

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

MIY500 CAS: 63041-83-8 HR: 2
2-METHYLDIBENZ(a,h)ANTHRACENE

mf: C₂₃H₁₆ mw: 292.39

SYN: 2'-METHYL-1:2:5:6-DIBENZANTHRACENE

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

MIY750 CAS: 63041-84-9 HR: 2
3-METHYLDIBENZ(a,h)ANTHRACENE

mf: C₂₃H₁₆ mw: 292.39

SYN: 3'-METHYL-1:2:5:6-DIBENZANTHRACENE

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

MIZ000 CAS: 63041-85-0 HR: 2
4-METHYL-1,2,5,6-DIBENZANTHRACENE

mf: C₂₃H₁₆ mw: 292.39

SYN: 6-METHYL DIBENZ(a,h)ANTHRACENE

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

MJA000 CAS: 17278-93-2 HR: 2
10-METHYLDIBENZ(a,c)ANTHRACENE

mf: C₂₃H₁₆ mw: 292.39

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

MJA250 CAS: 27093-62-5 HR: 2
N-METHYL-3:4:5:6-DIBENZCARBAZOLE

mf: C₂₁H₁₅N mw: 281.37

SYN: N-METHYL-7H-DIBENZO(c,g)CARBAZOLE

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate MUREAV 198,15,88

add-hmn:fbr 2800 nmol/L CNREA8 46,4706,86

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

MJA500 CAS: 33942-87-9 HR: 2
5-METHYL-DIBENZO(b,def)CHRYSENE

mf: C₂₅H₁₆ mw: 316.41

SYN: 5-METHYL-3,4:8,9-DIBENZOPYRENE (FRENCH)

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

MJA750 CAS: 2869-12-7 HR: 2
7-METHYLDIBENZO(h,rst)PENTAPHENE

mf: C₂₉H₁₈ mw: 366.47

SYN: 2'-METHYL-1,2:4,5:8,9-TRIBENZOPYRENE

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

MJB000 CAS: 2869-60-5 HR: 2
5-METHYL-1,2,3,4-DIBENZOPYRENE

mf: C₂₅H₁₆ mw: 316.41

SYN: 10-METHYLDIBENZO(def,p)CHRYSENE

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

MJB250 CAS: 63041-95-2 HR: 2
7-METHYL-1:2:3:4-DIBENZPYRENE

mf: C₂₅H₁₆ mw: 316.41

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

MJB300 CAS: 23777-55-1 HR: 3
METHYLDIBORANE

mf: CH₃B₂ mw: 41.69

PROP: Air and moisture-sensitive gas; unstable towards disproportionation. Sol in ethers.

SAFETY PROFILE: Ignites spontaneously and then explodes in air. See also BORANES and BORON COMPOUNDS.

MJB500 CAS: 3005-27-4 HR: 2
N-METHYL-DIBROMOMALEINIMIDE

mf: C₅H₃Br₂NO₂ mw: 268.91

TOXICITY DATA with REFERENCE:

ipr-mus LD50:624 mg/kg ARTODN 37,15,76

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

MJB550 CAS: 122587-22-8 HR: D
METHYL 3,4-DICHLORO-5-NITRO-2-FUROATE

mf: C₆H₃Cl₂NO₅ mw: 240.00

SYNS: 2-FURANCARBOXYLIC ACID, 3,4-DICHLORO-5-NITRO-, METHYL ESTER □ METHYL 3,4-DICHLORO-5-NITRO-2-FURANCARBOXYLATE

TOXICITY DATA with REFERENCE:

mic-sat 2 µLg/plate EMMUEG 25,58,1995

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

MJB600 CAS: 42576-02-3 HR: 1
METHYL 5-(2,4-DICHLOROPHENOXY)-2-NITROBENZOATE

mf: C₁₄H₉Cl₂NO₅ mw: 342.14

SYNS: BENZOIC ACID, 5-(2,4-DICHLOROPHENOXY)-2-NITRO-, METHYL ESTER □ BIFENOX □ 5-(2,4-DICHLOROPHENOXY)-2-NITROBENZOIC ACID METHYL ESTER □ MC-4379 □ MODOWN

TOXICITY DATA with REFERENCE:

ori-rat LD50:6400 mg/kg 85AREA 2,15,77

ihl-rat LC50:>200 g/m³ DOVEAA 37,3,83

orl-mus LD50:4556 mg/kg PEMNDP 9,71,91

skn-rbt LD50:>20 g/kg DOVEAA 37,3,83

SAFETY PROFILE: Low toxicity by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

MJC750 CAS: 7560-83-0 HR: 2
N-METHYLDICYCLOHEXYLAMINE

mf: C₁₃H₂₅N mw: 195.39

TOXICITY DATA with REFERENCE:

orl-rat LD50:446 mg/kg 34ZIAG -,388,69

skn-rbt LDLo:2 g/kg 34ZIAG -,388,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

MJC775 CAS: 4269-88-9 HR: 3
N-METHYL-N-(β-DICYCLOHEXYLAMINO-ETHYL)PIPERIDINE BROMIDE

mf: C₂₀H₃₉N₂•Br mw: 387.52

SYNS: 1-(2-(DICYCLOHEXYLAMINO)ETHYL)-1-METHYL-PIPERIDINIUM BROMIDE □ N-METIL-N-(β-DICICLO-ESILAMINOETIL)PIPERIDINIO BROMURO (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg FRPSAX 15,821,60

ivn-rat LD50:30 mg/kg FRPSAX 15,821,60

ims-rat LD50:100 mg/kg FRPSAX 15,821,60

ipr-rat LD50:120 mg/kg FRPSAX 15,821,60

orl-mus LD50:1008 mg/kg FRPSAX 16,773,61

ipr-mus LD50:120 mg/kg FRPSAX 18,3,63

scu-mus LD50:160 mg/kg FRPSAX 15,821,60

ipr-gpg LD50:100 mg/kg FRPSAX 15,821,60

ims-gpg LD50:100 mg/kg FRPSAX 15,821,60

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

MJD000 CAS: 63041-05-4 HR: 2
METHYL DIEPOXYDIALYLACETATE

mf: C₉H₁₄O₄ mw: 186.23

SYN: 4,5-EPOXY-2-(2,3-EPOXYPROPYL)VALERIC ACID, METHYL ESTER

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

MJD100 CAS: 4526-20-9 HR: 3
METHYL (DIETHOXYPHOSPHINYL)ACETATE

mf: C₆H₁₃O₅P mw: 196.16

SYNS: ACETIC ACID, ANHYDRIDE WITH DIETHYL PHOSPHATE □ O,O-DIETHYL-O-ACETYL PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2 mg/kg BOCKAF 26,4,1961

