁₀O₃ mw: 118.15**SYN:** MALONAL, 3,3-DIMETHYL ACETAL**TOXICITY DATA with REFERENCE:**

mic-bac-sat 1 µmol/plate CNREA8 40,276,80

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**DOM700 CAS: 122931-48-0 HR: 2****1-(4,6-DIMETHOXYPYRIMIDIN-2-YL)-3-(3-ETHYLSULFONYL-2-PYRIDYLSULFONYL)-UREA**mf: C₁₄H₁₇N₅O₇S₂ mw: 431.48**SYNS:** N-(((4,6-DIMETHOXY-2-PYRIMIDINYL)AMINO)-CARBONYL)-3-(ETHYLSULFONYL)-2-PYRIDINESULFONAMIDE □ 2-PYRIDINESULFONAMIDE, N-(((4,6-DIMETHOXY-2-PYRIMIDINYL)AMINO)CARBONYL)-3-(ETHYLSULFONYL)-**TOXICITY DATA with REFERENCE:**

orl-rat LD50: >5 g/kg PEMNDP 9,297,91

ihl-rat LC50: 5200 mg/m³/4H PEMNDP 9,297,91

skn-rbt LD50: >2 g/kg PEMNDP 9,297,91

SAFETY PROFILE: Moderately toxic by skin contact route. Low toxicity by ingestion and inhalation routes. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DON000 CAS: 26270-61-1 HR: 3****4,7-DIMETHOXY-6-(2-PYRROLIDINYLETHOXY)-5-CINNAMOYLBENZOFURAN MALEATE**mf: C₂₅H₂₇NO₅•C₄H₄O₄ mw: 537.61**TOXICITY DATA with REFERENCE:**

orl-mus LD50: 250 mg/kg CHTPBA 8,479,73

ivn-mus LD50: 10 mg/kg CHTPBA 8,479,73

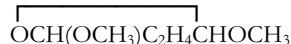
SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**DON200 CAS: 15233-65-5 HR: 3****2,6-DIMETHOXYQUINOL**mf: C₈H₁₀O₄ mw: 170.18**SYNS:** 2,6-DIMETHOXY-1,4-BENZENEDIOL □ 2,6-DIMETHOXYHYDROQUINONE □ 3,5-DIMETHOXYHYDRO-QUINONE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50: 35 mg/kg BJPCBM 53,93,75

ivn-cat LDLo: 30 mg/kg BJPCBM 53,93,75

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating fumes.**DON400 CAS: 23435-31-6 HR: 3****2',5'-DIMETHOXYSTILBENAMINE**mf: C₁₆H₁₇NO₂ mw: 255.34**SYNS:** (trans)-2,5-DIMETHOXY-4'-AMINOSTILBENE □ 4-(2,5-DIMETHOXYPHENETHYL)ANILINE □ 4-(2-(2,5-DIMETHOXY-PHENYL)ETHYL)BENZENAMINE □ 4-(2,5-DIMETHOXY)-STILBENAMINE □ 2,5-DIMETHOXY-4'-STILBENAMINE**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x.**DON700 CAS: 1230-33-7 HR: 2****3,6-DIMETHOXY-4-SULFANILAMIDO-PYRIDAZINE**mf: C₁₂H₁₄N₄O₄S mw: 310.36**SYNS:** CS-61 □ N-(3,6-DIMETHOXY-4-PYRIDAZINYL)-SULFANILAMIDE □ 4-SULFANILAMIDO-3,6-DIMETHOXY-PYRIDAZINE**TOXICITY DATA with REFERENCE:**

orl-mus LD50: 2050 mg/kg ARZNAD 15,1441,65

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.**DON800 CAS: 696-59-3 HR: 3****2,5-DIMETHOXYTETRAHYDROFURAN**mf: C₆H₁₂O₃ mw: 131.16**PROP:** Colorless liquid. Bp: 145–147, vap d: 4.56, flash p: <50°F, d: 1.023 @ 20°. Misc in EtOH, C₆H₆, Me₂CO, Et₂O.**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 TETRAHYDROFURAN.**DOO400 CAS: 6483-64-3 HR: 2****3,3'-DIMETHOXYTRIPHENYLMETHANE-4,4'-BIS(1''-AZO-2''-NAPHTHOL)**mf: C₄₁H₃₂N₄O₄ mw: 644.77**SYN:** 1,1'-(BENZYLIDENE)BIS((2-METHOXY-p-PHENYLENE))-(AZO))DI-2-NAPHTHOL

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOO600 CAS: 534-15-6 HR: 3
DIMETHYLACETAL

DOT: UN 2377

mf: C₄H₁₀O₂ mw: 90.14

PROP: Colorless liquid; strong aromatic odor. Bp: 64.5°, flash p: 34°F, d: 0.848 @ 25°, vap d: 3.1.

SYNS: ACETALDEHYDE DIMETHYL ACETAL □ 1,1-DIMETHOXYETHANE (DOT) □ DIMETHYL ALDEHYDE □ ETHYLIDENE DIMETHYL ETHER □ METHYL FORMYL

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD JIHTAB 31,60,49

eye-rbt 20 mg open JIHTAB 31,60,49

orl-rat LD50:6500 mg/kg JIHTAB 31,60,49

ihl-rat LC50:3000 ppm/4H AMIHAB 12,623,55

orl-rbt LD50:4507 mg/kg PSEBAA 29,730,32

skn-rbt LD50:20 g/kg JIHTAB 31,60,49

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Mildly toxic by inhalation, ingestion, and skin contact. A skin and eye irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. When exposed to heat or flame it 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. See also GLYCOL ETHERS.

DOO800 CAS: 127-19-5 HR: 2
N,N-DIMETHYLACETAMIDE

mf: C₄H₉NO mw: 87.14

PROP: Colorless oily liquid; weak fishy odor. Mp: -20°, bp: 165°, d: 0.943 @ 20°/4°, vap d: 3.01, vap press: 1.3 mm @ 25°, flash p: 171°F (TOC), lel: 1.8%, uel: 11.5% @ 740 mm and 160°. Misc in water. IDLH 300 ppm.

SYNS: ACETDIMETHYLAMIDE □ ACETIC ACID DIMETHYLAMIDE □ DIMETHYLACETAMIDE □ DIMETHYLACETONE AMIDE □ DIMETHYLAMIDE ACETATE □ DMA □ DMAC □ NSC-3138 □ U-5954

TOXICITY DATA with REFERENCE:

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

eye-rbt 100 mg MLD DCTODJ 9,147,86

dni-mus-unr 4400 mg/kg APHGAO 56,97,86

orl-rat LD50:4930 mg/kg DCTODJ 9,147,86

ihl-rat LC50:2475 ppm/1H DCTODJ 9,147,86

ipr-rat LD50:2750 mg/kg JRPFA4 4,219,62

ivn-rat LD50:2640 mg/kg ARZNAD 26,1581,76

orl-mus LD50:4620 mg/kg ARZNAD 26,1581,76

ihl-mus LC50:7200 mg/m³ CHYCDW 13,29,79

skn-mus LD50:9600 mg/kg CHYCDW 13,29,79

ipr-mus LD50:2800 mg/kg YKIGAK 31,327,80

ivn-mus LD50:3020 mg/kg ARZNAD 26,1581,76

skn-rbt LD50:2240 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 ppm (skin)

ACGIH TLV: TWA 10 ppm (skin); Not Classifiable as a Human Carcinogen; BEI: 30 mg/g creatinine of N-methylacetamide in urine at end of shift

DFG MAK: 10 ppm (36 mg/m³)

SAFETY PROFILE: Moderately toxic by skin contact, inhalation, intravenous, and intraperitoneal routes. Mildly toxic by ingestion. Experimental teratogenic and reproductive effects. A skin and eye irritant. Less toxic than dimethylformamide. Mutation data reported. Combustible when exposed to heat and flame. A moderate explosion hazard. Violent reaction with halogenated compounds (e.g., carbon tetrachloride, hexachlorocyclohexane) when heated above 90°C. Iron powder catalyzes the reaction so that it initiates at 71°C. When heated to decomposition it emits toxic fumes of NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Dimethylacetamide, 2004.

DOO900 CAS: 22900-79-4 HR: D
3,5-DIMETHYLACETAMINOPHEN

mf: C₁₀H₁₃NO₂ mw: 179.24

SYNS: ACETAMIDE, N-(3,5-DIMETHYL-4-HYDROXYPHENYL)- □ ACETAMIDE, N-(4-HYDROXY-3,5-DIMETHYLPHENYL)- □ 3',5'-ACETOXYLIDIDE, 4'-HYDROXY- □ 3,5-DIMETHYL-4-HYDROXYACETANILIDE □ 3,5-DIMETHYLPARACETAMOL

TOXICITY DATA with REFERENCE:

dni-ham-lng 1800 µmol/L MUTAEX 3,51,1988

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

DOP000 CAS: 2044-64-6 HR: 1
N,N-DIMETHYLACETOACETAMIDE

mf: C₆H₁₁NO₂ mw: 129.18

PROP: Liquid, misc in water and org solvs. Bp: 220°, d: 1.049-1.052 @ 20°/20°, flash p: 252°F (COC).

SYN: N,N-DIMETHYL-3-OXOBUTANAMIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,728,86

eye-rbt 500 mg/24H MLD 85JCAE -,728,86

orl-rat LD50:22,600 mg/kg AIHAAP 23,95,62

skn-rbt LD50:14,100 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin and eye irritant. Combustible when exposed to heat or flame. To fight fire, use water, fog, mist, CO₂, foam. When heated to decomposition it emits toxic fumes of NO_x.

DOP200 CAS: 13265-60-6 HR: 3
O,O-DIMETHYL-S-(2-(ACETYLAMINO)ETHYL)-DITHIOPHOSPHATE

mf: C₆H₁₄NO₃PS₂ mw: 243.30

SYNS: S-(2-(ACETYLAMINO)ETHYL)-O,O-DIMETHYL PHOSPHORODITHIOATE □ AMIPHOS □ CP 49674 □ DAEP □ O,O-DIMETHYL-S-(2-ACETAMIDOETHYL) ESTER PHOSPHORODITHIOIC ACID □ O,O-DIMETHYL-S-(2-

ACETYLAMINOETHYL) PHOSPHORODITHIOATE □ N-(O,O-DIMETHYLPHOSPHORODITHIOYL)ETHYL)ACETAMIDE □ ENT 27,346 □ MONSANTO CP-49674 □ NSC-190945 □ PHOSPHORODITHIOIC ACID, O,O-DIMETHYL ESTER, S-ESTER with N-(2-MERCAPTOETHYL)ACETAMIDE

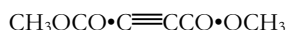
TOXICITY DATA with REFERENCE:

orl-rat LD50:220 mg/kg ARSIM* 20,16,66
ihl-rat LCLo:40 mg/m³/4H 85GMAT -,55,82
skn-rat LD50:375 mg/kg 85GMAT -,55,82
orl-mus LD50:146 mg/kg 85GMAT -,55,82
skn-mus LD50:472 mg/kg OYYAA2 1,57,67
ipr-mus LD50:117 mg/kg OYYAA2 1,57,67
scu-mus LD50:245 mg/kg OYYAA2 1,57,67
skn-mky LD50:400 mg/kg OYYAA2 1,57,67

SAFETY PROFILE: Poison by ingestion, skin contact, intraperitoneal, and subcutaneous routes. Experimental teratogenic and reproductive effects. When heated to decomposition it emits very toxic NO_x, PO_x, and SO_x. See also MERCAPTANS.

DOP400 CAS: 762-42-5 HR: 3
DIMETHYL ACETYLENEDICARBOXYLIC ACID

mf: C₆H₆O₄ mw: 142.12



PROP: Bp: 98° @ 20 mm.

SYNS: ACETYLENEDICARBOXYLIC ACID, DIMETHYL ESTER □ 1,2-BIS(METHOXYCARBONYL)ETHYNE □ DI(CARBO-METHOXY)ACETYLENE □ DIMETHYL ETHYNEDICARBOXYLATE □ METHYL ACETYLENEDICARBOXYLATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:50 mg/kg NCNSA6 5,13,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. A dienophile. Explosive reaction with 1-methylsilacyclopenta-2,4-diene at 150°C. Octakis(trifluorophosphine)dirhodium catalyzes explosive polymerization of the acid above 20°C. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

DOP600 CAS: 30560-19-1 HR: 3
O,S-DIMETHYLACETYLPHOSPHOROAMIDOTHIOATE

mf: C₄H₁₀NO₃PS mw: 183.18

SYNS: ACEPHAT (GERMAN) □ ACEPHATE □ ACETYL-PHOSPHORAMIDOTHIOIC ACID-O,S-DIMETHYL ESTER □ CHEVRON RE 12,420 □ ENT 27,822 □ ORTHENE □ ORTHENE-755 □ ORTHO 12420 □ ORTRAN □ ORTRIL □ RE 12420 □ 75 SP

TOXICITY DATA with REFERENCE:

mno-sat 3 mg/plate NTIS** PB80-133226
mrc-smc 50,000 ppm NTIS** PB80-133226
mmo-esc 5 µL/plate MUREAV 28,405,75
dns-hmn:fbr 1 g/L NTIS** PB80-133226
msc-mus:lym 1 g/L NTIS** PB84-138973
orl-rat LD50:700 mg/kg MEIEDD 10,5,83
orl-mus LD50:233 mg/kg CHYCDW 14,226,80
ihl-mus LCLo:2200 mg/m³/5H TXAPA9 45,232,78
orl-dog LDLo:681 mg/kg GUCHAZ 6,1,73
skn-rbt LD50:2000 mg/kg 85DPAN -,71/76
orl-ckn LD50:852 mg/kg 28ZEAL 5,4,76
orl-dck LD50:350 mg/kg 28ZEAL 5,4,76
orl-mam LD50:321 mg/kg AECTCV 13,483,84

orl-brd LD50:106 mg/kg AECTCV 10,185,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact and inhalation. Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x. See also ESTERS.

DOP800 CAS: 2680-03-7 HR: 3
N,N-DIMETHYLACRYLAMIDE

mf: C₅H₉NO mw: 99.15

SYN: N,N-DIMETHYL-2-PROPENAMIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:460 mg/kg ESKGA2 20,317,74
scu-mus LD50:580 mg/kg ESKGA2 20,317,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOQ300 CAS: 627-93-0 HR: 2
DIMETHYL ADIPATE

mf: C₈H₁₄O₄ mw: 174.22

PROP: A liquid. Fp: 0°, mp: 8°.

SYNS: DIMETHYL HEXANEDIOATE □ METHYL ADIPATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1809 mg/kg JPMSAE 62,1596,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOQ350 CAS: 1191-16-8 HR: 1
3,3-DIMETHYLALLYL ACETATE

mf: C₇H₁₂O₂ mw: 128.19

PROP: Oil. Bp: 54–56° @ 32 mm.

SYNS: 2-BUTEN-1-OL, 3-METHYL-, ACETATE □ DIMETHYLALLYL ACETATE □ γ,γ-DIMETHYLALLYL ACETATE □ ISOPENT-2-ENYL ACETATE □ 3-METHYL-2-BUTENYL ACETATE □ PRENYL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTOD7 20,817,82
orl-rat LD50:3 g/kg FCTOD7 20,817,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOQ400 CAS: 359-83-1 HR: 3
2-(3,3-DIMETHYLALLYL)CYCLAZOCINE

mf: C₁₉H₂₇NO mw: 285.47

SYNS: 2-DIMETHYLALLYL-5,9-DIMETHYL-2'-HYDROXY-BENZOMORPHAN □ 2-(3,3-DIMETHYLALLYL)-2',2'-HYDROXY-5,9-DIMETHYL-6,7-BENZOMORPHAN □ FORTALGESIC □ FORTALIN □ FORTRAL □ 1,2,3,4,5,6-HEXAHYDRO-6,11-DIMETHYL-3-(3-METHYL-2-BUTENYL)-2,6-METHANO-3-BENZAZOCINE □ 2'-HYDROXY-5,9-DIMETHYL-2-(3,3-

DIMETHYLALLYL)-6,7-BENZOMORPHAN □ dl-2'-HYDROXY-5,9-DIMETHYL-2-(3,3-DIMETHYLALLYL)-6,7-BENZOMORPHAN □ II-C-2 □ KF-1820 □ LITICON □ 3-(3-METHYL-2-BUTENYL)-1,2,3,4,5,6-HEXAHYDRO-6,11-DIMETHYL-2,6-METHANO-3-BENZAZOCIN-8-OL □ NIH 7958 □ NSC-107430 □ PENTAGIN □ PENTAZOCINE □ SOSIGON □ TALWAN □ TALWIN □ WIN 20228

TOXICITY DATA with REFERENCE:

orl-hmn LDLo:18 mg/kg CTOXAO 10,327,77
ims-wmn TDLo:1400 mg/kg/3Y:CNS,SKN JAMAAP 231,271,75
ivn-hmn TDLo:300 mg/kg/D:CNS BMJOAE 2,21,78
ivn-man TDLo:3 mg/kg/2D-I:CNS JPETAB 143,149,64
ims-man TDLo:83 mg/kg/4Y-I:MUS AIMDAP 143,2203,83
ims-hmn TDLo:571 µg/kg:CNS,GIT JPETAB 143,149,64
orl-rat LD50:1110 mg/kg KSRNAM 4,2145,70
scu-rat LD50:61 mg/kg AMOKAG 35,179,81
ivn-rat LD50:21 mg/kg 31ZPAG 2,174,66
ims-rat LD50:175 mg/kg AIPTAK 190,124,71
orl-mus LD50:205 mg/kg AMOKAG 35,179,81
ipr-mus LD50:85 mg/kg CPBTAL 24,2912,76
scu-mus LD50:80 mg/kg AMOKAG 35,179,81
ivn-mus LD50:19,800 µg/kg NIIRDN 6,777,82
ims-mus LD50:98 mg/kg AIPTAK 190,124,71

SAFETY PROFILE: Poison by ingestion, subcutaneous, intramuscular, intraperitoneal, and intravenous routes. Experimental reproductive effects. Human systemic effects by intramuscular and intravenous routes: wakefulness, euphoria, hallucinations or distorted perceptions, tremors, convulsions, excitement, motor activity changes, muscle weakness, analgesia, withdrawal, parasympathomimetic effects, nausea or vomiting, and dermatitis. Can cause drug dependency and other central nervous system effects. An analgesic. When heated to decomposition it emits toxic fumes of NO_x. See also ALLYL COMPOUNDS.

DOQ600 CAS: 3639-66-5 HR: 3 2-(3,3-DIMETHYLALLYL)-5-ETHYL-2'-HYDROXY-9-METHYL-6,7-BENZOMORPHAN

mf: C₂₀H₂₉NO mw: 299.50

SYN: 5-ETHYL-2'-HYDROXY-2(N)-(3-METHYL-2-BUTENYL)-9-METHYL-6,7-BENZOMORPHAN

TOXICITY DATA with REFERENCE:

scu-rat LD50:128 mg/kg JPETAB 143,141,64
ivn-rat LD50:16 mg/kg JPETAB 143,141,64
scu-mus LD50:116 mg/kg JPETAB 143,141,64
ivn-mus LD50:16 mg/kg 31ZPAG 2,175,66

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

DOQ700 CAS: 1184-58-3 HR: 3 DIMETHYLALUMINUM CHLORIDE

mf: C₂H₆AlCl mw: 92.50

SAFETY PROFILE: Ignites spontaneously in air. Violent reaction on contact with water. When heated to decomposition it emits toxic fumes of Cl⁻. See also ALUMINUM COMPOUNDS and CHLORIDES.

DOQ750 CAS: 865-37-2 HR: 3

DIMETHYLALUMINUM HYDRIDE

mf: C₂H₇Al mw: 58.06

SAFETY PROFILE: Ignites on contact with traces of air or moisture. See also ALUMINUM COMPOUNDS and HYDRIDES.

DOQ800 CAS: 124-40-3 HR: 3 DIMETHYLAMINE

DOT: UN 1032/UN 1160

mf: C₂H₇N mw: 45.10

PROP: Gas. D: 0.680 @ 0°/4°, mp: -96°, bp: 7°. Very sol in water. IDLH 500 ppm.

SYNS: DIMETHYLAMINE, anhydrous (DOT) □

DIMETHYLAMINE, aqueous solution (DOT) □ DIMETHYLAMINE, solution (DOT) □ DMA □ N-METHYLMETHANAMINE □ RCRA WASTE NUMBER U092

TOXICITY DATA with REFERENCE:

eye-rbt 50 mg/5M BJIMAG 23,153,66
cyt-rat-ihl 50 µg/m³ GISAAA 36(11),9,71
orl-rat LD50:698 mg/kg HYSAAV 32,329,67
ihl-rat LC50:4540 ppm/6H AIHAAP 43,411,82
orl-mus LD50:316 mg/kg HYSAAV 32,329,67
ihl-mus LC50:7650 ppm/2H AIHAAP 43,411 82
orl-rbt LD50:240 mg/kg HYSAAV 32,329,67
ivn-rbt LDLo:4 g/kg 85ESA3 11,509,89
orl-gpg LD50:240 mg/kg HYSAAV 32,329,67
ihl-mam LC50:3700 mg/m³ TPKVAL 14,80,75

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

OSHA PEL: TWA 10 ppm

ACGIH TLV: TWA 5 ppm; STEL 15 ppm; Not Classifiable as a Human Carcinogen

DFG MAK: 2 ppm (3.7 mg/m³)

DOT CLASSIFICATION: 2.1; Label: Flammable Gas (UN 1032); DOT Class: 3; Label: Flammable Liquid (UN 1160)

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation and intravenous routes. Mutation data reported. An eye irritant. Corrosive to the eyes, skin, and mucous membranes. A flammable gas. When heated to decomposition it emits toxic fumes of NO_x. Incompatible with acrylaldehyde, fluorine, and maleic anhydride

DOR200 CAS: 74-94-2 HR: 3 DIMETHYLAMINE BORANE

mf: C₂H₇N•BH₃ mw: 58.94

PROP: Solid. Mp: 37°, bp: 49° @ 0.01 mm.

SYNS: BORANE with DIMETHYLAMINE (1:1) □ DMAB □ N-METHYLMETHANAMINE with BORANE (1:1)

TOXICITY DATA with REFERENCE:

skn-rbt 50 mg MLD JOCMA7 1,46,59
eye-rbt 10 mg JOCMA7 1,46,59
dni-mus:ast 100 µmol/L JPMSAE 74,755,85
uns-mus:ast 100 µmol/L JPMSAE 74,755,85
orl-rat LD50:59 mg/kg AIHQA5 16,280,55
ipr-rat LD50:39 mg/kg 14KTAK -,693,64
ipr-mus LD50:200 mg/kg JPMSAE 69,1025,80
ivn-mus LD50:56 mg/kg CSLNX* NX#05150
ipr-rbt LD50:35,100 µg/kg 14KTAK -,693,64
ipr-gpg LD50:55,900 µg/kg 14KTAK -,693,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. A skin and eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also DIMETHYLAMINE and BORANE.

DOR400 CAS: 2032-59-9 HR: 3
4-DIMETHYLAMINE *m*-CRESYL METHYLCARBAMATE

mf: C₁₁H₁₆N₂O₂ mw: 208.29

SYNS: A 363 □ AMINOCARB □ AMINOCARBE (FRENCH) □ BAY 44646 □ BAYER 5080 □ BAYER 44646 □ 4-DIMETHYLAMINO-3-CRESYL METHYLCARBAMATE □ 4-(DIMETHYLAMINO)-3-METHYLPHENOL METHYL CARBAMATE (ester) □ (4-DIMETHYLAMINO-3-METHYL-PHENYL)N-METHYL-CARBAMAAT (DUTCH) □ (4-DIMETHYLAMINO-3-METHYL-PHENYL)N-METHYL-CARBAMAT (GERMAN) □ (4-DIMETHYLAMINO-3-METHYL-PHENYL)N-METHYL-CARBAMATE □ 4-(DIMETHYLAMINO)-*m*-TOLYL METHYLCARBAMATE □ (4-DIMETHYLAMINO-3-METHYL-FENIL)-N-METIL-CARBAMMATO (ITALIAN) □ ENT 25,784 □ MATACIL □ N-METHYLCARBAMATE de 4-DIMETHYLAMINO-3-METHYL PHENYLE (FRENCH) □ MITACIL

TOXICITY DATA with REFERENCE:

mma-sat 5 mmol/L ENMUDM 5,384,83
 cyt-ham:ovr 5 mmol/L ENMUDM 5,384,83
 orl-rat LD50:30 mg/kg TXAPA9 21,315,72
 skn-rat LD50:275 mg/kg WRPCA2 9,119,70
 orl-mus LDLo:94 mg/kg AECTCV 14,111,85
 ipr-mus LD50:7 mg/kg TXAPA9 6,402,64
 orl-gpg LDLo:50 mg/kg JEENAI 60(3),733,67
 scu-gpg LDLo:50 mg/kg JEENAI 60(3),733,67

SAFETY PROFILE: Poison by ingestion, skin contact, intraperitoneal, and subcutaneous routes. Mutation data reported. An insecticide used for forest insect control. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

DOR500 CAS: 25988-97-0 HR: D
DIMETHYLAMINE-EPOCHLOROHYDRIN COPOLYMER

SYN: EPOCHLOROHYDRIN-DIMETHYLAMINE COPOLYMER

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

DOR600 CAS: 506-59-2 HR: 2
DIMETHYLAMINE HYDROCHLORIDE

mf: C₂H₇N•ClH mw: 81.56

SYNS: DIMETHYLAMMONIUM CHLORIDE □ HYDROCHLORIC ACID DIMETHYLAMINE □ N-METHYLMETHANAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:3825 mg/kg (female 1-17D post):REP JTEHD6 32,319,91
 orl-mus TDLo:12 g/kg/Y-C:NEO GISAAA 44(8),15,79
 orl-rat LD50:1070 mg/kg GISAAA 32(6),12,67
 orl-mus LD50:8100 mg/kg GISAAA 32(6),12,67
 ipr-mus LD50:1570 mg/kg JPPAAZ 17,475,67
 scu-mus LD50:2000 mg/kg AIPTAK 112,36,57
 ivn-mus LD50:1210 mg/kg AIPTAK 112,36,57

orl-rbt LD50:1600 mg/kg GISAAA 32(6),12,67

orl-gpg LD50:1600 mg/kg GISAAA 32(6),12,67

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

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, subcutaneous, and intraperitoneal routes. Experimental reproductive effects. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and HCl.

DOR800 CAS: 3426-62-8 HR: 2
DIMETHYLAMINE-2,3,6-TRICHLOROBENZOATE

mf: C₇H₃Cl₃O₂•C₂H₇N mw: 270.55

SYNS: BENZAC 1281 □ 2KF □ KF 2 (HERBICIDE) □ KYSELINA 2,3,6-TRICHLOROBENZOATE DIMETHYLAMONNA SUL □ METHANAMINE, N-METHYL-, 2,3,6-TRICHLORO-BENZOATE □ POLIDIM □ 2,3,6-TRICHLOROBENZOIC ACID, DIMETHYLAMINE SALT □ TRYSEN 200

TOXICITY DATA with REFERENCE:

skn-gpg 500 mg open MOD DUPON*

orl-rat LD50:1644 mg/kg DUPON*

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

DOS000 CAS: 315-18-4 HR: 3
4-(DIMETHYLAMINE)-3,5-XYLYL-N-METHYL-CARBAMATE

mf: C₁₂H₁₈N₂O₂ mw: 222.32

PROP: Crystals. Mp: 85°, vap press: <0.1 mm @ 139°.

SYNS: 4-(DIMETHYLAMINO)-3,5-DIMETHYLPHENOL METHYLCARBAMATE (ESTER) □ 4-(DIMETHYLAMINO)-3,5-DIMETHYLPHENYL ESTER, METHYLCARBAMIC ACID □ 4-(DIMETHYLAMINO)-3,5-DIMETHYLPHENYL-N-METHYL-CARBAMATE □ 4-(DIMETHYLAMINO)-3,5-XYLENOL METHYLCARBAMATE (ESTER) □ 4-(DIMETHYLAMINO)-3,5-XYLYL ESTER METHYLCARBAMIC ACID □ 4-DIMETHYL-AMINO-3,5-XYLYL METHYLCARBAMATE □ 4-DIMETHYL-AMINO-3,5-XYLYL-N-METHYLCARBAMATE □ 4-(N,N-DIMETHYLAMINO)-3,5-XYLYL N-METHYLCARBAMATE □ DOWCO 139 □ ENT 25,766 □ METHYL-4-DIMETHYLAMINO-3,5-XYLYL CARBAMATE □ METHYL-4-DIMETHYLAMINO-3,5-XYLYL ESTER of CARBAMIC ACID □ MEXACARBATE (DOT) □ NCI-C00544 □ OMS-47 □ ZACTRAN □ ZECTANE □ ZECTRAN □ ZEXTRAN

TOXICITY DATA with REFERENCE:

scu-mus TDLo:90 mg/kg (6-14D preg):TER NTIS** PB223-160

orl-rat LD50:14 mg/kg JEENAI 62,1307,69

orl-mus LD50:12 mg/kg PSSCBG 2,10,71

skn-mus LD50:107 mg/kg JAFCAU 15,479,67

ipr-mus LD50:7800 µg/kg JAFCAU 16,561,68

orl-dog LD50:22 mg/kg FMCHA2 -,C196,89

orl-rbt LD50:37 mg/kg SPEADM 78-1,59,78

orl-gpg LD50:15 mg/kg PCOC** -,1232,66

orl-pgn LD50:5620 µg/kg ASTTA8 (680),157,79 JEENAI 62,1307,69

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 12,237,76. NCI Carcinogenesis Bioassay (feed);

No Evidence: mouse, rat NCITR* NCI-CG-TR-147,78.

EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion, skin contact, and intraperitoneal routes. Experimental teratogenic effects. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS and CARBAMATES.

DOS200 CAS: 926-64-7 HR: 3

DIMETHYLAMINOACETONITRILE

DOT: UN 2378

mf: C₄H₈N₂ mw: 84.14

PROP: Flash p: <73.4°F.

SYNS: N-(CYANOMETHYL)DIMETHYLAMINE □ 2-DIMETHYLAMINOACETONITRILE (DOT) □ N,N-DIMETHYLGLYCINONITRILE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,923,86
eye-rbt 20 mg/24H MOD 85JCAE -,923,86
orl-rat LD50:50 mg/kg AIHAAP 23,95,62
ihl-rat LCLo:250 ppm/4H AIHAAP 23,95,62
skn-rbt LD50:170 mg/kg EPASR* FYI-OTS-0483,0238
ocu-rbt LDLo:100 mg/kg EPASR* FYI-OTS-0482,0238

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Poison by ingestion, skin contact, and ocular routes. Moderately toxic by inhalation. A skin and eye irritant. A dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

DOS300 CAS: 24869-88-3 HR: 3

(DIMETHYLAMINO)ACETYLENE

mf: C₄H₇N mw: 69.11



PROP: Liquid. Bp: 53°.

SAFETY PROFILE: Reacts vigorously with water. When heated to decomposition it emits toxic fumes of NO_x. See also ACETYLENE COMPOUNDS.

DOS400 CAS: 143563-20-6 HR: 3

N'-DIMETHYLAMINOACETYLPARTRICIN A DIMETHYLAMINOETHYLAMIDE DIASPARTAT

mf: C₇H₇NO₄•1/2C₆H₁₀N₅O₁₉ mw: 810.43

SYNS: SPA-S-753 □ 1-ASPARTIC ACID, COMPD. WITH 18-DECARBOXY-40-DEMETHYL-3,7-DIDEOXO-N³)-(DIMETHYLAMINO) ACETYL)-18-(((2-(DIMETHYLAMINO)ETHYL)AMINO)-CARBONYL)-3,7-DIHYDROXY-N⁴)-METHYL-5-OXOCANDICIDIN D, CYCLIC 15,19-HEMIACETAL (2:1)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:46 mg/kg USXXAM #6143726

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

DOS800 CAS: 13365-38-3 HR: 3

9-(p-DIMETHYLAMINOANILINO)ACRIDINE

mf: C₂₁H₁₉N₃ mw: 313.43

SYNS: N'-9-ACRIDINYL-N,N-DIMETHYL-1,4-BENZENEDIAMINE □ 9-((p-DIMETHYLAMINO)PHENYL)-AMINO)ACRIDINE □ NSC-13002 □ WIN 1701

TOXICITY DATA with REFERENCE:

dnd-mam:lym 2 μmol/L JMCMA 24,170,81

ivn-rat LD50:15 mg/kg NCIAL* -,326,67

ipr-mus LD50:80,970 μg/kg NCISP* JAN86

ivn-dog LDLo:5 mg/kg NCIAL* -,326,67

ivn-mky LDLo:5 mg/kg NCIAL* -,326,67

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

DOT000 CAS: 58-15-1 HR: 3

DIMETHYLAMINOANTIPYRINE

mf: C₁₃H₁₇N₃O mw: 231.33

PROP: Colorless leaflets, somewhat water-sol; crystals from toluene. Mp: 107–109°. Sol in H₂O, EtOH, CHCl₃, Et₂O, toluene, and acids.