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

MJD200 CAS: 53206-92-1 HR: 3
METHYL 3-(3-(DIETHYLAMINO)PROPYL-CARBAMOYLMETHOXY)-p-CYMENE-2-CARBOXYLATE

mf: C₂₁H₃₄N₂O₄ mw: 378.57

SYN: p-CYMENE-2-CARBOXYLIC ACID, 3-(3-(DIETHYLAMINO)-PROPYLCARBAMOYLMETHOXY)-, METHYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:38 mg/kg EJMCA5 9,156,1974

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

MJD300 CAS: 21988-58-9 HR: 3
o-METHYL S-(o',o'-DIETHYLPHOSPHOR-AMIDO)ETHYL PHOSPHOROMORPHOLINO-THIOATE

mf: C₁₁H₂₆N₂O₆P₂S mw: 376.39

SYN: PHOSPHOROMORPHOLINOTHIOIC ACID, o-METHYL S-(o',o'-DIETHYLPHOSPHORAMIDO)ETHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:19 mg/kg CHDDAT 268,2150,1969

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

MJD400 CAS: 69116-71-8 HR: 1
METHYL 2,2-DIFLUOROMALONYL FLUORIDE

mf: C₄H₃F₃O₃ mw: 156.07

SYNS: METHYL 2-(FLUOROFORMYL)DIFLUOROACETATE □ METHYL 2,2,3-TRIFLUORO-3-OXOPROPANOATE □ PROPAN-OIC ACID, 2,2,3-TRIFLUORO-3-OXO-, METHYL ESTER

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:560 mg/m³/4H DCTODJ 11,215,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of F⁻.

MJD275 CAS: 676-99-3 HR: 3
METHYL DIFLUOROPHOSPHITE

mf: CH₃F₂OP mw: 100.01

PROP: A liquid. D: 1.33 @ 20°/4°, bp: 98°.

SYNS: DIFLUORO □ DIFLUOROMETHYLPHOSPHINE OXIDE

□ METHYLPHOSPHONIC DIFLUORIDE □ METHYLPHOS-PHONYLDIFLUORIDE

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:1842 mg/m³/30M TXAPA9 15,131,69

ivn-rat LD50:13,700 µg/kg IAEC** 17JUN74

ihl-mus LCLo:1842 mg/m³/30M TXAPA9 15,131,69

ivn-mus LD50:114 mg/kg IAEC** 17JUN74

ihl-dog LCLo:1842 mg/m³/30M TXAPA9 15,131,69

ivn-dog LD50:25,800 µg/kg IAEC** 17JUN74

ihl-mky LCLo:2608 mg/m³/30M TXAPA9 15,131,69

ivn-mky LD50:26,900 µg/kg IAEC** 17JUN74

ihl-gpg LCLo:1600 mg/m³ TOXID9 4,22,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by inhalation and intravenous routes. When heated to decomposition it emits toxic fumes of PO_x and F⁻. See also FLUORIDES.

MJD300 CAS: 30685-43-9 HR: 3
 β -METHYLDIGOXINmf: $C_{42}H_{66}O_{14}$ mw: 795.08**PROP:** Crystals. Mp: 227–231°.**SYNS:** BETA METHYL DIGOXIN \square LANIRAPID \square LANITOP \square MEDIGOXIN \square METHYLDIGOXIN \square 4"-METHYLDIGOXIN \square 4"- β -METHYLDIGOXIN \square 4"- α -METHYLDIGOXIN \square METILDIGOXIN \square METILDIGOXINA (SPANISH) \square 3 β ,12 β ,14 β -TRIHYDROXY-5- β -CARD-20(22)-ENOLIDE-3-(4")- α -(METHYL-TRIDIGITOXOSIDE)**TOXICITY DATA with REFERENCE:**

ivn-man LDLo:160 μ g/kg	ARZNAD 34,769,84
orl-rat LD50:8300 μ g/kg	ARZNAD 21,231,71
ipr-rat LD50:6200 μ g/kg	ARZNAD 21,231,71
scu-rat LD50:5930 μ g/kg	YKYUA6 31,1127,80
ivn-rat LD50:4800 μ g/kg	ARZNAD 21,231,71
orl-mus LD50:7800 μ g/kg	ARZNAD 21,231,71
ipr-mus LD50:4800 μ g/kg	ARZNAD 21,231,71
scu-mus LD50:9390 μ g/kg	NIIRDN 6,828,82
ivn-mus LD50:4900 μ g/kg	ARZNAD 21,231,71
ivn-cat LDLo:190 μ g/kg	ARZNAD 28,495,78
orl-gpg LD50:2100 μ g/kg	OYYAA2 7,373,73
ipr-gpg LD50:800 μ g/kg	OYYAA2 7,373,73
ivn-gpg LDLo:653 μ g/kg	ARZNAD 28,495,78

SAFETY PROFILE: A deadly poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. A cardiotonic agent. When heated to decomposition it emits acrid smoke and irritating fumes.**MJD500 HR: 3**
4"- α -METHYLDIGOXIN ACETONE (2:1)mf: $C_{42}H_{66}O_{14} \cdot 1/2 C_3H_6O$ mw: 824.12**SYNS:** METILDIGOXIN \square 3- β ,12- β ,14- β -TRIHYDROXY-5- β -CARD-20(22)-ENOLIDE-3-(R"-O-METHYL-TRIDIGITOXOSIDE), ACETONE (2:1)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:13,060 μ g/kg	IYKEDH 10,710,79
scu-rat LD50:5930 μ g/kg	IYKEDH 10,710,79
ivn-rat LD50:5450 μ g/kg	IYKEDH 10,710,79
orl-mus LD50:11,100 μ g/kg	YKYUA6 30,1393,79
ivn-mus LD50:5780 μ g/kg	TOIZAG 23,198,76
scu-mus LD50:9390 μ g/kg	TOIZAG 23,198,76
orl-gpg LD50:1800 μ g/kg	IYKEDH 10,710,79
ipr-gpg LD50:650 μ g/kg	IYKEDH 10,710,79