SYNS: AMIDAZOPHEN □ AMIDOFEBRIN □ AMIDOPHEN □ AMIDOPHENAZONE □ AMIDOPYRAZOLINE □ AMIDOPYRIN □ AMINOFENAZONE (ITALIAN) □ AMINOPHENAZONE □ AMINOPYRINE □ ANAFEBRINA □ BRUFANEUXOL □ DAP □ DEREUMA □ DIMAPYRIN □ DIMETHYLAMINO-ANALGESINE □ 4-(DIMETHYLAMINO)ANTIPYRINE □ DIMETHYLAMINO-AZOPHENE □ 4-(DIMETHYLAMINO)-1,2-DIHYDRO-1,5-DIMETHYL-2-PHENYL-3H-PYRAZOL-3-ONE □ 4-DIMETHYLAMINO-2,3-DIMETHYL-1-PHENYL-3-PYRAZOLIN-5-ONE □ 4-DIMETHYLAMINO-2,3-DIMETHYL-1-PHENYL-5-PYRAZOLONE □ DIMETHYLAMINOPHENAZON (GERMAN) □ DIMETHYLAMINOPHENAZONE □ 4-DIMETHYLAMINO-PHENAZONE □ DIMETHYLAMINOPHENYLDIMETHYL-PYRAZOLIN □ 4-DIMETHYLAMINO-1-PHENYL-2,3-DIMETHYLPYRAZOLONE □ 3-keto-1,5-DIMETHYL-4-DIMETHYLAMINO-2-PHENYL-2,3-DIHYDROPYRAZOLE □ 1,5-DIMETHYL-4-DIMETHYLAMINO-2-PHENYL-3-PYRAZOLONE □ 2,3-DIMETHYL-4-DIMETHYLAMINO-1-PHENYL-5-PYRAZOLONE □ DIPYRIN □ DIPYRIN □ FEBRININA □ FEBRON □ ITAMIDONE □ MAMALLET-A □ NETSUSARIN □ NOVAMIDON □ 1-PHENYL-2,3-DIMETHYL-4-DIMETHYLAMINOPYRAZOLONE-5 □ 1-PHENYL-2,3-DIMETHYL-4-DIMETHYLAMINOPYRAZOL-5-ONE □ PIRAMIDON □ PIRIDOL □ PIROMIDINA □ POLINALIN □ PYRADONE □ PYRAMIDON □ PYRAMIDONE

TOXICITY DATA with REFERENCE:

mma-sat 31 μmol/plate MUREAV 66,33,79

dni-mus:oth 100 mg/L ONCODU 19,183,80

otr-ham-orl 100 mg/kg IAPUDO 41,585,82

cyt-ham:fbr 3 mmol/L HDSKEK 10,63,85

msc-ham-orl 100 mg/kg IAPUDO 41,585,82

unr-man LDLo:220 mg/kg 85DCAI 2,73,70

orl-rat LD50:285 mg/kg RPTOAN 51,183,88

ipr-rat LD50:190 mg/kg NYKZAU 68,442,72

scu-rat LD50:295 mg/kg ARZNAD 8,229,58

ivn-rat LD50:98 mg/kg OYYAA2 16,101,78

ims-rat LD50:340 mg/kg ARZNAD 10,665,60

orl-mus LD50:350 mg/kg PCJOAU 18,46,84

ipr-mus LD50:169 mg/kg RPTOAN 36,293,72

scu-mus LD50:248 mg/kg IYKEDH 8,494,77

ivn-mus LD50:78 mg/kg OYYAA2 16,101,78

ims-mus LD50:306 mg/kg OYYAA2 13,109,77

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

SAFETY PROFILE: Human poison by unspecified route. Experimental poison by ingestion, subcutaneous, intramuscular, intravenous, and intraperitoneal routes. Moderately toxic by parenteral route. Experimental teratogenic and reproductive effects. Questionable carcinogen when mixed with NaNO_2 (1:1). Mutation data reported. Can cause bone marrow depression resulting in leucopenia. Has been implicated in development of aplastic anemia. A tranquilizer. When heated to decomposition it emits toxic fumes of NO_x .

DOT200 **HR: 2**
4-(DIMETHYLAMINO)ANTIPYRINE mixed with SODIUM NITRITE (1:1)

mf: $\text{C}_{13}\text{H}_{17}\text{N}_3\text{O} \cdot \text{NNaO}_2$ mw: 300.33

SYNS: AMINOPHENAZONE mixed with SODIUM NITRITE (1:1) □ AMINOPYRINE mixed with SODIUM NITRITE (1:1) □ SODIUM NITRITE mixed with AMINOPYRINE (1:1) □ SODIUM NITRITE mixed with 4-(DIMETHYLAMINO)ANTIPYRINE (1:1)

TOXICITY DATA with REFERENCE:

mno-sat 1 mg/plate TOLED5 12,281,82
 mma-sat 1 mg/plate TOLED5 12,281,82
 cyt-rat-ori 600 mg/kg MFEPDX 1,225,79
 hma-mus/sat 2 mmol/L/kg ATSDG (4),49,80
 hma-mus/esc 10 mg/kg CBINA8 35,199,81
 ori-rat TDLo:3438 mg/kg/50W-I:CAR NATUAS 244,176,73
 ori-rat TD:10 g/kg/40W-I:CAR IARCCD 14,461,76

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and Na_2O . See also SODIUM NITRITE.

DOT300 **CAS: 60-11-7** **HR: 3**
4-DIMETHYLAMINOAZOBENZENE

mf: $\text{C}_{14}\text{H}_{15}\text{N}_3$ mw: 225.32

PROP: Yellow, crystalline tablets; yellow leaflets from EtOH. Mp: 115° . Sol in EtOH, Me_2CO , and C_6H_6 ; insol in H_2O .

SYNS: ATUL FAST YELLOW R □ BENZENEAZODIMETHYL-ANILINE □ BRILLIANT FAST YELLOW □ BUTTER YELLOW □ CERASINE YELLOW GG □ C.I. 11020 □ C.I. SOLVENT YELLOW 2 □ DAB □ p-DIMETHYLAMINOAZOBENZENE (CZECH) □ DIMETHYLAMINOAZOBENZENE □ N,N-DIMETHYL-p-AMINOAZOBENZENE □ N,N-DIMETHYL-4-AMINOAZOBENZENE □ p-DIMETHYLAMINOAZOBENZENE □ 4-(N,N-DIMETHYLAMINO)AZOBENZENE □ DIMETHYLAMINO-AZOBENZOL □ p-DIMETHYLAMINO-AZOBENZOL (GERMAN) □ 4-DIMETHYLAMINOAZOBENZOL □ 4-DIMETHYLAMINO-PHENYL-AZOBENZENE □ N,N-DIMETHYL-p-AZOANILINE □ N,N-DIMETHYL-p-PHENYL-AZOANILINE □ N,N-DIMETHYL-4-(PHENYL-AZO)BENZAMINE □ N,N-DIMETHYL-4-(PHENYL-AZO)BENZENAMINE □ DIMETHYL YELLOW □ DIMETHYL YELLOW-N,N-DIMETHYLANILINE □ DMAB □ ENIAL YELLOW 2G □ FAST OIL YELLOW B □ FAT YELLOW □ GRASAL BRILLIANT YELLOW □ JAUNE de BEURRE (FRENCH) □ METHYL YELLOW □ OIL YELLOW □ OLEAL YELLOW 2G □ ORGANOL YELLOW ADM □ ORIENT OIL YELLOW GG □ P.D.A.B. □ PETROL YELLOW WT □ RCRA WASTE NUMBER U093 □ RESINOL YELLOW GR □ RESOFORM YELLOW GGA □

SILOTRAS YELLOW T2G □ SOMALIA YELLOW A □ STEAR YELLOW JB □ SUDAN YELLOW □ TOYO OIL YELLOW G □ USAF EK-338 □ WAXOLINE YELLOW AD □ YELLOW G SOLUBLE in GREASE □ ZLUT MASELNA (CZECH)

TOXICITY DATA with REFERENCE:

dnr-esc 80 mg/L MUREAV 119,135,83
 dni-hmn:hla 100 $\mu\text{mol/L}$ MUREAV 92,427,82
 scu-mus TDLo:4000 mg/kg (15-21D preg):CAR,TER BEXBAN 78,1402,75
 mul-mus TDLo:400 mg/kg/I:ETA CNREA8 1,397,41
 ori-rat LD50:200 mg/kg ZEKBAI 69,103,67
 ipr-rat LD50:230 mg/kg CNREA8 34,2274,74
 ori-mus LD50:300 mg/kg GANNA2 54,455,63
 ipr-mus LD50:230 mg/kg CNREA8 34,2274,74

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 8,125,75. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: Cancer Suspect Agent

NIOSH REL: (4-Dimethylaminoazobenzene) TWA use 29 CFR 1910.1015

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by ingestion and intraperitoneal routes. Experimental teratogenic and reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

DOT400 **CAS: 100-10-7** **HR: 2**
p-(DIMETHYLAMINO)BENZALDEHYDE

mf: $\text{C}_9\text{H}_{11}\text{NO}$ mw: 149.21

PROP: Small, granular, lemon-colored crystals (may turn pink upon exposure to light). Mp: 74° , bp: $176-177^\circ$ @ 17 mm. Slightly water-sol; sol in alc, ether, chloroform, acetic acid and many other org solvs.

SYNS: 4-(DIMETHYLAMINO) BENZALDEHYDE □ 4-DIMETHYLAMINO BENZENECARBONAL □ EHRLICH'S REAGENT □ p-FORMYLDIMETHYLANILINE

TOXICITY DATA with REFERENCE:

ori-rat LDLo:500 mg/kg JPETAB 90,260,47
 ipr-rat LD50:620 mg/kg HINEL* AF33(657)-11756,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOT600 **CAS: 443-30-1** **HR: 2**
1-(4-DIMETHYLAMINO BENZAL)INDENE

mf: $\text{C}_{18}\text{H}_{17}\text{N}$ mw: 247.36

SYNS: DABI □ (4-DIMETHYLAMINO BENZYLIDENE)INDENE □ N,N-DIMETHYL- α -INDOLYLIDENE-p-TOLUIDINE □ 4-(1H-INDEN-1-YLIDENEMETHYL)-N,N-DIMETHYLBENZENAMINE □ NSC-80087

TOXICITY DATA with REFERENCE:

ori-rat TDLo:270 mg/kg/15D-I:ETA,REP NATUAS 222,383,69
 ipr-rat LDLo:2000 mg/kg JMCAR 13,770,70

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. Questionable carcinogen with experimental tumorigenic

data. When heated to decomposition it emits toxic fumes of NO_x.

DOT800 CAS: 536-17-4 HR: 3
p-DIMETHYLAMINO BENZAL RHODANINE

mf: C₁₂H₁₂N₂OS₂ mw: 264.38

PROP: Red crystals or powder. Mp: 285–288° (decomp). Sltly sol in Me₂CO, EtOH, and CHCl₃; insol in H₂O.

SYNS: p-(DIMETHYLAMINO)BENZAL-5-RHODANINE □ 5-(p-DIMETHYLAMINO BENZAL)RHODANINE □ 5-(p-DIMETHYL-AMINO BENZOYLIDENE)RHODANINE □ p-DIMETHYL-AMINO BENZYLIDENE RHODAMINE □ USAF PD-20

TOXICITY DATA with REFERENCE:

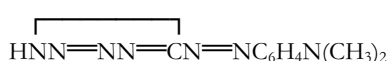
ipr-mus LD50:150 mg/kg NTIS** AD603-561

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.

DOU000 CAS: 53004-03-8 HR: 3
5(4-DIMETHYLAMINO BENZENE AZO)-TETRAZOLE

mf: C₉H₁₁N₇ mw: 217.24



SAFETY PROFILE: Explodes when heated to 155°C. When heated to decomposition it emits toxic fumes of NO_x.

DOU100 CAS: 124737-31-1 HR: 3
4-(DIMETHYLAMINO) BENZENEDIAZONIUM SALT WITH 2-HYDROXY-5-SULFO BENZOIC ACID (1:1)

mf: C₈H₁₀N₃•C₇H₅O₆S mw: 365.39

SYNS: BENZENEDIAZONIUM, 4-(DIMETHYLAMINO)-, SALT WITH 2-HYDROXY-5-SULFO BENZOIC ACID (1:1) □ BENZENE-DIAZONIUM, 4-(DIMETHYLAMINO)-, SULFOSALICYLATE □ DIAZO A-SS □ DIAZO 8 SS □ 4-(DIMETHYLAMINO) BENZENE-DIAZONIUM-5-SULFOSALICYLATE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV EPASR* 8EHQ-0990-1068

skn-rat LD50:475 mg/kg EPASR* 8EHQ-0190-1154

ocu-rbt LDLo:50 mg/kg EPASR* 8EHQ-0990-1068

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

DOU600 CAS: 140-56-7 HR: 3
p-DIMETHYLAMINO BENZENEDIAZOSODIUM SULPHONATE

mf: C₈H₁₀N₃O₃S•Na mw: 251.26

PROP: Yellow-brown crystals. Mod sol in water; sol in DMF.

SYNS: BAYER 5072 □ DAPA □ DAS □ DEKSONAL □ DEXON □ p-DIMETHYLAMINO BENZENE DIAZO SODIUM SULFONATE □ p-(DIMETHYLAMINO) BENZENEDIAZO-SULFONATE □ p-DIMETHYLAMINO BENZENEDIAZO-SULFONIC ACID, SODIUM SALT □ 4-DIMETHYLAMINO BENZENEDIAZOSULFONIC ACID, SODIUM SALT □ p-(DIMETHYL-AMINO) BENZENEDIAZOSULPHONATE □ p-(DIMETHYL-

AMINO) BENZENEDIAZOSULPHONIC ACID, SODIUM SALT □ 4-DIMETHYLAMINO BENZENEDIAZOSULPHONIC ACID, SODIUM SALT □ p-DIMETHYLAMINO BENZOLDIAZO-SULFONAT (NATRIUMSALZ) (GERMAN) □ (4-(DIMETHYL-AMINO) PHENYL) DIAZENESULFONIC ACID, SODIUM SALT □ 4-((DIMETHYLAMINO) PHENYL) DIAZENESULFONIC ACID, SODIUM SALT □ p-(DIMETHYLAMINO)-PHENYLDIAZO-NATRIUMSULFONAT (GERMAN) □ N,N-DIMETHYL-p-ANILINEDIAZOSULFONIC ACID SODIUM SALT □ FEN-AMINOSULF □ GOLD ORANGE MP □ LESAN □ NCI-C03010 □ SODIUM-p-(DIMETHYLAMINO) BENZENEDIAZOSULFONATE □ SODIUM-4-(DIMETHYLAMINO) BENZENEDIAZO-SULFONATE □ SODIUM-p-(DIMETHYLAMINO) BENZENEDI-AZOSULPHONATE □ SODIUM-4-(DIMETHYLAMINO) BENZ-ENEDIAZOSULPHONATE □ SODIUM-(4-(DIMETHYLAMINO)-PHENYL) DIAZENESULFONATE □ TROPAEOLIN D

TOXICITY DATA with REFERENCE:

mno-sat 25 µg/plate YACHDS 13,4923,85

mno-esc 25 µg/plate YACHDS 13,4923,85

orl-rat LD50:60 mg/kg WRPCA2 9,119,70

ipr-rat LD50:10,300 µg/kg 34ZIAG -,202,69

orl-mus LDLo:140 mg/kg AECTCV 14,111,85

ipr-mus LD50:60 mg/kg 34ZIAG -,202,69

ivn-mus LD50:56 mg/kg CSLNX* NX#00143

ipr-dog LDLo:5 mg/kg JPETAB 95,262,49

orl-rbt LD50:150 mg/kg 85DPAN -,71/76

ipr-rbt LDLo:10 mg/kg JPETAB 95,262,49

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 8,147,75. NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-101,78. EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. Experimental teratogenic effects. Human mutation data reported. Questionable carcinogen. A fungicide. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

DOU650 CAS: 619-84-1 HR: 3
p-DIMETHYLAMINO BENZOIC ACID

mf: C₉H₁₁NO₂ mw: 165.21

SYN: BENZOIC ACID, p-(DIMETHYLAMINO)-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04362

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOU700 CAS: 6843-30-7 HR: 3
5-DIMETHYLAMINO-3-BENZOYLINDOLE

mf: C₁₇H₁₆N₂O mw: 264.35

SYN: KETONE, 5-DIMETHYLAMINO-3-INDOLYL PHENYL

TOXICITY DATA with REFERENCE:

ivn-mus LD50:28 mg/kg CSLNX* NX#12193

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DOV000 CAS: 63918-82-1 HR: 2

p-DIMETHYLAMINO BENZYLIDENE-3,4,5,6-DIBENZ-9-METHYLACRIDINEmf: C₃₁H₂₄N₂ mw: 424.57

SYN: 14-(p-(DIMETHYLAMINO)STYRYL)DIBENZ(a,j)ACRIDINE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DOV200 CAS: 13629-82-8 HR: 2 3,3'-DIMETHYL-4-AMINOBIIPHENYL**mf: C₁₄H₁₅N mw: 197.30

SYNS: 3,3'-DIMETHYL-4-AMINODIPHENYL □ 3,3'-DIMETHYL-4-BIPHENYLAMINE

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DOV400 CAS: 63019-93-2 HR: 2 4-(DIMETHYLAMINO)-3-BIPHENYLOL**mf: C₁₄H₁₅NO mw: 213.30

SYN: 4-DIMETHYLAMINO-3-HYDROXYDIPHENYL

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DOV600 CAS: 1195-69-3 HR: D DIMETHYLAMINO-BIS(1-AZIRIDINYL)-PHOSPHINE OXIDE**mf: C₆H₁₄N₃OP mw: 175.20**PROP:** A liquid. D: 1.13, bp: 60° @ 0.3 mm.

SYNS: p,p-BIS(1-AZIRIDINYL)-N,N-DIMETHYL-AMINOPHOSPHINE OXIDE □ p,p-BIS(1-AZIRIDINYL)-N,N-DIMETHYLPHOSPHINIC AMIDE □ DIMETHYLAMIDE DIETHYLENEIMIDE PHOSPHORIC ACID □ ENT 50,990

TOXICITY DATA with REFERENCE:

sln-dmg-par 500 pmol/L IMSUAI 38,442,69

cyt-oin-par 24 mmol/L CNJGA8 11,648,69

sce-hmn:lym 2 mg/L TGANAK 16(2),34,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and PO_x.**DOV800 CAS: 64246-07-7 HR: 3 4-DIMETHYLAMINO-1,1-BIS((3,4-(METHYLENE-DIOXY)PHENOXY)METHYL)-1-BUTANOL, METHYLCARBAMATE (ester), CITRATE**mf: C₂₄H₃₀N₂O₈•C₆H₈O₇ mw: 666.70**TOXICITY DATA with REFERENCE:**

orl-mus LD50:525 mg/kg FRPSAX 32,502,77

ivn-mus LD50:72 mg/kg FRPSAX 32,502,77

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES and ESTERS.**DOV825 CAS: 3921-94-6 HR: 3 4-(DIMETHYLAMINO)BUTYN-1-OL ACETATE**mf: C₈H₁₃NO₂ mw: 155.22

SYNS: BUTYN-1-OL, 4-(DIMETHYLAMINO)-, ACETATE □ 4-DIMETHYLAMINO BUT-2-YNYL ACETATE

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.**DOV850 CAS: 3854-14-6 HR: 3 1-(4-DIMETHYLAMINO BUT-2-YNYL)CYCLOPENTAN-2-ONE HYDROCHLORIDE**mf: C₁₁H₁₇NO•ClH mw: 215.75

SYNS: CYCLOPENTANONE, 2-(4-(DIMETHYLAMINO)-2-BUTYNYL)-, HYDROCHLORIDE □ 2-(4-(DIMETHYLAMINO)-2-BUTYNYL)CYCLOPENTANONE HYDROCHLORIDE

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 and HCl.**DOV860 CAS: 90293-53-1 HR: 3 8-((DIMETHYLAMINO)CARBONYL)-5-OXO-2,4,9-TRIMETHYL-6,11-DIOXA-3-THIA-2,4,7,10-TETRAAZADODECA-7,9-DIENOIC ACID, 1-NAPHTHALENYL ESTER**mf: C₂₁H₂₅N₅O₆S mw: 475.57**TOXICITY DATA with REFERENCE:**

orl-rat LD50:160 mg/kg USXXAM #4657904

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DOV870 CAS: 90293-54-2 HR: 3 8-((DIMETHYLAMINO)CARBONYL)-5-OXO-2,4,9-TRIMETHYL-6,11-DIOXA-3-THIA-2,4,7,10-TETRAAZADODECA-7,9-DIENOIC ACID, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER**mf: C₂₁H₂₉N₅O₇S mw: 495.61**TOXICITY DATA with REFERENCE:**

orl-rat LD50:10 mg/kg USXXAM #4657904

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DOV880 CAS: 90293-55-3 HR: 2 8-((DIMETHYLAMINO)CARBONYL)-5-OXO-2,4,9-TRIMETHYL-6,11-DIOXA-3-THIA-2,4,7,10-TETRAAZADODECA-7,9-DIENOIC ACID, 4-NONYLPHENYL ESTER**mf: C₂₆H₄₁N₅O₆S mw: 551.78**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>800 mg/kg USXXAM #4657904

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DOV890 CAS: 90293-52-0 HR: 3 N-((8-((DIMETHYLAMINO)CARBONYL)-2,4,9-TRIMETHYL-1,5-DIOXA-6,11-DIOXA-3-THI A-**

2,4,7,10-TETRAAZADODECA-7,9-DIEN-1-YL(OXY)-ETHANIMIDOTHIOIC ACID, METHYL ESTERmf: C₁₄H₂₄N₆O₆S₂ mw: 436.56**TOXICITY DATA with REFERENCE:**

orl-rat LD50:23,800 µg/kg USXXAM #4657904

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**DOW875****HR: 3****p-DIMETHYLAMINO-CARVACROLDIMETHYL-URETHANE METHIODIDE**mf: C₁₆H₂₇N₂O₂I mw: 406.35**SYN:** (CARBOXYMETHYL)TRIMETHYLAMMONIUM IODIDE-5-(DIMETHYLAMINO)-4-ISOPROPYL-*o*-TOLYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:95 mg/kg FEPR7 5,184,46

scu-mus LDLo:4 µg/kg FEPR7 5,184,46

scu-dog LDLo:345 µg/kg FEPR7 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.**DOX000****CAS: 5913-82-6****HR: 3****3-β-(DIMETHYLAMINO)CON-5-ENINE-DIHYDROBROMIDE**mf: C₂₄H₄₀N₂•2BrH mw: 356.66**PROP:** A solid. Mp: 340° (decomp).**SYNS:** CONESSINE DIHYDROBROMIDE □ KONESSIN DIHYDROBROMIDE □ NERIINE DIHYDRBROMIDE □ ROQUESSINE DIHYDROBROMIDE □ WRIGHTINE DIHYDROBROMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:390 mg/kg CHTPBA 5,129,70

ipr-mus LD50:85 mg/kg CHTPBA 5,129,70

ivn-mus LD50:27 mg/kg CHTPBA 5,129,70

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and HBr.**DOX100****HR: 3****1-DIMETHYLAMINO-3-CYANO-3-PHENYL-4-METHYLHEXANE HYDROCHLORIDE**mf: C₁₆H₂₄N₂•ClH mw: 280.88**SYNS:** 2-(2-(DIMETHYLAMINO)ETHYL)-3-METHYL-2-PHENYLVALERONITRILE HYDROCHLORIDE □ Z-4**TOXICITY DATA with REFERENCE:**

orl-rat LD50:407 mg/kg JPETAB 117,451,56

orl-mus LD50:382 mg/kg JPETAB 117,451,56

ipr-mus LD50:186 mg/kg JPETAB 117,451,56

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, CN⁻, and HCl. See also NITRILES.**DOX200****CAS: 23273-02-1****HR: 3****DIMETHYLAMINODIBORANE**mf: C₂H₇N•B₂H₆ mw: 72.78**PROP:** Volatile liquid, sensitive to air and moisture; can be stored for months in sealed tube *in vacuo*. Sol in ethers and aromatic hydrocarbons.**SYN:** DIMETHYLAMINE with DIBORANE (1:1)**TOXICITY DATA with REFERENCE:**ihl-rat LC50:248 mg/m³/4H 14KTAK -,693,64ihl-mus LC50:182 mg/m³/4H 14KTAK -,693,64**SAFETY PROFILE:** Poison by inhalation. Ignites spontaneously in air. When heated to decomposition it emits toxic fumes of NO_x. See also BORANES and AMINES.**DOX400****CAS: 17268-47-2****HR: 2****3-DIMETHYLAMINO-N,N-DIMETHYL-PROPION-AMIDE**mf: C₇H₁₆N₂O mw: 144.25**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3080 mg/kg TXAP9 28,313,74

skn-rbt LD50:790 mg/kg TXAP9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x.**DOX600****CAS: 23103-98-2****HR: 3****2-(DIMETHYLAMINO)-5,6-DIMETHYL-4-PYRIMIDINYLDIMETHYLCARBAMATE**mf: C₁₁H₁₈N₄O₂ mw: 238.33**PROP:** A solid. Mp: 90.5°.**SYNS:** ABOL □ AFICIDA □ APOX □ DIMETHYLCARBAMIC ACID 2-(DIMETHYLAMINO)-5,6-DIMETHYL-4-PYRIMIDINYL ESTER □ 5,6-DIMETHYL-2-DIMETHYLAMINO-4-PYRIMIDINYLDIMETHYLCARBAMATE □ ENT 27,766 □ FERNOS □ PIRIMICARB □ PIRIMOR □ PP 062 □ PYRIMOR □ RAPID**TOXICITY DATA with REFERENCE:**

cyt-hmn:lym 10 mg/L CYGEDX 15(2),74,81

cyt-mus-unr 2 mg/kg TGANAK 14(6),41,80

orl-rat LD50:147 mg/kg CHINAG 30,1018,69

orl-mus LD50:107 mg/kg 28ZEAL 5,184,76

orl-dog LD50:100 mg/kg 28ZEAL 5,184,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion. Human mutation data reported. An insecticide. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.**DOY400****CAS: 60-46-8****HR: 3****4-(DIMETHYLAMINO)-2,2-DIPHENYL-VALERAMIDE**mf: C₁₉H₂₄N₂O mw: 296.45**SYNS:** AMINOPENTAMIDE □ BL 139 □ CENTRINE □ α-(2-(DIMETHYLAMINO)PROPYL)-α-PHENYLBENZENE-ACETAMIDE □ DIMEVAMIDE □ α,α-DIPHENYL-γ-DIMETHYLAMINOVALERAMIDE □ 3-METHYL-4-DIMETHYLAMINO-2,2-DIPHENYLBUTYRAMIDE □ VALERAMIDE-OM**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:441 mg/kg CLDND*

ipr-mus LDLo:121 mg/kg CLDND*

ivn-mus LDLo:46 mg/kg CLDND*

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. An anticholinergic. Used in veterinary medicine as an anticonvulsant and anti-emetic. When heated to decomposition it emits toxic fumes of NO_x.

DOY500 CAS: 203264-12-4 HR: D
3-(DIMETHYLAMINO)-1-(2,2-DIPHOSPHONO-ETHYL)PYRAZINIUM INNER SALT

mf: C₈H₁₅N₃O₆P₂ mw: 311.20

SYNS: PYRAZINIUM, 3-(DIMETHYLAMINO)-1-(2,2-DIPHOSPHONOETHYL)-, INNER SALT □ VS-6B

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

DOY600 CAS: 13242-44-9 HR: 3
2-DIMETHYLAMINO ETHANETHIOL HYDRO-CHLORIDE

mf: C₄H₁₁NS•ClH mw: 141.68**PROP:** A solid. Mp: 156–157°.

SYNS: CAPTAMINE HYDROCHLORIDE □ N-DIMETHYL-CYSTEAMINE HYDROCHLORIDE □ N-(2-MERCAPTOETHYL)-DIMETHYLAMINE HYDROCHLORIDE □ NSC-45463

TOXICITY DATA with REFERENCE:

ipr-mus LD50:280 mg/kg YKKZAJ 93,25,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DOY800 CAS: 108-01-0 HR: 3
N-DIMETHYLAMINOETHANOL
DOT: UN 2051

mf: C₄H₁₁NO mw: 89.16
HOC₂H₄N(CH₃)₂

PROP: A liquid. Bp: 135°, flash p: 105°F (OC), d: 0.8866 @ 20°/4°, vap d: 3.03.

SYNS: DEANOL □ DIMETHYLAETHANOLAMIN (GERMAN) □ DIMETHYLAMINOETHANOL (GERMAN) □ DIMETHYL-AMINOETHANOL □ β-DIMETHYLAMINOETHANOL □ N,N-DIMETHYLAMINOETHANOL □ 2-(DIMETHYLAMINO)-ETHANOL □ β-DIMETHYLAMINOETHYL ALCOHOL □ DIMETHYLETHANOLAMINE □ N,N-DIMETHYLETHANOL-AMINE □ DIMETHYLETHANOLAMINE (DOT) □ N,N-DIMETHYL-2-HYDROXYETHYLAMINE □ N,N-DIMETHYL-N-(2-HYDROXYETHYL)AMINE □ DMAE □ β-HYDROXYETHYL-DIMETHYLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 445 mg open MLD UCDS** 12/15/71

eye-rbt 750 µg open SEV AMIHBC 4,119,51

orl-rat LD50:2 g/kg ZHYGAM 20,393,74

ihl-rat LCLo:4500 mg/m³/4H GTPZAB 14(11),52,70

ipr-rat LD50:1080 mg/kg TXAP9 12,486,68

ihl-mus LC50:3250 mg/m³ GTPZAB 14(11),52,70

ipr-mus LD50:234 mg/kg JPETAB 94,249,48

scu-mus LD50:961 mg/kg AEPPAE 225,428,55

skn-rbt LD50:1370 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, skin contact, intraperitoneal, and subcutaneous routes. A skin and severe eye irritant. Used medically as a central nervous system stimulant. Flammable liquid when exposed to heat or flame; can react vigorously with oxidizing materials. Ignites spontaneously in contact with cellulose nitrate of high surface area. To fight fire, use alcohol foam, foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

DOZ000 CAS: 3635-74-3 HR: 2
2-DIMETHYLAMINOETHANOL-p-ACETAMIDO-BENZOATE

mf: C₁₃H₁₈N₂O₂ mw: 234.33**PROP:** Crystals from EtOH/EtOAc. Mp: 159–161.5°.