SAFETY PROFILE: A deadly poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits acrid smoke and irritating fumes.**MJD600 CAS: 68688-86-8 HR: D**
trans-3-METHYL-7,8-DIHYDROCHOLANTHRENE-7,8-DIOLmf: $C_{21}H_{18}O_2$ mw: 302.39**SYN:** trans-7,8-DIHYDRO-7,8-DIHYDROXY-3-METHYLCHOL-ANTHRENE**TOXICITY DATA with REFERENCE:**

mma-sat 10 μ mol/L	BBRCA9 85,1568,78
sce-ham:ovr 500 μ g/L	CALEDQ 7,45,79

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MJD610 CAS: 68688-87-9 HR: 2**
trans-3-METHYL-9,10-DIHYDROCHOL-ANTHRENE-9,10-DIOLmf: $C_{21}H_{18}O_2$ mw: 302.39**SYN:** trans-9,10-DIHYDRO-9,10-DIHYDROXY-3-METHYLCHOL-ANTHRENE**TOXICITY DATA with REFERENCE:**

mma-sat 10 μ mol/L	BBRCA9 85,1568,78
otr-mus:fbr 250 μ g/L	BBRCA9 85,1568,78
sce-ham:ovr 500 μ g/L	CALEDQ 7,45,79
msc-ham:lng 2 mg/L	BBRCA9 85,1568,78

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MJD750 CAS: 24684-41-1 HR: 2**
11-METHYL-15,16-DIHYDRO-17H-CYCLO-PENTA(a)PHENANTHRENEmf: $C_{18}H_{16}$ mw: 232.34**PROP:** Crystals from acetic acid. Mp: 126–127°.**SYN:** 16,17-DIHYDRO-11-METHYL-15H-CYCLOPENTA(a)-PHENANTHRENE**TOXICITY DATA with REFERENCE:**

mma-sat 20 ng/plate	CNREA8 36,4525,76
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SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MJE250 CAS: 37795-71-4 HR: 3**
3-METHYL-2,3-DIHYDRO-9H-ISOXAZOLO(3,2-b)QUINAZOLIN-9-ONEmf: $C_{11}H_{10}N_2O_2$ mw: 202.23**SYN:** W 2451**TOXICITY DATA with REFERENCE:**

orl-rat LD50:765 mg/kg	DRFUD4 2,553,77
ipr-rat LD50:670 mg/kg	DRFUD4 2,553,77
ivn-rat LD50:290 mg/kg	DRFUD4 2,553,77
orl-mus LD50:860 mg/kg	DRFUD4 2,553,77
ipr-mus LD50:600 mg/kg	TXAPA9 37,164,76
ivn-mus LD50:243 mg/kg	DRFUD4 2,553,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x .**MJE500 CAS: 892-17-1 HR: 3**
11-METHYL-15,16-DIHYDRO-17H-OXOCYCLOPENTA(a)PHENANTHRENEmf: $C_{18}H_{14}O$ mw: 246.32**SYNS:** 15,16-DIHYDRO-11-METHYLCYCLOPENTA(a)-PHENANTHREN-17-ONE \square 15,16-DIHYDRO-11-METHYL-17H-CYCLOPENTA(a)PHENANTHREN-17-ONE \square 11-METHYL-15,16-DIHYDRO-17H-CYCLOPENTA(a)PHENANTHREN-17-ONE**TOXICITY DATA with REFERENCE:**

mma-sat 1 μ g/plate	CNREA8 40,882,80
dnd-mus-ims 120 mg/kg	CNREA8 41,4115,81
dnd-mus:oth 10 μ g/L	CNREA8 43,2261,83
orl-rat TDLo:150 mg/kg;CAR	BJCAA1 40,914,79

skn-mus TD:46 mg/kg/19W-I:NEO CNREA8 33,832,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

**MJE750 CAS: 27156-32-7 HR: 2
METHYLDIHYDROPYRAN**

mf: C₆H₁₀O mw: 98.16

SYN: 3,4-DIHYDROMETHYL-2H-PYRAN

TOXICITY DATA with REFERENCE:

orl-mus LD50:1950 mg/kg GTPZAB 15,49,71

ihl-mus LC50:6500 mg/m³/2H 85GMAT -,82,82

scu-mus LD50:1250 mg/kg GTPZAB 15,49,71

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

**MJE760 CAS: 521-11-9 HR: 2
17- α -METHYLDIHYDROTESTOSTERONE**

mf: C₂₀H₃₂O₂ mw: 304.52

PROP: Crystals. Mp: 192–193°. Sol in water, acetone, alc, ether, and ethyl acetate.

SYNS: ANDROSTALONE □ 5- α -ANDROSTANE-17- α -METHYL-17- β -OL-3-ONE □ ANDROSTAN-3-ONE, 17-HYDROXY-17-METHYL-, (5- α -17- β)-(9CI) □ ASSIMIL □ ERMALONE □ 17- β -HYDROXY-17-METHYL-5- α -ANDROSTAN-3-ONE □ MESANOLON □ MESTALONE □ MESTANOLONE □ METHYBOL □ METHYLANTALON □ METHYLDIHYDROTESTOSTERONE □ PREROIDE □ TANTARONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1240 mg/kg DRUGAY 6,817,82

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits acrid smoke and irritating fumes.