SYNS: 4-(ACETYLAMINO)BENZOIC ACID with 2-(DIMETHYL-AMINO)ETHANOL (1:1) □ CERVOXAN □ DAYFEN □ DEANER □ DEANOL ACETAMIDOBENZOATE □ DEANOL-p-ACETAMIDOBENZOATE □ DIFORENE □ DMAE p-ACETAMIDOBENZOATE □ ELEVAN □ NERVOTON

TOXICITY DATA with REFERENCE:

ipr-rat LD50:800 mg/kg 27ZQAG -,419,72

orl-mus LD50:3918 mg/kg 27ZQAG -,419,72

ipr-mus LD50:1020 mg/kg 27ZQAG -,419,72

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

DOZ100 CAS: 1421-89-2 HR: 3
DIMETHYLAMINOETHANOL ACETATE

mf: C₆H₁₃NO₂ mw: 131.20

SYNS: ACETIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER □ 2-DIMETHYLAMINOETHANOL ACETATE □ DIMETHYL-AMINOETHYL ACETATE □ 2-(DIMETHYLAMINO)ETHYL ACETATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:104 mg/kg IJNEAQ 8,131,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPA000 CAS: 63980-59-6 HR: 2
2-(DIMETHYLAMINO)ETHANOL BITARTRATE

mf: C₄H₁₁NO•2C₄H₄O₆ mw: 385.32

SYNS: ATROL □ DIMETHAEN □ LIPARON □ RECREIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:2590 mg/kg 27ZQAG -,419,72

ipr-rat LD50:459 mg/kg 27ZQAG -,419,72

scu-rat LD50:1098 mg/kg 27ZQAG -,419,72

orl-mus LD50:3100 mg/kg SCIEAS 126,610,57

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

DPA200 CAS: 5988-51-2 HR: 2
2-(DIMETHYLAMINO)ETHANOL TARTRATE

mf: C₄H₁₁NO•C₄H₆O₆ mw: 239.26

SYN: DMAE TARTRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2600 mg/kg 27ZQAG -,420,72

orl-mus LD50:3100 mg/kg 27ZQAG -,420,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**DPA500 HR: 3
2-(2-DIMETHYLAMINOETHOXY)CHALCONE CITRATE**mf: C₁₉H₂₁NO₂•C₆H₈O₇ mw: 487.55**TOXICITY DATA with REFERENCE:**

orl-mus LD50:603 mg/kg JAPMA8 47,640,58

ipr-mus LD50:158 mg/kg JAPMA8 47,640,58

ivn-mus LD50:40,800 µg/kg JAPMA8 47,640,58

ivn-dog LDLo:41 mg/kg JAPMA8 47,640,58

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**DPA600 CAS: 1704-62-7 HR: 2
2-(2-DIMETHYLAMINOETHOXY)ETHANOL**mf: C₆H₁₃NO₂ mw: 133.22**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,629,86

eye-rbt 750 µg/24H SEV 85JCAE -,629,86

orl-rat LD50:2460 mg/kg TXAPA9 28,313,74

skn-rbt LD50:1410 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**DPA800 CAS: 13877-99-1 HR: 3
2-(2-(DIMETHYLAMINO)ETHOXY)ETHYL-1-PHENYLCYCLOPENTANECARBOXYLATE**mf: C₁₈H₂₇NO₃ mw: 305.46

SYNS: 2-(2-DIMETHYLAMINOETHOXY)ETHANOL-1-PHENYLCYCLOPENTYLCARBOXYLATE □ MINEPENTATE □ UCB 1549

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:360 µg/kg:CNS BMJOAE 2,1112,66

orl-rat LD50:1270 mg/kg BMJOAE 2,1112,66

ivn-rat LD50:42 mg/kg BMJOAE 2,1112,66

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Human systemic effects by ingestion: central nervous system disorders. When heated to decomposition it emits toxic fumes of NO_x.**DPB200 CAS: 55118-19-9 HR: D
6-(2-DIMETHYLAMINOETHOXY)-2-((5-NITRO-1-METHYL-2-IMIDAZOLYL)METHYLENE)-1-TETRALON SULFATE**mf: C₁₉H₂₂N₄O₄•H₂O₄S mw: 468.53

SYNS: ZK 26173 □ ZK-Nr.26173

TOXICITY DATA with REFERENCE:

mmo-esc 28 µmol/L JEPTDQ 2(3),657,79

sln-dmg-orl 10 mmol/L JEPTDQ 2(3),657,79

mmo-nsc 400 µg/plate MUREAV 53,297,78

mmo-smc 10 µmol/L JEPTDQ 2(3),657,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**DPB220 CAS: 106626-55-5 HR: D
N-(2-(DIMETHYLAMINO)ETHYL)-1-ACRIDINE-CARBOXAMIDE**mf: C₁₈H₁₉N₃O mw: 293.40

SYN: 1-ACRIDINECARBOXAMIDE, N-(2-(DIMETHYLAMINO)-ETHYL)-

TOXICITY DATA with REFERENCE:

mic-sat 100 mg/L MUREAV 232,233,1990

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**DPB300 CAS: 2439-35-2 HR: 3
DIMETHYLAMINOETHYL ACRYLATE**mf: C₇H₁₃NO₂ mw: 143.21

SYNS: ACRYLIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER □ ADAME □ 2-PROPENOIC ACID, 2-(DIMETHYLAMINO)ETHYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:455 mg/kg EPASR* 8EHQ-1190-1119

ihl-rat LC50:66 mg/m³/4H EPASR* 8EHQ-0391-1119**SAFETY PROFILE:** Poison by inhalation route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**DPB400 CAS: 54099-13-7 HR: 3
N-(2-(DIMETHYLAMINO)ETHYL)-1-ADAMANTANEACETAMIDE ETHYL IODIDE**mf: C₁₆H₂₈N₂O•C₂H₅I mw: 420.43**TOXICITY DATA with REFERENCE:**

orl-mus LD50:600 mg/kg FRPSAX 32,129,77

ipr-mus LD50:75 mg/kg FRPSAX 32,129,77

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.**DPC000 CAS: 108-00-9 HR: 3
2-DIMETHYLAMINOETHYLAMINE**mf: C₄H₁₂N₂ mw: 88.15

PROP: Flash p: 51.8°F, bp: 107°.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flame or oxidizers. When heated to decomposition it emits toxic fumes of NO_x.**DPC200 CAS: 17599-02-9 HR: 3
2-(DIMETHYLAMINO)ETHYL-*p*-AMINOBENZOATE HYDROCHLORIDE**mf: C₁₁H₁₆N₂O₂•ClH mw: 244.75SYNS: 2-(DIMETHYLAMINO)ETHYL ESTER-*p*-AMINOBENZOIC ACID HYDROCHLORIDE □ HCL SALZ des *p*-

AMINO-BENZOESAEURE-DIMETHYLAMINO-AETHYL-ESTER
(GERMAN)

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:370 mg/kg ARZNAD 1,154,51

ivn-rat LDLo:72 mg/kg ARZNAD 1,154,51

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

DPC400 CAS: 52400-61-0 HR: 3
2-(2-(2-(DIMETHYLAMINO)ETHYLAMINO)-
ETHYL)-2-METHYL-1,3-BENZODIOXOLEDI
HYDROCHLORIDE

mf: C₁₄H₂₂N₂O₂•2ClH mw: 323.30

TOXICITY DATA with REFERENCE:

ivn-rat LD50:51 mg/kg EJMCAS 12,413,77

ipr-mus LD50:175 mg/kg EJMCAS 12,413,77

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

DPD200 CAS: 942-46-1 HR: 3
α-(1-(DIMETHYLAMINO)ETHYL)BENZYL
ALCOHOL HYDROCHLORIDE

mf: C₁₁H₁₇NO•ClH mw: 215.75

SYNS: METHYLEPHEDRINE HYDROCHLORIDE □ 1-METHYLEPHEDRINE HYDROCHLORIDE □ N-METHYLEPHEDRINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:185 mg/kg AIPTAK 138,209,62

scu-mus LD50:699 mg/kg NIIRDN 6,827,82

ivn-rbt LDLo:55 mg/kg JPETAB 36,363,29

ivn-gpg LDLo:139 mg/kg AIPTAK 125,236,60

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

DPD400 CAS: 6152-43-8 HR: 3
(2-(DIMETHYLAMINO)ETHYL)(o-BENZYL-
PHENOXY)ETHERHYDROCHLORIDE

mf: C₁₇H₂₁NO•ClH mw: 291.85

SYNS: N-(2'-DIMETHYLAMINOETHYL)-(o-BENZYLPHEN-OL)-AETHER HYDROCHLORIDE (GERMAN) □ HL 2153

TOXICITY DATA with REFERENCE:

orl-mus LD50:305 mg/kg ARZNAD 8,219,58

ipr-mus LD50:164 mg/kg ARZNAD 8,219,58

ivn-mus LD50:60 mg/kg ARZNAD 8,219,58

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

DPE000 CAS: 51-68-3 HR: 3
DIMETHYLAMINOETHYL-4-CHLOROPHENOXY-
ACETIC ACID

mf: C₁₂H₁₆ClNO₃ mw: 257.74

SYNS: ACEPHENE □ ANALUX □ ANP 235 □ AT SEFEN □ CENTROFENOXINA □ CEREBON □ CLOFENOXIN □ CLOPHENOXATE □ p-CHLOROPHENOXYACETIC ACID-β-DIMETHYLAMINOETHYL ESTER □ DEANOL-p-CHLOROPHENOXYACETATE □ DEANOLESTERE □ DIMETHYLAMINOETHYL-p-CHLOROPHENOXYACETATE □

EN 1627 □ HELFERGIN □ LICIDRIL □ LUCIDRYL □

MECLOFENOXANE □ MECLOPHENOXATE □ MUCIDRIL □ PROSERYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2600 mg/kg 27ZQAG -,386,72

orl-mus LD50:1750 mg/kg 27ZQAG -,386,72

ipr-mus LD50:800 mg/kg BCFAAI 111,293,72

ivn-rbt LD50:150 mg/kg 27ZQAG -,386,72

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

DPE100 CAS: 33232-39-2 HR: 3
5-(2-(DIMETHYLAMINO)ETHYL)-2,3-DIHYDRO-3-
HYDROXY-2-(p-METHOXYPHENYL)1,5-
BENZOTHIAZEPIN-4(5H)-ONE-ACETATE
(ESTER) HYDROCHLORIDE

mf: C₂₂H₂₆N₂O₄S•ClH mw: 451.02

TOXICITY DATA with REFERENCE:

orl-rat LD50:560 mg/kg IYKEDH 5,106,74

scu-rat LD50:520 mg/kg IYKEDH 5,106,74

ivn-rat LD50:38 mg/kg IYKEDH 5,106,74

orl-mus LD50:640 mg/kg IYKEDH 5,106,74

scu-mus LD50:280 mg/kg IYKEDH 5,106,74

ivn-mus LD50:58 mg/kg IYKEDH 5,106,74

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

DPE200 CAS: 2424-75-1 HR: 3
DIMETHYLAMINOETHYLDIPHENYLETHOXY
ACETATE HYDROCHLORIDE

mf: C₂₀H₂₅NO₃•ClH mw: 363.92

PROP: Needles. Mp: 170–172°.

SYNS: AESTOCIN □ DIMENOXADOL HYDROCHLORIDE □ β'-DIMETHYLAMINOETHYL-α,α-DIPHENYL-α-ETHOXY-ACETATEHYDROCHLORIDE □ 2-(DIMETHYLAMINO)ETHYL ESTER HYDROCHLORIDE ETHOXYDIPHENYLACETIC ACID □ 2,2-DIPHENYL-2-ETHOXYACETIC ACID (2-(DIMETHYL-AMINO)ETHYL) ESTER HYDROCHLORIDE □ ESTOCINE □ ESTOTSIN □ LOKARIN □ PROPALGYL

TOXICITY DATA with REFERENCE:

ivn-rat LD50:66 mg/kg PCJOAU 8,189,74

orl-mus LD50:700 mg/kg MEIEDD 10,467,84

ipr-mus LD50:175 mg/kg PCJOAU 4,7,70

scu-mus LD50:179 mg/kg RPTOAN 32,317,69

ivn-mus LDLo:40 mg/kg JMCMA 8,571,65

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

DPE800 CAS: 78372-05-1 HR: 3
1-(2-(DIMETHYLAMINO)ETHYL)-1-ETHYL-3-
MESITYLUREA HYDROCHLORIDE

mf: C₁₆H₂₇N₃O•ClH mw: 313.92

TOXICITY DATA with REFERENCE:

ipr-rat LD50:123 mg/kg ARZNAD 8,664,58

scu-mus LD50:230 mg/kg ARZNAD 8,664,58

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

DPF200 CAS: 69884-15-7 HR: 2
N-(4-(1-(DIMETHYLAMINO)ETHYLIDENE)-AMINO)PHENYL)-2-METHOXYACETAMIDE HYDROCHLORIDE

mf: $\text{C}_{13}\text{H}_{19}\text{N}_3\text{O}_2\cdot\text{ClH}$ mw: 285.81

PROP: A solid. Mp: 206–207°.

SYNS: AMIDANTEL □ BAY d8815 □ N-(4-((1-(DIMETHYLAMINO)-AETHYLIDEN)AMINO)PHENYL)-2-METHOXY-ACETAMID-HYDROCHLORID (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:4693 mg/kg ARZNAD 29,31,79
 orl-mus LD50:1207 mg/kg ARZNAD 29,31,79
 scu-mus LD50:569 mg/kg ARZNAD 29,31,79
 orl-dog LD50:500 mg/kg ARZNAD 29,31,79
 orl-cat LD50:750 mg/kg ARZNAD 29,31,79
 orl-rbt LD50:500 mg/kg ARZNAD 29,31,79

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

DPF600 CAS: 61-50-7 HR: 3
3-(2-(DIMETHYLAMINO)ETHYL)INDOLE

mf: $\text{C}_{12}\text{H}_{16}\text{N}_2$ mw: 188.30

PROP: A solid. Mp: 48–49°.

SYNS: N,N-DIMETHYLTRYPTAMINE □ DMT

TOXICITY DATA with REFERENCE:

ims-man TDLo:1 mg/kg:EYE,CNS,CVS PSYPAG 4,39,63
 ipr-mus LD50:47 mg/kg YKKZAJ 94,1620,74
 ivn-mus LD50:32 mg/kg CSLNX* NX#00740

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Human systemic effects by intramuscular route: pupil dilation, hallucinations and distorted perceptions, blood pressure increase. When heated to decomposition it emits toxic fumes of NO_x .

DPG000 CAS: 101831-88-3 HR: 3
3-(2-(DIMETHYLAMINO)ETHYL)INDOLE-SULFOSALICYLATE

SYN: N,N-DIMETHYL-β-3-INDOLYLETHYLAMINE SULFOSALICYLATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:153 mg/kg RPTOAN 33,180,70
 ivn-mus LD50:69 mg/kg RPTOAN 33,180,70

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

DPG109 CAS: 487-93-4 HR: 3
3-(2-DIMETHYLAMINOETHYL)-5-INDOLOL

mf: $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}$ mw: 204.30

PROP: A solid. Mp: 146–147°, bp: 320° @ 0.1 mm.

SYNS: BUFOTENIN □ 3-(β-DIMETHYLAMINOETHYL)-5-HYDROXYINDOLE □ N,N-DIMETHYL-5-HYDROXYTRYPTAMINE □ N,N-DIMETHYL-SEROTONIN □ 5-HYDROXY-N,N-DIMETHYLTRYPTAMINE

TOXICITY DATA with REFERENCE:

ivn-hmn TDLo:57 µg/kg:PSY SCIEAS 123,886,56

ipr-mus LD50:290 mg/kg PSYPAG 16,385,70

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects with very small amounts taken by intravenous route: psychotropic effects. A modified natural neurotransmitter. When heated to decomposition it emits toxic fumes of NO_x .

DPG133 CAS: 63906-35-4 HR: 3
2-DIMETHYLAMINOETHYL (1H-INDOL-3-YL)-ACETATE HYDROCHLORIDE

mf: $\text{C}_{14}\text{H}_{18}\text{N}_2\text{O}_2\cdot\text{ClH}$ mw: 282.80

SYN: ACETIC ACID, (1H-INDOL-3-YL)-, 2-DIMETHYLAMINOETHYLESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:90 mg/kg CRSBAW 153,1914,1959

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

DPG200 CAS: 101652-11-3 HR: 3
10-(2-(DIMETHYLAMINO)ETHYL)ISOALLOXAZINE SULFATE

mf: $\text{C}_{14}\text{H}_{15}\text{N}_5\text{O}_2\cdot\text{H}_2\text{O}_4\text{S}$ mw: 383.42

TOXICITY DATA with REFERENCE:

scu-mus LD50:90 mg/kg CMTRAG 2,96,61
 ivn-mus LD50:75 mg/kg CMTRAG 2,96,61

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

DPG400 CAS: 78372-06-2 HR: 3
1-(2-(DIMETHYLAMINO)ETHYL)-1-ISOPROPYL-3-(2,6-XYLYL)UREA HYDROCHLORIDE

mf: $\text{C}_{16}\text{H}_{27}\text{N}_3\text{O}\cdot\text{ClH}$ mw: 313.92

SYN: C 3215

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 8,664,58
 ipr-rat LD50:41 mg/kg ARZNAD 8,664,58
 scu-mus LD50:57 mg/kg ARZNAD 8,664,58

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

DPG600 CAS: 2867-47-2 HR: 3
DIMETHYLAMINOETHYL METHACRYLATE DOT: UN 2522

mf: $\text{C}_8\text{H}_{15}\text{NO}_2$ mw: 157.24

PROP: Liquid, sol in water and org solvs. D: 0.933 @ 25°, bp: 182–190°, flash p: 165°F (TOC), vap d: 5.4.