**MJE775 CAS: 59122-46-2 HR: 3
METHYL (±)-11- α -16-DIHYDROXY-16-METHYL-9-OXOPROST-13-EN-1-OATE**

mf: C₂₂H₃₈O₅ mw: 382.60

SYNS: CYTOTEC □ (11- α -13E)-(±)-11,16-DIHYDROXY-16-METHYL-9-OXOPROST-13-EN-1-OIC ACID METHYL ESTER □ MISOPROSTOL □ PROST-13-EN-1-OIC ACID, 11,16-DIHYDROXY-16-METHYL-9-EXO-, METHYL ESTER, (11- α -13E)-(±)- □ SC-29333

TOXICITY DATA with REFERENCE:

orl-rat LD50:81 mg/kg JZKEDZ 11,33,85

ipr-rat LD50:40 mg/kg DDSCDJ 30,142S,85

ims-rat LD50:19 mg/kg JZKEDZ 11,33,85

orl-mus LD50:27 mg/kg DDSCDJ 30,142S,85

ipr-mus LD50:70 mg/kg DDSCDJ 30,142S,85

ims-mus LD50:16 mg/kg JZKEDZ 11,33,85

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

MJE780 CAS: 41372-08-1 HR: 2

α -METHYL-L-3,4-DIHYDROXYPHENYLALANINE

mf: C₁₀H₁₃NO₄•3/2H₂O mw: 238.27

PROP: Crystals from H₂O; crystals from H₂SO₃; powder (anhyd). Mp: 306–307° (decomp). Sltly sol in H₂O; prac insol in most org solvs.

SYNS: ALDOMET □ ALDOMETIL □ ALDOMIN □ AMD □ BAYER 1440 L □ BAYPRESOL □ DOPAMET □ DOPATEC □ DOPEGYT □ HYPERPAX □ METHYL DOPA SESQUIHYDRATE □ MEDOMET □ α -MEDOPA □ MEDOPREN □ METHOPLAIN □ α -METHYL-L-3,4-DIHYDROXYPHENYLALANINE □ MK.B51 □ MK-351 □ PRESINOL □ PRESOLISIN □ SEDOMETIL □ SEMBRINA

TOXICITY DATA with REFERENCE:

orl-rat TDLo:17,500 mg/kg/14D-C: REP,CAR NTPTR* NTP-TR-348,89

CONSENSUS REPORTS: NTP Carcinogenesis

Studies (feed): Equivocal Evidence, mouse NTPTR*

NTP-TR-348,89; NTP Carcinogenesis Studies (feed): No Evidence, rat NTPTR* NTP-TR-348,89

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

**MJE790 CAS: 21988-57-8 HR: 3
o-METHYL S-(o',o'-DIISOPROPYLPHOSPHORAMIDO)ETHYLPHENYLPHOSPHONOTHIOATE**

mf: C₁₅H₂₇NO₅P₂S mw: 395.43

SYN: PHOSPHONOTHIOIC ACID, PHENYL-, o-METHYL S-(o',o'-DIISOPROPYLPHOSPHORAMIDO)ETHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:18 mg/kg CHDDAT 268,2150,1969

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

**MJE793 CAS: 1067-66-9 HR: 1
METHYL 3,3-DIMETHOXY-2-OXA-7,10-DIAZA-3-SILATRIDEKAN-13-OATE**

mf: C₁₂H₂₈N₂O₅Si mw: 308.51

SYNS: β -ALANINE, N-(2-(3-(TRIMETHOXYSILYL)PROPYL)AMINO)ETHYL-, METHYL ESTER □ A-1125 (SILANE) □ C 600 □ 2-OXA-7,10-DIAZA-3-SILATRIDEKAN-13-OIC ACID, 3,3-DIMETHOXY-, METHYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 μ L MOD NTIS** OTS0536156

SAFETY PROFILE: A moderate skin irritant. When heated to decomposition it emits toxic vapors of NO_x.

**MJE800 HR: 3
1-METHYL-2,6-DI-(p-METHOXYPHENETHYL)-PIPERIDINE ETHANESULFONATE**

mf: C₂₄H₃₃NO₂•C₂H₅O₃S mw: 476.71

SYN: 2,6-BIS(p-METHOXYPHENETHYL)-1-METHYL-PIPERIDINE ETHANESULFONATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:975 mg/kg JPETAB 87,73,46

scu-mus LD50:450 mg/kg JPETAB 87,73,46

ivn-mus LD50:17 mg/kg JPETAB 87,73,46

orl-rbt LD50:112 mg/kg JPETAB 87,73,46

scu-rbt LD50:17,500 μ g/kg JPETAB 87,73,46

ivn-rbt LD50:5 mg/kg JPETAB 87,73,46

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

**MJE900 CAS: 16881-77-9 HR: 3
METHYLDIMETHOXYSILANE**

mf: C₃H₁₀O₂Si mw: 106.22

SYNS: DIMETHOXYMETHYLSILANE □ SILANE, DIMETHOXYMETHYL-

TOXICITY DATA with REFERENCE:

eye-rbt 10 µL MOD TOXID9 11,144,1991
 orl-rat LD50:5600 µL/kg TOXID9 11,144,1991
 skn-rat LD50:>16 mL/kg TOXID9 11,144,1991
 scu-rat LD :>1500 µL/kg TOXID9 11,144,1991
 ivn-rat LDLo:250 µL/kg TOXID9 11,144,1991
 orl-rbt LD50:1780 µL/kg TOXID9 11,144,1991
 skn-rbt LD50:730 µL/kg TOXID9 11,144,1991
 ivn-rbt LDLo:125 µL/kg TOXID9 11,144,1991

SAFETY PROFILE: A poison by ingestion, subcutaneous, and intravenous routes. A moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**MJF000 CAS: 3732-90-9 HR: 2
3-METHYL-4-DIMETHYLAMINOAZOBENZENE**

mf: C₁₅H₁₇N₃ mw: 239.35

SYNS: N,N-DIMETHYL-4-(PHENYLAZO)-o-TOLUIDINE □ 3-METHYL-4-DAB

TOXICITY DATA with REFERENCE:

dni-rat:lvf 10 µmol/L CNREA8 45,337,85

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

**MJF250 CAS: 78128-83-3 HR: 3
3-METHYL-4-(N-(2-DIMETHYLAMINOETHYL)-N-PHENYLAMINO)-2(5H) FURANONE**

mf: C₁₅H₂₀N₂O₂ mw: 260.37

SYN: α-METHYL-β-(N-(2-DIMETHYLAMINOETHYL)-N-PHENYL)AMINO-Δ^{α,β}BUTENOLID

TOXICITY DATA with REFERENCE:

scu-mus LD50:50 mg/kg ARZNAD 11,277,61
 ivn-mus LD50:28 mg/kg ARZNAD 11,277,61

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

**MJF500 CAS: 17400-69-0 HR: 2
3'-METHYL-5'-(p-DIMETHYLAMINOPHENYL-AZO)QUINOLINE**

mf: C₁₈H₁₈N₄ mw: 290.40

SYNS: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-3-METHYLQUINOLINE □ N,N-DIMETHYL-4-(5-(3'-METHYLQUINOLYL)-AZO)ANILINE

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

MJF750 CAS: 17400-70-3 HR: 2

6'-METHYL-5'-(p-DIMETHYLAMINOPHENYL-AZO)QUINOLINE

mf: C₁₈H₁₈N₄ mw: 290.40

SYNS: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-6-METHYLQUINOLINE □ N,N-DIMETHYL-4-(5'-(6'-METHYLQUINOLYL)AZO)ANILINE

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

**MJG000 CAS: 17416-20-5 HR: 2
8'-METHYL-5'-(p-DIMETHYLAMINOPHENYL-AZO)QUINOLINE**

mf: C₁₈H₁₈N₄ mw: 290.40

SYNS: 5-((p-(DIMETHYLAMINO)PHENYL)AZO)-8-METHYLQUINOLINE □ N,N-DIMETHYL-4-(5'-(8'-METHYLQUINOLYL)AZO)ANILINE

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

**MJG100 CAS: 23314-84-3 HR: D
METHYL 3,11-DIMETHYL-7-ETHYL-10,11-EPOXY-2,6-TRIDECADIENOATE**

mf: C₁₈H₃₀O₃ mw: 294.48

SYNS: 2,6-NONADIENOIC ACID, 7-ETHYL-9-(3-ETHYL-3-METHYLOXIRANYL)-3-METHYL-, METHYL ESTER □ AY 22342 □ 3,11-DIMETHYL-10,11-EPOXY-7-ETHYL-2,6-TRIDECADIENOIC ACID METHYL ESTER □ JH 1 □ RO 6-9550 □ ROELLER COMPOUND □ 2,6-TRIDECADIENOIC ACID, 3,11-DIMETHYL-10,11-EPOXY-7-ETHYL-, METHYL ESTER

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.

**MJG500 CAS: 2275-23-2 HR: 3
N-METHYL-O,O-DIMETHYLTHIOLOPHOSPHORYL-5-THIA-3-METHYL-2-VALERAMIDE**

mf: C₈H₁₈NO₄PS₂ mw: 287.36

PROP: Oil. Sol in org solvs; insol in pet ether.

SYNS: AMERICAN CYANAMID-43073 □ O,O-DIMETHYL-S-2-(1-N-METHYLCARBAMOYLETHYL)MERCAPTO)ETHYL THIO-PHOSPHATE □ O,O-DIMETHYL-S-(2-(1-METHYLCARBAMOYLETHYLTHIO)ETHYL) PHOSPHOROTHIOATE □ DIMETHYL-S-(2-(1-METHYLCARBAMOYLETHYLTHIO ETHYL)) PHOSPHOROTHIOATE □ ENT 26,613 □ KILVAL □ N-METHYL-3-THIA-2-METHYL-VALERAMID DER O,O-DIMETHYLTHIOL-PHOSPHORSAEURE (GERMAN) □ NPH 83 □ TRUCIDOR □ VAMIDOATE □ VAMIDOTHION

TOXICITY DATA with REFERENCE:

mma-sat 25 pph MUREAV 40,19,76
 mma-esc 25 pph MUREAV 40,19,76
 orl-rat LD50:64 mg/kg 28ZEAL 5,233,76
 orl-mus LD50:40 mg/kg MZUZA8 8,65,72
 skn-mus LD50:1500 mg/kg GUHAZ 6,530,73
 orl-dog LD50:110 mg/kg GUHAZ 6,530,73
 skn-rbt LD50:160 mg/kg WRPCA2 9,119,70
 orl-gpg LD50:85 mg/kg GUHAZ 6,530,73

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and skin contact. Mutation data reported. When heated to

decomposition it emits very toxic fumes of PO_x, SO_x, and NO_x.

MJG600 CAS: 19406-51-0 HR: 2
4-METHYL-3,5-DINITROBENZENAMINE

mf: C₇H₇N₃O₄ mw: 197.17

SYNS: 4-AMINO-2,6-DINITROTOLUENE □ BENZENAMINE, 3,5-DINITRO-4-METHYL- □ 3,5-DINITRO-p-TOLUIDINE □ p-TOLUIDINE, 3,5-DINITRO-

TOXICITY DATA with REFERENCE:

mic-sat 10 µLg/plate ENMUDM 4,163,1982

slt-ham-ovr 30 ppm/5H JJATDK 20,441,2000

orl-rat LD50:959 mg/kg NTIS** AD-A080-146

orl-mus LD50:1318 mg/kg NTIS** AD-A080-146

SAFETY PROFILE: Moderately toxic by ingestion.

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

MJG750 CAS: 99-80-9 HR: 2
N-METHYL-N,p-DINITROSOANILINE

mf: C₇H₇N₃O₂ mw: 165.17.

PROP: Mp: 101°. Contains 30% N-methyl-N,p-dinitrosoaniline (JNCIAM 41,985,68).

SYNS: N,4-DINITROSO-N-METHYLANILINE □ ELASTOPAR □ ELASTOPAX □ HEAT PRE □ N-METHYL-N,4-DINITROSO-ANILINE □ N-METHYL-N,4-DINITROSOBENZENAMINE □ METHYL-(4-NITROSOPHENYL)NITROSAMINE □ N-NITROSO-N-METHYL-4-NITROSO-ANILINE □ NITROZAN K

TOXICITY DATA with REFERENCE:

mma-sat 5 µg/plate PCBRD2 141,407,84

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

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 1,141,72.

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

MJH000 CAS: 55556-94-0 HR: 2
2-METHYLDINITROSOPIPERAZINE

mf: C₅H₁₁N₄O₂ mw: 159.20

SYN: 2-METHYL-DNPZ

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate TCMUE9 1,13,84

mma-smc 50 µmol/plate MUREAV 77,143,80

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. See also N-NITROSO COMPOUNDS.