SYNS: AGEFLEX FM-1 □ 2-(DIMETHYLAMINO)ETHANOL METHACRYLATE □ 2-(DIMETHYLAMINO)ETHYL ESTER METHACRYLIC ACID □ N,N-DIMETHYLAMINOETHYL METHACRYLATE □ β-DIMETHYLAMINOETHYL METHACRYLATE □ 2-(DIMETHYLAMINO)ETHYL METHACRYLATE □ USAF RH-3

TOXICITY DATA with REFERENCE:

orl-rat LD50:1751 mg/kg 85GMAT -,55,82
 ihl-rat LC50:620 mg/m³/4H 85GMAT -,55,82
 ihl-mus LC50:1800 mg/m³/2H 85GMAT -,55,82
 ipr-mus LD50:25 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and inhalation. A skin, eye, and mucous membrane irritant. A powerful lachrymator. Flammable when exposed to sparks, heat, open flame, or oxidizers. To fight fire, use alcohol foam, dry chemical, spray. When heated to decomposition it emits toxic fumes of NO_x. See also ESTERS.

DPH000 CAS: 4724-58-7 HR: 3
2-DIMETHYLAMINOETHYL-2-METHYLBENZHYDRYL ETHER CITRATE

mf: C₁₈H₂₃NO•C₆H₈O₇ mw: 461.56

SYNS: BENHEXAL □ N,N-DIMETHYL-2-((o-METHYL-α-PHENYL-BENZYL)OXY)-ETHYLAMINE CITRATE □ NORFLEX □ ORFENADRINA □ ORPHENADRINE CITRATE □ R-528

TOXICITY DATA with REFERENCE:

dnd-esc 50 μmol/L MUREAV 89,95,81
 ivn-rat LD50:26 mg/kg 27ZQAG -,373,72
 ims-rat LD50:208 mg/kg 27ZQAG -,373,72
 orl-mus LD50:150 mg/kg 29ZVAB -,83,69
 ivn-mus LD50:37 mg/kg 27ZQAG -,373,72
 ivn-rbt LD50:22 mg/kg IJNEAQ 5,305,66

SAFETY PROFILE: Poison by ingestion, intramuscular, and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also ETHERS.

DPH200 CAS: 65210-30-2 HR: 3
2-(2-(DIMETHYLAMINO)ETHYL)-2-METHYL-1,3-BENZODIOXOLE HYDROCHLORIDE

mf: C₁₂H₁₇NO₂•ClH mw: 243.76

TOXICITY DATA with REFERENCE:

ivn-rat LD50:60 mg/kg EJMCA5 12,413,77
 ipr-mus LD50:200 mg/kg EJMCA5 12,413,77

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

DPH300 CAS: 103628-46-2 HR: 3
3-(2-(DIMETHYLAMINO)ETHYL)-N-METHYL-1H-INDOLE-5-METHANESULFONAMIDE

mf: C₁₄H₂₁N₃O₂S mw: 295.44

SYNS: GR 43175 □ GR 43175X □ IMIGRAN □ IMITREX □ 1H-INDOLE-5-METHANESULFONAMIDE, 3-(2-(DIMETHYLAMINO)ETHYL)-N-METHYL- □ SUMATRIPTAN

TOXICITY DATA with REFERENCE:

scu-man TDLo:86 mg/kg:CNS BMJOAE 304,1415,92
 scu-man TDLo:429 μg/kg/2W-I:BAH LANCAO 341,1091,93
 scu-wmn TDLo:120 μg/kg:BAH LANCAO 341,1091,93
 scu-wmn TDLo:240 μg/kg/1H-I:PNS,BAH LANCAO 343,1105,94
 orl-rat LDLo:>2 g/kg HETOEA 14,959,95
 scu-rat LD :>1 g/kg HETOEA 14,959,95
 ivn-rat LD :>20 mg/kg HETOEA 14,959,95
 orl-mus LDLo:>500 mg/kg HETOEA 14,959,95
 scu-mus LDLo:>100 mg/kg HETOEA 14,959,95

SAFETY PROFILE: A poison by subcutaneous route. Moderately toxic by ingestion. Questionable carcinogen

with experimental carcinogenic data. Human systemic effects: cardiac arrhythmias, EKG changes, muscle weakness, sensory change involving peripheral nerve, flaccid paralysis without anesthesia, hallucinations, distorted perceptions. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

DPH400 CAS: 104-19-8 HR: 3
1-(2-(DIMETHYLAMINO)ETHYL)-4-METHYL-PIPERAZINE

mf: C₉H₂₁N₃ mw: 171.33

TOXICITY DATA with REFERENCE:

skn-rbt 100 μg/24H open AIHAAP 23,95,62
 skn-rbt 5 mg/24H SEV 85JCAE -,867,86
 eye-rbt 750 μg/24H SEV 85JCAE -,867,86
 orl-rat LD50:1420 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:390 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPH430 CAS: 10593-16-5 HR: 3
2-DIMETHYLAMINOETHYL 1-NAPHTHYL-ACETATE HYDROCHLORIDE

mf: C₁₆H₁₉NO₂•ClH mw: 293.82

SYN: ACETIC ACID, 1-NAPHTHYL-, 2-DIMETHYLAMINOETHYL ESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:85 mg/kg CRSBAW 153,1914,1959

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

DPH440 CAS: 63906-43-4 HR: 3
2-DIMETHYLAMINOETHYL 2-NAPHTHYLOXY-ACETATE HYDROCHLORIDE

mf: C₁₆H₁₉NO₃•ClH mw: 309.82

SYN: ACETIC ACID, 2-NAPHTHYLOXY-, 2-DIMETHYL-AMINOETHYLESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:130 mg/kg CRSBAW 153,1914,1959

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

DPH500 CAS: 25708-11-6 HR: 2
1-DIMETHYLAMINO-6-ETHYLOCTANE-6-YN-4-OL-2 HYDROCHLORIDE

mf: C₁₂H₂₁NO•ClH mw: 231.80

SYNS: 1-(DIMETHYLAMINO)-6-ETHYL-6-OCTEN-4-YN-2-OL HYDROCHLORIDE □ 6-OCTEN-4-YN-2-OL, 1-(DIMETHYLAMINO)-6-ETHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-mus LD50:850 mg/kg RPTOAN 33,92,70

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

DPH600 CAS: 4985-15-3 HR: 3
5-DIMETHYLAMINOETHYLOXYIMINO-5H-DIBENZO(a,d)CYCLOHEPTA-1,4-DIENE HYDROCHLORIDE

mf: C₁₉H₂₂N₂O•ClH mw: 330.89

PROP: A solid. Mp: 185–187°.

SYNS: AGEDAL □ BAY 1521 □ 5-(DIMETHYLAMINOAEETHYL-OXYIMINO)-5H-DIBENZO(a,d)CYCLOHEPTA-1,4-DIENHYDRO-CHLORID (GERMAN) □ 5-(DIMETHYLAMINO-OXYIMINO)-5H-DIBENZO(a,b)CYCLOHEPTA-1,4-DIENE HYDROCHLORIDE □ 5-(DIMETHYLAMINOETILOSIMINO-5H-DIBENZO(a,d)CICLO-EPTA-1,4-DIENE) CLORIDRATO (ITALIAN) □ NOGEDAL □ NOXIPTILINE HYDROCHLORIDE □ NOXIPTILIN HYDROCHLORID (GERMAN) □ NOXIPTYLINE HYDRO-CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:607 mg/kg FRPPAO 25,519,70
 ipr-rat LD50:149 mg/kg FRPPAO 25,519,70
 scu-rat LD50:985 mg/kg 27ZQAG -,84,72
 ivn-rat LD50:12 mg/kg KSRNAM 6,1897,72
 ims-rat LD50:209 mg/kg FRPPAO 25,519,70
 orl-mus LD50:275 mg/kg KSRNAM 6,1897,72
 ipr-mus LD50:93 mg/kg FRPPAO 25,519,70
 scu-mus LD50:212 mg/kg KSRNAM 6,1897,72
 ivn-mus LD50:21,300 µg/kg KSRNAM 6,1897,72
 ims-mus LD50:144 mg/kg FRPPAO 25,519,70
 orl-dog LD50:800 mg/kg ARZNAD 19,846,69
 scu-dog LD50:100 mg/kg ARZNAD 19,846,69

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

DPI000 CAS: 5934-20-3 HR: 3
N-DIMETHYLAMINOETHYLPHENOTHIAZINE HYDROCHLORIDE

mf: C₁₆H₁₈N₂S•ClH mw: 306.88

PROP: A solid. Mp: 201–201.5°.

SYNS: N-(β-DIMETHYLAMINOETHYL)-PHENOTHIAZINE-HYDROCHLORIDE □ FENETHAZINE HYDROCHLORIDE □ LISERGAN HYDROCHLORIDE □ RUTERGAN HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:115 mg/kg MEIEDD 10,572,83
 scu-mus LD50:210 mg/kg 27ZQAG -,38,72

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

DPI400 CAS: 52401-02-2 HR: 3
2-(2-(DIMETHYLAMINO)ETHYL)-2-PHENYL-1,3-BENZODIOXOLE HYDROCHLORIDE

mf: C₁₇H₁₉NO₂•ClH mw: 305.83

TOXICITY DATA with REFERENCE:

ivn-rat LD50:23 mg/kg EJMCA5 12,413,77
 ipr-mus LD50:83 mg/kg EJMCA5 12,413,77

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

DPI600 CAS: 74758-13-7 HR: 2
N-(2-(DIMETHYLAMINO)ETHYL)-N-(3-PHENYL-1-INDOLYL)ACETAMIDE HYDROCHLORIDE

mf: C₂₀H₂₃N₃O•ClH mw: 357.92

TOXICITY DATA with REFERENCE:

orl-rat LD50:1100 mg/kg ARZNAD 30,919,80
 orl-mus LD50:1000 mg/kg ARZNAD 30,919,80

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

DPI700 HR: 3
β-DIMETHYLAMINOETHYL-2-PHENYLTETRA-HYDROBENZOATE HYDROCHLORIDE

mf: C₁₇H₂₃NO₂•ClH mw: 309.87

SYNS: 2-PHENYL-3-CYCLOHEXENE-1-CARBOXYLIC ACID 2-DIMETHYLAMINOETHYL ESTER HYDROCHLORIDE □ S 187

TOXICITY DATA with REFERENCE:

scu-rat LDLo:800 mg/kg APPNAH 1,4,50
 ivn-rat LDLo:80 mg/kg APPNAH 1,4,50
 ivn-rbt LDLo:40 mg/kg APPNAH 1,4,50
 scu-gpg LDLo:267 mg/kg APPNAH 1,4,50
 ivn-gpg LDLo:27 mg/kg APPNAH 1,4,50

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

DPI710 CAS: 25877-27-4 HR: 3
2-(2-(DIMETHYLAMINO)ETHYL)PYRIDINE HYDROCHLORIDE

mf: C₉H₁₄N₂•ClH mw: 186.71

SYNS: 2-(β-DIMETHYLAMINOETHYL)PYRIDINE HYDROCHLORIDE □ ND-4 □ PYRIDINE, 2-(2-(DIMETHYL-AMINO)ETHYL)-, MONOHYDROCHLORIDE □ 2-PYRIDINE-ETHANAMINE, N,N-DIMETHYL-, MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:321 mg/kg FATOAO 33,231,1970

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl₂.

DPI750 CAS: 96811-96-0 HR: 3
2-(2-(DIMETHYLAMINO)ETHYL)(SELENO-PHENE-2-YLMETHYL)AMINO)PYRIDINE

mf: C₁₄H₁₉N₃Se mw: 308.32

SYN: PYRIDINE, 2-((2-(DIMETHYLAMINO)ETHYL)(SELENO-PHENE-2-YLMETHYL)AMINO)-

TOXICITY DATA with REFERENCE:

par-mus LD50:90 mg/kg 43FLAV 4(3),559,80

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

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

DPJ200 CAS: 91-79-2 HR: 3
2-(2-(DIMETHYLAMINOETHYL)-3-THENYL-AMINO)PYRIDINE

mf: C₁₄H₁₉N₃S mw: 261.42

PROP: Bp: 169–172° @ 1 mm.

SYNS: DIETHYLENDIAMINE □ N-(2-DIMETHYLAMINO-ETHYL)-N-2-PYRIDYL-3-THENYLAMINE □ METHAPYRILENE □ NCI-C60640 □ N-(α -PYRIDYL)-N-(β -THENYL)-N',N'-DIMETHYLETHYLENEDIAMINE □ TENFIDIL □ THEFANIL □ THENFADIL □ THENYLDIAMINE □ WIN-2848

TOXICITY DATA with REFERENCE:

dnd-esc 30 μ mol/L MUREAV 89,95,81
 orl-hmn TDLo:50 mg/kg;CNS,GIT CTOXAO 11,287,77
 ipr-mus LD50:77 mg/kg CLDND*

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by ingestion: hallucinations and distorted perceptions, gastrointestinal changes. Mutation data reported. An antihistamine. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

DPJ400 CAS: 135-23-9 HR: 3
2-((2-(DIMETHYLAMINO)ETHYL)-2-THENYL-AMINO)PYRIDINE HYDROCHLORIDE

mf: C₁₄H₁₉N₃S•ClH mw: 297.88

PROP: A solid. Mp: 162°. Very sol in water.

SYNS: BARHIST □ CAPATHYN □ CORYZOL □ N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-1,2-ETHANEDIAMINE MONOHYDROCHLORIDE □ N,N-DIMETHYL-N'-(2-PYRIDYL)-N'-THENYLETHYLENEDIAMINE HYDROCHLORIDE □ N,N-DIMETHYL-N'-(2-THENYL)-N'-(2-PYRIDYL-ETHYLENE-DIAMINE HYDROCHLORIDE) □ DOZAR □ HISTADYL HYDROCHLORIDE □ HISTAFED □ HISTIDYL □ LULLAMIN □ METHACON □ METHAPYRILENE HYDROCHLORIDE □ METHAPYRILENE HYDROCHLORIDE (L.A.) □ METHAPYRILENE HYDROCHLORIDE (S.A.) □ METHOXYLENE □ PYRATHYN □ N-(2-PYRIDYL)-N-(2-THIENYL)-N,N'-DIMETHYL-ETHYLENEDIAMINE HYDROCHLORIDE □ SEMIKON □ SEMIKON HYDROCHLORIDE □ SOMNICAPS □ TEM-HISTINE □ TERALIN □ THENYLENE □ THENYLENE HYDROCHLORIDE □ THENYLPYRAMINE HYDROCHLORIDE □ W-53 HYDROCHLORIDE □ WIN 2848 HYDROCHLORIDE SALT

TOXICITY DATA with REFERENCE:

mno-smc 500 mg/L IAPUDO 57,721,84
 mrc-smc 1250 mg/L IAPUDO 57,721,84
 dns-rat :lvr 1 μ mol/L CNREA8 42,3010,82
 oms-rat:lvr 100 μ mol/L MUREAV 135,131,84
 orl-man TDLo:429 μ g/kg;GIT JPETAB 90,83,47
 orl-rat LD50:521 mg/kg 29ZVAB -,73,69
 scu-rat LD50:150 mg/kg 29ZVAB -,73,69
 orl-mus LD50:182 mg/kg JPETAB 90,83,47
 scu-mus LD50:75 mg/kg JPETAB 93,210,48
 ivn-mus LD50:17,500 μ g/kg JPETAB 93,210,48
 ivn-gpg LD50:14,600 μ g/kg AIPTAK 113,313,58

CONSENSUS REPORTS: NCI Carcinogenesis Studies (feed): Clear Evidence: rat FCTOD7 22,27,84; Clear Evidence: rat SCIEAS 209,817,80; (gavage); No Evidence: guinea pig, ham JTEHD6 12,653,83. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intravenous, and subcutaneous routes. Human systemic effects by ingestion: gastritis. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. An antihistamine. When heated to decomposition it emits very toxic fumes of Cl⁻, SO_x, and NO_x.

DPJ600 CAS: 13261-62-6 HR: 2
2-DIMETHYLAMINOFLUORENE

mf: C₁₅H₁₅N mw: 209.31

PROP: Crystals from EtOH. Mp: 180°.

SYNS: 2-DIMETHYLAMINO-FLUORENE (GERMAN) □ N,N-DIMETHYL-2-AMINOFLUORENE □ 2-FLUORENYLDIMETHYLAMINE

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

DPJ800 CAS: 87-01-4 HR: 2
7-DIMETHYLAMINO-4-METHYLCOUMARIN

mf: C₁₂H₁₃NO₂ mw: 203.26

SYNS: 2H-1-BENZOPYRAN-2-ONE, 7-(DIMETHYLAMINO)-4-METHYL-(9CI) □ COUMARIN 311 □ DAMC □ 7-(DIMETHYLAMINO)-4-METHYL-2H-1-BENZOPYRAN-2-ONE □ FBA 52

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1500 mg/kg CNREA8 26,619,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPK000 HR: 3
anti-8-(N,N-DIMETHYLAMINOMETHYL)DI-BENZOBICYCLO(3.2.1)OCTADIENE HYDROCHLORIDE

SYN: 10,11-DIHYDRO-N,N-DIMETHYL-5,10-METHANO-5H-DIBENZO(a,d)CYCLOHEPTENE-12-METHANAMINE HCl

TOXICITY DATA with REFERENCE:

orl-mus LD50:151 mg/kg DRFUD4 3,142,78

ivn-mus LD50:29 mg/kg DRFUD4 3,142,78

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

DPK400 CAS: 142-25-6 HR: 3
2-DIMETHYLAMINO-N-METHYLETHYLAMINE

mf: C₅H₁₄N₂ mw: 102.18
 (CH₃)₂NC₂H₄NHCH₃

PROP: Flash p: 57.2°F.

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

DPK500 CAS: 2064-23-5 HR: 3
5-(2'-(N,N-DIMETHYLAMINO)-2'-METHYL)-ETHYL-10,11-DIHYDRO-5H-DIBENZ(b,f)-AZEPINE

mf: C₁₉H₂₄N₂ mw: 280.45

SYN: 5H-DIBENZ(b,f)AZEPINE, 10,11-DIHYDRO-5-(2'-(N,N-DIMETHYLAMINO)-2'-METHYL)ETHYL-

TOXICITY DATA with REFERENCE:

ivn-rat LD50:22 mg/kg AIPTAK 120,450,1959

ivn-mus LD50:31 mg/kg AIPTAK 120,450,1959

ivn-rbt LD50:13 mg/kg AIPTAK 120,450,1959

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

DPL000 CAS: 55738-54-0 HR: 3
trans-2-((DIMETHYLAMINO)METHYLIMINO)-5-(2-(5-NITRO-2-FURYL)VINYL)-1,3,4-OXADIAZOLE

mf: C₁₁H₁₂N₅O₄ mw: 277.27

TOXICITY DATA with REFERENCE:

mma-sat 100 ng/plate MUREAV 40,9,76

mmo-esc 300 nmol/well CNREA8 34,2266,74

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 7,147,74. EPA Genetic Toxicology Program.

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

DPL200 CAS: 2914-77-4 HR: 3
2-DIMETHYLAMINOMETHYL-1-(m-METHOXY-PHENYL)CYCLOHEXANOL

mf: C₁₆H₂₅NO₂ mw: 263.42

TOXICITY DATA with REFERENCE:

orl-mus LD50:395 mg/kg ARZNAD 28,107,78

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

DPL300 CAS: 81862-00-2 HR: 3
2-(DIMETHYLAMINO)-N-(((METHYL((2-PHENYL-1,3-DIOXAN-5-YL)METHOXY) SULFINYL)AMINO)CARBONYL)OXY)-2-OXO-ETHANIMIDOTHIOIC ACID, METHYL ESTER

mf: C₁₈H₂₅N₃O₇S₂ mw: 459.58

TOXICITY DATA with REFERENCE:

orl-mus LD50:25 mg/kg USXXAM #4315026

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

DPL900 CAS: 63982-47-8 HR: 3
3-DIMETHYLAMINO-4-METHYLPHENYL ESTER-N-METHYLCARBAMIC ACID HYDROCHLORIDE

mf: C₁₁H₁₆N₂O₂•ClH mw: 244.75

SYNS: N-METHYLURETHANE of HYDROCHLORIDE of 2-DIMETHYLAMINO-p-CRESOL □ T-1768

TOXICITY DATA with REFERENCE:

orl-mus LD50:60 mg/kg JCSOA9 -,182,47

scu-mus LD50:10 mg/kg JCSOA9 -,182,47

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

DPL950 CAS: 56464-05-2 HR: 3
1-(4-(DIMETHYLAMINO)-2-METHYL-5-PHENYL-1H-PYRROL-3-YL)ETHANONE

mf: C₁₅H₁₈N₂O mw: 242.35

SYNS: ETHANONE, 1-(4-(DIMETHYLAMINO)-2-METHYL-5-PHENYL-1H-PYRROL-3-YL)- □ KETONE, (4-(DIMETHYLAMINO)-2-METHYL-5-PHENYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

DPM200 CAS: 1477-79-8 HR: 3
3-DIMETHYLAMINO-2-METHYL-1-PHENYL-α-TOLYPROPANOL HYDROCHLORIDE

mf: C₁₉H₂₅NO•ClH mw: 319.91

SYNS: α-(2-(DIMETHYLAMINO)-1-METHYLETHYL)-2-METHYL-α-PHENYLBENZENEETHANOL, HCl □ SKF 70643-A

TOXICITY DATA with REFERENCE:

orl-rat LD50:185 mg/kg JPPMAB 17,509,65

orl-mus LD50:245 mg/kg JPPMAB 17,509,65

orl-mam LD50:250 mg/kg JMCMAR 8,836,65

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

DPM400 CAS: 7005-47-2 HR: 3
2-DIMETHYLAMINO-2-METHYL-1-PROPANOL

mf: C₆H₁₅NO mw: 117.22

SYNS: DMAMP □ USAF CS-1

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:25 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.

DPN200 CAS: 605-65-2 HR: 3
5-(DIMETHYLAMINO)-1-NAPHTHALENE-SULFONYL CHLORIDE

mf: C₁₂H₁₂ClNO₂ mw: 237.70

PROP: Crystals from Me₂CO (aq). Mp: 69°.

SYNS: 1-CHLOROSULFONYL-5-DIMETHYLAMINO-NAPHTHALENE □ DANSYL □ DANSYL CHLORIDE □ DIMETHYLAMINONAPHTHALENESULFONYL CHLORIDE □ 1-DIMETHYLAMINONAPHTHALENE-5-SULFONYL CHLORIDE □ 1-(DIMETHYLAMINO)-5-NAPHTHALENESULFONYL CHLORIDE □ 5-DIMETHYLAMINONAPHTHYL-5-SULFONYL CHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#00262

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPN300 CAS: 2348-79-0 HR: 3
2-DIMETHYLAMINO-1,4-NAPHTHOQUINONE

mf: C₁₂H₁₁NO₂ mw: 201.24

SYN: 1,4-NAPHTHOQUINONE, 2-DIMETHYLAMINO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#06687

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

DPN400 CAS: 6632-68-4 HR: 2
1,3-DIMETHYL-4-AMINO-5-NITROSOURACIL

mf: C₆H₈N₄O₃ mw: 184.18

PROP: Violet crystals. Sol in alkalis; sltly sol in H₂O and Me₂CO; insol in EtOH, CHCl₃, dioxan, and Et₂O.

SYN: DANU

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2000 mg/kg ZKKOBW 80,297,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPN500 CAS: 92065-83-3 HR: 1
2-(DIMETHYLAMINO)-2-OXOETHYL-N-(((METHYLAMINO)CARBONYL)OXY)ETHANIMIDOTHIOATE

mf: C₈H₁₃N₃O₃S mw: 233.32

SYN: ETHANIMIDOTHIOIC ACID, N-(((METHYLAMINO)-CARBONYL)OXY)-, 2-(DIMETHYLAMINO)-2-OXOETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:9800 µg/kg USXXAM #4454134

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

DPN800 CAS: 5882-48-4 HR: 3
4-DIMETHYLAMINOPHENOL HYDROCHLORIDE

mf: C₈H₁₁NO•ClH mw: 173.66

SYN: p-DIMETHYLAMINOPHENOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:689 mg/kg TXCYAC 31,165,84

ipr-rat LD50:90 mg/kg ARTODN 34,333,75

ivn-rat LD50:57 mg/kg ARTODN 34,337,75

orl-mus LD50:946 mg/kg TXCYAC 31,165,84

ipr-mus LD50:83 mg/kg ARTODN 49,191,82

ivn-mus LD50:70 mg/kg TXCYAC 31,165,84

orl-gpg LD50:1032 mg/kg TXCYAC 31,165,84

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

DPN900 CAS: 20161-55-1 HR: 3
(7-(DIMETHYLAMINO)-3H-PHENOXAZIN-3-YLIDENE)DIMETHYLAMMONIUM CHLORIDE

mf: C₁₆H₁₈N₃O•Cl mw: 303.82

SYNS: AMMONIUM, (7-(DIMETHYLAMINO)-3H-PHENOX-AZIN-3-YLIDENE)DIMETHYL-, CHLORIDE □ CAPRI BLUE GN □ PHENOXAZIN-5-IUM, 3,7-BIS(DIMETHYLAMINO)-, CHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:33 mg/kg TXAPA9 44,225,78

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

DPO100 CAS: 93407-11-5 HR: 3
3-DIMETHYLAMINO-2-PHENOXYPROPIOPHENONE HYDROCHLORIDE

mf: C₁₇H₁₉NO₂•ClH mw: 305.83

SYN: U-0172

TOXICITY DATA with REFERENCE:

skn-rbt 2500 ppm MLD AIPTAK 137,410,62

eye-rbt 5000 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:178 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: Poison by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl.

DPO200 CAS: 539-17-3 HR: 3
4-(p-DIMETHYLAMINOPHENYLAZO)ANILINE

mf: C₁₄H₁₆N₄ mw: 240.34

SYNS: ACETILE DIAZO BLACK N □ ADAB □ p-AMINO-BENZENEAZODIMETHYLANILINE □ 4-AMINO-DAB □ 4-AMINO-4'-DIMETHYLAMINOAZOBENZENE □ 4'-AMINO-N,N-DIMETHYL-4-AMINOAZOBENZENE □ 4-((4-AMINO-PHENYL)AZO)-N,N-DIMETHYLBENZENAMINE □ C.I. 11025 □ C.I. DISPERSE BLACK 3 □ DIAZO NERO MICROSETILE G □ INTERCHEM ACETATE DEVELOPED BLACK □ MEISEI TERYL DIAZO BLACK CR □ MICROSETILE DIAZO BLACK G □ SUPRACET DIAZO BLACK A

TOXICITY DATA with REFERENCE:

mma-sat 20 µg/plate CALEDQ 17,263,83

otr-rat:lvrl 50 µmol/L CNREA8 43,5087,83

otr-ham:kdy 2500 µg/L BJCAAI 38,34,78

ipr-rat LD50:350 mg/kg CNREA8 34,2274,74

ipr-mus LD50:350 mg/kg CNREA8 34,2274,74

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.

DPO275 CAS: 73688-85-4 HR: 3
4-(p-DIMETHYLAMINOPHENYLAZO)-BENZENE-ARSONIC ACID HYDROCHLORIDE

mf: C₁₄H₁₆AsN₃O₃•ClH mw: 385.71

PROP: Mp: 203° decomposes.

SYN: BENZENEARSONIC ACID, 4-(p-DIMETHYLAMINO-PHENYLAZO)-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:25 mg/kg CSLNX* NX#05710

OSHA PEL: TWA 0.5 mg(As)/m³

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

DPO400 CAS: 18463-85-9 HR: 2
6-(p-(DIMETHYLAMINO)PHENYL)AZO)BENZOTHAZOLE

mf: C₁₅H₁₄N₄S mw: 282.39

SYNS: 6-DIMETHYLAMINOPHENYLAZOBENZOTHAZOLE □ 6-DIMETHYLAMINOPHENYLAZOBENZTHIAZOLE □ N,N-DIMETHYL-p-(6-BENZTHIAZOLYL)AZO)ANILINE □ N,N-DIMETHYL-4-(6'-BENZTHIAZOLYL)AZO)ANILINE

TOXICITY DATA with REFERENCE:

dns-rat-unr 10 mg/kg CRNGDP 6,611,85

dns-rat-orl 10 mg/kg MUREAV 156,1,85

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

DPO600 CAS: 18559-92-7 HR: 2
7-((p-(DIMETHYLAMINO)PHENYL)AZO)-BENZOTHAZOLE

mf: C₁₅H₁₄N₄S mw: 282.39

SYNS: N,N-DIMETHYL-p-(7-BENZTHIAZOLYLAZO)ANILINE

□ N,N-DIMETHYL-4-(7-BENZTHIAZOLYLAZO)ANILINE

TOXICITY DATA with REFERENCE:

mma-sat 4 µg/plate MUREAV 93,67,82

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

DPO800 CAS: 63040-63-1 HR: 2
4-((p-(DIMETHYLAMINO)PHENYL)AZO)-ISOQUINOLINE

mf: C₁₇H₁₆N₄ mw: 276.37

SYN: N,N-DIMETHYL-4-(4'-ISOQUINOLINYLAZO)ANILINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:3276 mg/kg/26W-C:ETA AICCA6 19,531,63

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

DPP000 CAS: 63040-64-2 HR: 2
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-ISOQUINOLINE

mf: C₁₇H₁₆N₄ mw: 276.37

SYN: N,N'-DIMETHYL-4-(5'-ISOQUINOLINYLAZO)ANILINE

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

DPP200 CAS: 63040-65-3 HR: 2
7-((p-(DIMETHYLAMINO)PHENYL)AZO)-ISOQUINOLINE

mf: C₁₇H₁₆N₄ mw: 276.37

SYN: N,N-DIMETHYL-4-(7'-ISOQUINOLINYLAZO)ANILINE

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

DPP400 CAS: 10318-23-7 HR: 2
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-ISOQUINOLINE-2-OXIDE

mf: C₁₇H₁₆N₄O mw: 292.37

SYN: N,N-DIMETHYL-4-(5'-ISOQUINOLYL-2'-OXIDE)AZOANILINE

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

DPP600 CAS: 19471-27-3 HR: 2
4-((p-(DIMETHYLAMINO)PHENYL)AZO)-2,5-LUTIDINE 1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYN: N,N-DIMETHYL-4-(4'-(2',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE

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

DPP709 CAS: 19456-77-0 HR: 2
4-((p-(DIMETHYLAMINO)PHENYL)AZO)-3,5-LUTIDINE-1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYNS: N,N-DIMETHYL-4-(4'-(3',5'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE □ N,N-DIMETHYL-4-(3',5'-LUTIDYL-1'-OXIDE)AZO)ANILINE

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

DPP800 CAS: 7349-99-7 HR: 2
4-((4-(DIMETHYLAMINO)PHENYL)AZO)-2,6-LUTIDINE-1-OXIDE

mf: C₁₅H₁₈N₄O mw: 270.37

SYNS: N,N-DIMETHYL-4-(4'-(2',6'-DIMETHYLPYRIDYL-1'-OXIDE)AZO)ANILINE □ 2,6-DIMETHYLPYRIDINE-1-OXIDE-4-AZO-p-DIMETHYLANILINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:714 mg/kg/17W-C:NEO JNCIAM 37,365,66

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

DPQ200 CAS: 33804-48-7 HR: 3
4-((p-(DIMETHYLAMINO)PHENYL)AZO)-N-METHYLACETANILIDE

mf: C₁₇H₂₀N₄O mw: 296.41

SYNS: N'-ACETYL-N'-METHYL-4'-AMINO-N,N-DIMETHYL-4-AMINOAZOBENZENE □ 4-(N-ACETYL-N-METHYL)AMINO-4'-(N',N'-DIMETHYLAMINO)AZOBENZENE □ N',N'-DIMETHYL-4'-AMINO-N-ACETYL-N-MONOMETHYL-4-AMINOAZOBENZENE □ N-(4-((4-(DIMETHYLAMINO)PHENYL)AZO)PHENYL)-N-METHYLACETAMIDE

TOXICITY DATA with REFERENCE:

mma-sat 250 nmol/plate CNREA8 46,1654,86

dns-rat:lv1 1 µmol/L CNREA8 46,1654,86

ipr-rat LD50:370 mg/kg CNREA8 34,2274,74

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

DPQ400 CAS: 17400-65-6 HR: 2
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-7-METHYLQUINOLINE

mf: C₁₈H₁₈N₄ mw: 290.40

SYNS: N,N-DIMETHYL-4-(5'-(7'-METHYLQUINOLYL)AZO)ANILINE □ 7'-METHYL-5'-(p-DIMETHYLAMINOPHENYLAZO)QUINOLINE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:540 mg/kg/30D-C:CAR JNCIAM 40,891,68