MJH250 CAS: 4386-79-2 HR: 3
((2-METHYL-1,3-DIOXALAN-4-YL)METHYL)-TRIMETHYLAMMONIUM IODIDE

mf: C₈H₁₈NO₂•I mw: 287.17

SYNS: ETHYL-γ-TRIMETHYLAMMONIUM PROPANEDIOL IODIDE □ FOURNEAU 2268 □ N,N,N,2-TETRAMETHYL-1,3-DIOXOLANE-4-METHANAMINIUM IODIDE (9CI) □ TRIMETHYL((2-METHYL-1,3-DIOXOLAN-4-YL)METHYL)AMMONIUM IODIDE (8CI)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:50 mg/kg JPETAB 93,287,48

scu-rat LD50:3 mg/kg BSCIA3 26,516,44

orl-mus LD50:5 mg/kg BSCIA3 26,516,44

scu-mus LD50:1200 µg/kg BSCIA3 26,516,44

ivn-mus LD50:100 µg/kg CSLNX* NX#01810

ivn-dog LDLo:1 µg/kg BSCIA3 26,516,44

scu-rbt LDLo:20 µg/kg BSCIA3 26,516,44

scu-gpg LDLo:75 µg/kg BSCIA3 26,516,44

SAFETY PROFILE: Poison by ingestion, intravenous, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NH₃, NO_x, and I⁻. See also IODIDES.

MJH500 CAS: 4722-68-3 HR: 3
2-METHYL-1,4-DIOXASPIRO(4.5)DECANE

mf: C₉H₁₆O₂ mw: 156.25

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:250 mg/kg CBCCT* 8,741,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJH750 CAS: 1331-09-5 HR: 2
METHYL DIOXOLANE

mf: C₅H₁₀O₂ mw: 102.15

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:3000 mg/kg JIHTAB 31,60,49

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

MJH775 CAS: 497-26-7 HR: 2
2-METHYL-1,3-DIOXOLANE

mf: C₄H₈O₂ mw: 88.12

PROP: Bp: 82–83°.

SYN: METHYLDIOXOLANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,797,86

eye-rbt 20 mg/24H MOD 85JCAE -,797,86

orl-rat LD50:2900 mg/kg GISAAA 47(8),89,82

ihl-rat LC50:80 g/m³ GISAAA 39(11),94,74

orl-mus LD50:3500 mg/kg GISAAA 39(11),94,74

ihl-mus LC50:59 g/m³ GISAAA 39(11),94,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJH800 HR: 3
((2-METHYL-1,3-DIOXOLAN-4-YL)METHYL)-TRIMETHYLAMMONIUM CHLORIDE

mf: C₈H₁₈NO₂•Cl mw: 195.72

SYN: CHLORURE de l'ETHYLAL TRIMETHYLAMMONIUM PROPANEDIOL (FRENCH)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:220 µg/kg AIPTAK 98,399,54
 ihl-dog LCLo:10 mg/m³/30M AIPTAK 98,399,54
 ihl-gpg LCLo:10 mg/m³/30M AIPTAK 98,399,54
 scu-gpg LDLo:50 µg/kg AIPTAK 98,399,54

SAFETY PROFILE: A deadly poison by inhalation, subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of Cl⁻, NH₃, and NO_x. See also CHLORIDES.

MJH900 CAS: 83-98-7 HR: 3
o-METHYLDIPHENHYDRAMINE

mf: C₁₈H₂₃NO mw: 269.42

PROP: Liquid. Bp: 195°.

SYNS: BIORPHEN □ BROCADISIPAL □ BROCASIPAL □ DISIPAL □ 2-METHYLDIPHENHYDRAMINE □ ORPHEN-ADINE □ ORPHENADRIN □ ORPHENADRINE □ WS 2434

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:14 mg/kg:CNS,CVS APTSAI 41(2),137,77
 orl-hmn TDLo:7143 mg/kg:CNS,CVS ATSUDG 4,425,80
 orl-mus LD50:125 mg/kg AIPTAK 138,62,62
 ipr-mus LD50:80 mg/kg AIPTAK 138,62,62
 scu-mus LD50:150 mg/kg AIPTAK 138,62,62
 ivn-mus LD50:33 mg/kg AIPTAK 138,62,62

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: convulsions, coma, arrhythmias, pulse rate increase and blood pressure elevation. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

MJH905 CAS: 644-08-6 HR: 2
4-METHYLDIPHENYL

mf: C₁₃H₁₂ mw: 168.25

SYNS: BIPHENYL, 4-METHYL- □ FEMA 3186 □ p-METHYL-BIPHENYL □ 4-METHYL-1,1'-BIPHENYL □ p-METHYLDIPHENYL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2570 mg/kg FCTXAV 13,487,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJH910 CAS: 781-35-1 HR: 3
METHYL DIPHENYLMETHYL KETONE

mf: C₁₅H₁₄O mw: 210.29

SYNS: BENZHYDRYL METHYL KETONE □ 1,1-DIPHENYL ACETONE □ 2-PROPANONE, 1,1-DIPHENYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 mg/kg KHfZAN 21,1326,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MJJ000 CAS: 908-35-0 HR: 3
2-METHYL-1,2-DI-3-PYRIDYL-1-PROPANONE
TARTRATE (1:2)

mf: C₁₄H₁₄N₂O•2C₄H₆O₆ mw: 526.50

SYNS: 2-METHYL-1,2-DIPYRIDYL-(3'-1-OXOPROPANE) DITARTRATE □ METOPIRON □ METOPIRONE DITARTRATE □ METYPRAPONE BITARTRATE □ METYRAPONE DITARTRATE □ SU 4885 DITARTRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:760 mg/kg TXYAC 17,73,80

ivn-mus LD50:261 mg/kg TXAPA9 23,537,72

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

MJJ100 CAS: 26419-72-7 HR: 3
2-METHYL-m-DITHIANE-2-CARBOXALDEHYDE
o-(METHYLCARBAMOYL)OXIME

mf: C₈H₁₄N₂O₂S₂ mw: 234.36

SYN: m-DITHIANE-2-CARBOXALDEHYDE, 2-METHYL-, o-(METHYLCARBAMOYL)OXIME

TOXICITY DATA with REFERENCE:

orl-mus LD50:100 µg/kg JAFCAU 19,422,1971

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

MJJ250 CAS: 34419-05-1 HR: 3
N-METHYL-3,6-DITHIA-3,4,5,6-TETRAHYDRO-PHTHALIMIDE

mf: C₇H₇NO₂S₂ mw: 201.27

SYN: 6-METHYL-2,3,5,7-TETRAHYDRO-6H-p-DITHIINO-(2,3-C)PYRROLE-5,7-DIONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:210 mg/kg DIPHAH 23,113,71

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MJJ500 CAS: 64037-51-0 HR: 3
1-(1-METHYL-3,3-DI-2-THIENYL-2-PROPENYL)-PIPERIDINE HYDROCHLORIDE

mf: C₁₇H₁₅NS₂•ClH mw: 333.91

TOXICITY DATA with REFERENCE:

scu-rat LD50:95 mg/kg BJPCAL 8,2,53

orl-mus LD50:190 mg/kg JPETAB 107,385,53

scu-mus LD50:119 mg/kg JPETAB 107,385,53

ivn-mus LD50:15 mg/kg BJPCAL 8,2,53

ivn-dog LDLo:22 mg/kg CPBTAL 7,372,59

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

MJK500 CAS: 701-73-5 HR: 3
METHYL DITHIOCARBANILATE

mf: C₈H₉NS₂ mw: 183.30

PROP: Leaflets from EtOH (aq). Mp: 95–96°.

SYNS: ENT 31,472 □ METHYL PHENYLDITHIOCARBAMATE □ PHENYLCARBAMODITHIOIC ACID METHYL ESTER (9CI)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04529

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

MJK750 CAS: 53384-39-7 HR: 3
METHYLDITHIOCYANATOARSINE
HOMOPOLYMER

mf: (C₃H₃AsN₂S₂)_n

SYNS: DTAS □ MONGARE □ POLY-(METHYLBIS-(THIOCYANATO)ARSINE)

TOXICITY DATA with REFERENCE:

mrc-bcs 5 µg/disc/24H MUREAV 40,19,76

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

SAFETY PROFILE: Arsenic compounds are poisons. Mutation data reported. When heated to decomposition it emits very toxic fumes of As, SO_x, and CN⁻. See also ARSENIC COMPOUNDS and THIOCYANATES.

MJL000 CAS: 820-54-2 HR: 2
METHYL DIVINYL ACETYLENE

mf: C₇H₈ mw: 92.15

SYN: 2-METHYL-1,5-HEXADIENE-3-YNE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1600 mg/kg WADTAA 55-250,2,55

ihl-rat LC50:24,500 mg/m³ GISAAA 48(10),89,83

ipr-rat LDLo:2000 mg/kg WADTAA 55-250,2,55

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by inhalation. When heated to decomposition it emits acrid smoke and irritating fumes. See also ACETYLENE COMPOUNDS.

MJL250 CAS: 33089-61-1 HR: 3
2-METHYL-1,3-DI(2,4-XYLYLIMINO)-2-AZAPROPANE

mf: C₁₉H₂₃N₃ mw: 293.45

SYNS: ACARAC □ AMITRAZ □ AMITRAZE □ AMITRAZ ESTRELLA □ AZADIENO □ AZAFORM □ BAAM □ N,N-BIS(2,4-XYLYLIMINOMETHYL)METHYLAMINE □ BOOTS BTS 27419 □ BTS 27,419 □ 1,5-DI(2,4-DIMETHYLPHENYL)-3-METHYL-1,3,5-TRIAZAPENTA-1,4-DIENE □ N'-(2,4-DIMETHYLPHENYL)-N-(((2,4-DIMETHYLPHENYL)IMINO)METHYL)-N-METHYLME THANIMIDAMIDE □ N,N-DI-(2,4-XYLYLIMINOMETHYL)-METHYLAMINE □ ECTODEX □ EDRIZAR □ ENT 27,967 □ FUMILAT A □ METHANIMIDAMIDE, N'-(2,4-DIMETHYLPHENYL)-N-(((2,4-DIMETHYLPHENYL)IMINO)METHYL)-N-METHYL- □ N-METHYL-BIS(2,4-XYLYLIMINOMETHYL)AMINE □ N,N'-((METHYLIMINO)DIMETHYLIDYNE)DI-2,4-XYLIDINE □ N-METHYL-N'-2,4-XYLYL-N-(N-2,4-XYLYLFORMIMIDOYL)-FORMAMIDINE □ MITABAN □ MITAC □ R.D. 27419 □ TAKTIC □ TRIATIX □ TRIATOX □ U-36059 □ UPJOHN U-36059

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg MEIEDD 10,73,83

ihl-rat LC50:65 g/m³/6H DOVEAA 33,66,79

ipr-rat LD50:800 mg/kg DOVEAA 33,66,79

orl-mus LD50:1600 mg/kg PSSCBG 4,901,73

orl-dog LD50:100 mg/kg SPEADM 78-1,22,78

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x. Used to control pear psylla on pears and tetranychid and eriophyid mites on fruit, etc.

MJL275 CAS: 107868-30-4 HR: D
6-METHYLENANDROSTA-1,4-DIENE-3,17-DIONE

mf: C₂₀H₂₄O₂ mw: 296.41

SYNS: EXEMESTANE □ ANDROSTA-1,4-DIENE-3,17-DIONE, 6-METHYLENE-

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.

MJL300 CAS: 202-94-8 HR: 2
1,12-METHYLENEBENZ(a)ANTHRACENE

mf: C₁₉H₁₂ mw: 240.31

SYNS: BENZ(a)ANTHRACENE, 1,12-METHYLENE- □ 11H-BENZ(bc)ACEANTHRYLENE □ 1,2-BENZANTHRACENE, 1',9-METHYLENE- □ 1',9-METHYLENE-1,2-BENZANTHRACENE

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

MJL500 CAS: 110-26-9 HR: 3
N,N'-METHYLENEBIS(ACRYLAMIDE)

mf: C₇H₁₀N₂O₂ mw: 154.19

PROP: Colorless, crystalline, stable, white powder. Mp: 185° (with decomp), d: 1.235 @ 30°, vap d: 5.31.