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

DPQ600 CAS: 17416-18-1 HR: 2
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
QUINALDINEmf: C₁₈H₁₈N₄ mw: 290.40**SYN:** 2'-METHYL-5'-(p-DIMETHYLAMINOPHENYL)AZO)QUINOLINE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:540 mg/kg/30D-C:CAR JNCIAM 40,891,68

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x.**DPQ800 CAS: 17416-17-0 HR: 2**
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
QUINOLINEmf: C₁₇H₁₆N₄ mw: 276.37**SYNS:** N,N-DIMETHYL-p-(5'-QUINOLYL)AZO)ANILINE □ N,N-DIMETHYL-4-(5'-QUINOLYL)AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DPR000 CAS: 30041-69-1 HR: 2**
6-((p-(DIMETHYLAMINO)PHENYL)AZO)-
QUINOLINEmf: C₁₇H₁₆N₄ mw: 276.37**SYNS:** N,N-DIMETHYL-4-(6'-QUINOLYL)AZO)ANILINE □ QUINOLINE-6-AZO-p-DIMETHYLANILINE**TOXICITY DATA with REFERENCE:**

dns-rat-orl 40 mg/kg CALEDQ 27,115,85

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.**DPR200 CAS: 22750-85-2 HR: 2**
5-((p-(DIMETHYLAMINO)PHENYL)AZO)-
QUINOLINE-1-OXIDEmf: C₁₇H₁₆N₄O mw: 292.37**SYN:** N,N-DIMETHYL-4-((5'-QUINOLYL-1'-OXIDE)AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DPR400 CAS: 22750-86-3 HR: 2**
6-((p-(DIMETHYLAMINO)PHENYL)AZO)-
QUINOLINE-1-OXIDEmf: C₁₇H₁₆N₄O mw: 292.37**SYN:** N,N'-DIMETHYL-4-((6'-QUINOLYL-1'-OXIDE)AZO)ANILINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**DPS200 CAS: 24220-18-6 HR: 3**
2-(p-DIMETHYLAMINOPHENYL)-1,6-DIMETHYL-
QUINOLINIUM CHLORIDEmf: C₁₉H₂₁N₂•Cl mw: 312.87**TOXICITY DATA with REFERENCE:**

orl-mus LD50:50 mg/kg JMCAR 13,122,70

ipr-mus LD50:10 mg/kg JMCAR 13,122,70

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**DPS600 CAS: 2150-58-5 HR: 3**
4-(p-DIMETHYLAMINOPHENYL)IMINO-2,5-
CYCLOHEXADIENE-1-ONEmf: C₁₄H₁₄N₂O mw: 226.30**PROP:** A solid. Mp: 133–134°. Sol in water.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:80 mg/kg JMCAR 21,11,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**DPS700 CAS: 102504-71-2 HR: 3**
4-DIMETHYLAMINOPHENYL-2-((4-PHENYL-
1,2,5,6-TETRAHYDRO-1-PYRIDYL)ETHYL)
KETONEmf: C₂₂H₂₆N₂O mw: 334.50**SYNS:** 4'-(DIMETHYLAMINO)-3-(4-PHENYL-1,2,5,6-TETRAHYDRO-1-PYRIDYL)PROPIOPHENONE □ PROPIOPHENONE, 4'-(DIMETHYLAMINO)-3-(4-PHENYL-1,2,3,6-TETRAHYDRO-1-PYRIDYL)-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:42 mg/kg CSLNX* NX#11073

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**DPT200 CAS: 16032-41-0 HR: 2**
2-(4-DIMETHYLAMINOPHENYL)QUINOLINEmf: C₁₇H₁₆N₂ mw: 248.35**SYN:** 2-(p-(DIMETHYLAMINO)PHENYL)QUINOLINE**TOXICITY DATA with REFERENCE:**

skn-mam 20 µg SEV JACSAT 72,2181,50

SAFETY PROFILE: A severe skin irritant. When heated to decomposition it emits toxic fumes of NO_x.**DPT300 CAS: 24955-83-7 HR: 3**
5-DIMETHYLAMINO-3-PIPERIDINOACETY-
LINDOLEmf: C₁₃H₁₆N₂O mw: 216.31**SYNS:** INDOLE, 5-(DIMETHYLAMINO)-3-(PIPERIDINO-ACETYL)- □ 3-(3-DIMETHYLAMINOPROPIONYL)-INDOLE □ 1-PROPANONE, 3-(DIMETHYLAMINO)-1-(1H-INDOL-3-YL)- □ 1-PROPANONE, 3-(DIMETHYLAMINO)-1-INDOL-3-YL-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX* NX#01093

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**DPT800 CAS: 108-16-7 HR: 3**
1,1-DIMETHYLAMINOPROPANOL-2mf: C₅H₁₄N₂O mw: 118.21

PROP: A liquid. Fp: $<-20^{\circ}$, bp: $122.5-126.2^{\circ}$, flash p: 90°F , d: 0.850 @ $25^{\circ}/25^{\circ}$, vap d: 3.52.

SYNS: 1,1-DIMETHYLAMINOPROPAN-2-OL \square DIMETHYL(2-HYDROXYPROPYL)AMINE \square DIMETHYLISOPROPANOL-AMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H MLD AMIHBC 10,61,54
skn-rbt 500 mg MOD FCTOD7 20 563,82
eye-rbt 250 μg SEV AMIHBC 10,61,54
eye-rbt 100 mg/4S rns SEV FCTOD7 20,573,82
orl-rat LD50:1890 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin and severe eye irritant. Used in boiler water condensate corrosion control. Dangerous fire hazard when exposed to heat or flame. Can react vigorously with oxidizers. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

DPU000 CAS: 1738-25-6 HR: 3
3-(DIMETHYLAMINO)PROPIONITRILE

mf: $\text{C}_5\text{H}_{10}\text{N}_2$ mw: 98.17

PROP: Liquid. Mp: -43° , bp: 170° , d: 0.8617, vap d: 3.35, flash p: 145°F .

SYN: β -DIMETHYLAMINOPROPIONITRILE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,923,86
eye-rbt 20 mg/24H MOD 85JCAE -,923,86
orl-rat LD50:2600 mg/kg DCTODJ 2,223,79
ivn-mus LD50:180 mg/kg CSLNX* NX#00201
skn-rbt LD50:1410 mg/kg AIHAAP 23,95,62

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

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and skin contact. A skin and eye irritant. Flammable liquid when exposed to heat, flame, or oxidizers; can react with oxidizing materials. To fight fire, use foam, CO_2 , dry chemical. When heated to decomposition it emits highly toxic fumes of NO_x and CN^- . See also NITRILES.

DPU400 CAS: 879-72-1 HR: 3
3-(DIMETHYLAMINO)PROIOPHENONE
HYDROCHLORIDE

mf: $\text{C}_{11}\text{H}_{15}\text{NO}\cdot\text{ClH}$ mw: 213.73

SYN: β -DIMETHYLAMINOPROIOPHENONE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:200 mg/kg FATOAO 25,437,62
orl-mus LD50:100 mg/kg AITEAT 15,249,67
ipr-mus LD50:70 mg/kg AITEAT 15,249,67
scu-mus LD50:223 mg/kg PCJOAU 24,833,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

DPW600 CAS: 102571-36-8 HR: 3

1-(3-(DIMETHYLAMINO)PROPOXY)ADAMANT-ANE ETHYL IODIDE

mf: $\text{C}_{17}\text{H}_{32}\text{NO}\cdot\text{I}$ mw: 393.40

SYN: (2-(1-ADAMANTYLOXY)PROPYL)DIMETHYLETHYL-AMMONIUM IODIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg FRPSAX 32,129,77
ipr-mus LD50:100 mg/kg FRPSAX 32,129,77

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of I^- , NH_3 , and NO_x . See also IODIDES.

DPU800 CAS: 15083-53-1 HR: 3
5-(3-(DIMETHYLAMINO)PROPOXY)-3-METHYL-1-PHENYLPYRAZOLE

mf: $\text{C}_{15}\text{H}_{21}\text{N}_3\text{O}$ mw: 259.39

SYN: P-329

TOXICITY DATA with REFERENCE:

orl-mus LD50:636 mg/kg ARZNAD 17,214,67
scu-mus LD50:350 mg/kg ARZNAD 17,214,67

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

DPW600 CAS: 303-54-8 HR: 3
5-(3-(DIMETHYLAMINO)PROPYL)-5H-DIBENZ(b,f)AZEPINE

mf: $\text{C}_{19}\text{H}_{22}\text{N}_2$ mw: 278.43

PROP: Orange-red oil. Bp: $160-170^{\circ}$ @ 0.4 mm.

TOXICITY DATA with REFERENCE:

ivn-rat LD50:23 mg/kg AIPTAK 120,450,59
ivn-mus LD50:41 mg/kg AIPTAK 120,450,59
ivn-rbt LD50:6 mg/kg AIPTAK 120,450,59

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

DPW610 CAS: 296269-50-6 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-5-(1,1-DIMETHYLETHYL)-1-PHENYL-1H-PYRAZOLE-4-METHANOL

mf: $\text{C}_{19}\text{H}_{29}\text{N}_3\text{O}$ mw: 315.46

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 .

DPW630 CAS: 296269-51-7 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-1,5-DIPHENYL-1H-PYRAZOLE-4-METHANOL

mf: $\text{C}_{21}\text{H}_{25}\text{N}_3\text{O}$ mw: 335.45

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 .

DPW650 CAS: 296269-47-1 HR: 3
 α -(3-(DIMETHYLAMINO)PROPYL)-5-ETHYL-1-PHENYL-1H-PYRAZOLE-4-METHANOL

mf: $\text{C}_{17}\text{H}_{25}\text{N}_3\text{O}$ mw: 287.40

1392 DPX200 5-(3-(DIMETHYLAMINO)PROPYL)-6,7,8,9,10,11-

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.**DPX200 CAS: 5560-72-5 HR: 3
5-(3-(DIMETHYLAMINO)PROPYL)-6,7,8,9,10,11-
HEXAHYDRO-5H-CYCLOOCT(b)INDOLE**mf: C₁₉H₂₈N₂ mw: 284.49**SYNS:** GALATUR □ IPRINDOLE □ PRAMINDOLE □
PRONDOL □ WY-3263**TOXICITY DATA with REFERENCE:**

orl-rat LD50:484 mg/kg TXAPA9 18,185,71

ipr-rat LD50:187 mg/kg 27ZQAG -,130,72

orl-mus LD50:759 mg/kg FRPPAO 25,519,70

ipr-mus LD50:195 mg/kg 27ZQAG -,130,72

ivn-mus LD50:32 mg/kg CSLNX* NX#01206

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**DPX400 CAS: 303-70-8 HR: 3
5-(3-(DIMETHYLAMINO)PROPYL)-2-HYDROXY-
10,11-DIHYDRO-5H-DIBENZ(b,f)AZEPINE**mf: C₁₉H₂₄N₂O mw: 296.45**SYNS:** GP 33679 □ 2-HYDROXYINIPRAMINE**TOXICITY DATA with REFERENCE:**scu-rat TDLo:300 mg/kg (female 8-12D post):TER
ARZNAD 19,1617,69

orl-rat LD50:2980 mg/kg ARZNAD 19,1617,69

ivn-rat LD50:19 mg/kg ARZNAD 19,1617,69

orl-mus LD50:733 mg/kg ARZNAD 19,1617,69

ivn-mus LD50:29 mg/kg ARZNAD 19,1617,69

ivn-rbt LD50:12,500 µg/kg ARZNAD 19,1617,69

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Experimental teratogenic effects. When heated to decomposition it emits toxic fumes of NO_x.**DPX800 CAS: 6202-23-9 HR: 3
5-(3-(DIMETHYLAMINOPROPYLIDENE)-5H-
DIBENZO(a,d)CYCLOHEPTENE
HYDROCHLORIDE**mf: C₂₀H₂₁N•ClH mw: 311.88**PROP:** A solid. Mp: 216–218°.**SYNS:** CYCLOBENZAPRINE HYDROCHLORIDE □ 3-(5H-
DIBENZO(a,d)CYCLOHEPTEN-5-YLIDENE)-N,N-DIMETHYL-1-
PROPANAMINE HYDROCHLORIDE □ N,N-DIMETHYL-5H-
DIBENZO(a,d)CYCLOHEPTENE-Δ^{5,7}-PROPYLAMINE
HYDROCHLORIDE □ FLEXERIL □ FLEXIBAN □
PROHEPTATRIENE HYDROCHLORIDE □ PROHEPTATRIEN
MONOHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-man TDLo:5714 µg/kg/2D-I:BAH JCLPDE 54,39,93

orl-wmn TDLo:1 mg/kg/3D-I:BAH JCLPDE 54,39,93

orl-wmn TDLo:12 mg/kg:BAH JTCTDW 20,281,83

orl-wmn TDLo:8400 µg/kg/2W-I:BAH JCLPDE
44,151,83

orl-mus LD50:250 mg/kg 27ZQAG -,87,72

ivn-mus LD50:36 mg/kg AIPTAK 144,481,63

SAFETY PROFILE: Poison by ingestion and intravenous routes. Human systemic effects: distorted perceptions, euphoria, general anesthetic, hallucinations, pulse rate increase, somnolence, wakefulness. A muscle relaxant. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DPY200 CAS: 897-15-4 HR: 3
11-(3-(DIMETHYLAMINOPROPYLIDENE)-6,11-
DIHYDRODIBENZO(b,e)THIEPINE
HYDROCHLORIDE**mf: C₁₉H₂₁NS•ClH mw: 331.93**SYNS:** 3-DIBENZO(b,e)THIEPIN-11(6H)-YLIDENE-N,N-
DIMETHYL-1-PROPANAMINE, HYDROCHLORIDE □ N,N-
DIMETHYLDIBENZO(b,e)THIEPIN-Δ^{11(6H),7}-PROPYLAMINE
HYDROCHLORIDE □ DOSULEPIN CHLORIDE □ DOSULEPIN
HYDROCHLORIDE □ DOTHEIPIN HYDROCHLORIDE □
PROTHIADENE HYDROCHLORIDE □ PROTHIADEN
HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**orl-rat TDLo:440 mg/kg (MGN):REP OYAA2
27,1103,84

orl-wmn LDLo:40 mg/kg PGMJAO 60,442,84

orl-cld TDLo:90 mg/kg:CVS PGMJAO 60,442,84

orl-rat LD50:260 mg/kg 27ZQAG -,88,72

ipr-rat LD50:105 mg/kg IYKEDH 14,192,83

scu-rat LD50:760 mg/kg 27ZQAG -,88,72

ivn-rat LD50:24 mg/kg 27ZQAG -,88,72

orl-mus LD50:209 mg/kg 27ZQAG -,88,72

ipr-mus LD50:116 mg/kg IYKEDH 14,192,83

scu-mus LD50:620 mg/kg IYKEDH 14,192,83

ivn-mus LD50:29,200 µg/kg IYKEDH 14,192,83

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by subcutaneous route. Human systemic effects by ingestion: cardiomyopathy. Experimental teratogenic and reproductive effects. An antidepressant. When heated to decomposition it emits very toxic fumes of NO_x, SO_x and HCl.**DPY600 CAS: 51003-81-7 HR: 3
5-DIMETHYLAMINO-6-PROPYL-5H-INDENO(5,6-
d)-1,3-DIOXOLE HYDROCHLORIDE**mf: C₁₅H₁₉NO₂•ClH mw: 281.81**SYNS:** pr-MDI □ 2-PROPYL-3-DIMETHYLAMINO-5,6-
METHYLENEDIOXYINDENE HYDROCHLORIDE □ 2-N-
PROPYL-3-DIMETHYLAMINO-5,6-METHYLENEDIOXYINDENE
HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:175 mg/kg RCOCB8 26,85,79

ipr-mus LD50:185 mg/kg RCOCB8 26,85,79

ivn-mus LD50:40 mg/kg RCOCB8 26,85,79

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**DPY700 CAS: 296269-49-3 HR: 3
α-(3-(DIMETHYLAMINO)PROPYL)-5-(1-METHYL-
ETHYL)-1-PHENYL-1H-PYRAZOLE-4-
METHANOL**mf: C₁₈H₂₇N₃O mw: 301.43**TOXICITY DATA with REFERENCE:**