SYNS: METHYLENEBISACRYLAMIDE □ N,N'-METHYLENE-DIACRYLAMIDE □ N,N'-METHYLIDENE BISACRYLAMIDE

TOXICITY DATA with REFERENCE:

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

dlt-mus-ipr 225 mg/kg MUREAV 229,161,90

orl-rat LD50:390 mg/kg 37ASAA 1,306,78

orl-mus LD50:380 mg/kg JACTDZ 1,111,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AMIDES.

MJL750 CAS: 26907-37-9 HR: 3
N,N'-METHYLENEBIS(2-AMINO-1,3,4-THIADIAZOLE)

mf: C₅H₆N₆S₂ mw: 214.29

SYNS: BIS-A-TDA □ DI-KU-SHUANG □ NSC-143019 □ TK-5477

TOXICITY DATA with REFERENCE:

mnt-mus-orl 200 mg/kg ENVRAL 43,359,87

orl-rat LD50:260 mg/kg CIYPDA 12,345,81

ipr-rat LD50:82 mg/kg TAKHAA 35,68,76

scu-rat LD50:125 mg/kg TAKHAA 35,68,76

orl-mus LD50:2250 mg/kg CIYPDA 12,345,81

ipr-mus LD50:430 mg/kg TAKHAA 35,68,76

scu-mus LD50:145 mg/kg CIYPDA 12,345,81

orl-dog LD50:125 mg/kg TAKHAA 35,68,76

scu-dog LDLo:500 mg/kg CIYPDA 12,345,81

orl-rbt LD50:500 mg/kg TAKHAA 35,68,76

skn-rbt LD50:2000 mg/kg CIYPDA 12,345,81

scu-rbt LDLo:500 mg/kg CIYPDA 12,345,81

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. Moderately toxic by skin contact. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When

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

MJM200 CAS: 101-14-4 HR: 3
4,4'-METHYLENE BIS(2-CHLOROANILINE)

mf: C₁₃H₁₂Cl₂N₂ mw: 267.17

PROP: Tan solid.

SYNS: BIS AMINE □ CURALIN M □ CURENE 442 □ CYANASET □ DI-(4-AMINO-3-CHLOROPHENYL)METHANE □ DI-(4-AMINO-3-CHLOROPHENYL)METANO (ITALIAN) □ 4,4'-DIAMINO-3,3'-DICHLORODIPHENYLMETHANE □ 3,3'-DICHLORO-4,4'-DIAMINODIPHENYLMETHANE (GERMAN) □ 3,3'-DICHLORO-4,4'-DIAMINODIPHENYLMETHANE □ 3,3'-DICLORO-4,4'-DIAMINODIPHENYLMETHANE □ 3,3'-DICLORO-4,4'-DIAMINODIFENILMETANO (ITALIAN) □ MBOCA □ METHYLENE-4,4'-BIS(o-CHLOROANILINE) □ p,p'-METHYLENEBIS(α-CHLOROANILINE) □ p,p'-METHYLENEBIS(o-CHLOROANILINE) □ 4,4'-METHYLENE(BIS)-CHLOROANILINE □ 4,4'-METHYLENEBIS(o-CHLOROANILINE) □ 4,4'-METHYLENEBIS-2-CHLOROBENZENAMINE □ METHYLENE-BIS-ORTHO-CHLOROANILINE □ 4,4-METILENE-BIS-o-CHLOROANILINA (ITALIAN) □ MOCA □ RCRA WASTE NUMBER U158

TOXICITY DATA with REFERENCE:

otr-mus:fbr 10 µg/L JJIND8 67,1303,81
 sce-ham:ovr 500 µg/L ENMUDM 7,1,85
 orl-rat LD50:1140 mg/kg GISAAA 55(6),86,90
 orl-mus LD50:640 mg/kg GISAAA 55(6),86,90
 ipr-mus LD50:64 mg/kg PMRSDJ 1,682,81
 skn-rbt LD50:>5 g/kg 85INA8 6,988,91
 orl-gpg LD50:400 mg/kg GISAAA 55(6),86,90

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,246,87; Animal Sufficient Evidence IMEMDT 4,65,74. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.02 ppm (skin)

ACGIH TLV: TWA 0.01 ppm; Suspected Human Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (MOCA): TWA 0.003 mg/m³ (Skin)

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by ingestion and intraperitoneal routes. Mutation data reported. Flammable liquid. Reactive with active metals such as sodium, potassium, magnesium, or zinc. When heated to decomposition it emits very toxic fumes of Cl and NO_x. See also AMINES.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #24 or NIOSH: MBOCA in Urine, 8302.

MJM250 CAS: 64049-29-2 HR: 2
4,4'-METHYLENE-BIS(2-CHLOROANILINE)
HYDROCHLORIDE

mf: C₁₃H₁₂Cl₂N₂•ClH mw: 303.63

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

MJM500 CAS: 97-23-4 HR: 3

2,2'-METHYLENEBIS(4-CHLOROPHENOL)

mf: C₁₃H₁₀Cl₂O₂ mw: 269.13

PROP: Crystals, nearly insol in water. Mp: 178°, vap press: 10⁻⁴ mm @ 100°. Slightly sol in toluene.

SYNS: ANTHIPHEN □ ANTIPHEN □ BIS(5-CHLOR-2-HYDROXYPHENYL)-METHAN □ BIS(5-CHLORO-2-HYDROXY-PHENYL)METHANE □ BIS(2-HYDROXY-5-CHLOROPHENYL)-METHAN □ BIS(2-HYDROXY-5-CHLOROPHENYL)METHANE □ DDDM □ DDM □ DICESTAL □ DICHLOORFEEN □ 5,5'-DICHLORO-2,2'-DIHYDROXYDI-PHENYLMETHANE □ DICHLOROFEN □ DI-(5-CHLORO-2-HYDROXYPHENYL)-METHANE □ 4,4'-DICHLORO-2,2'-METHYLENEDIPHENOL □ DICHLOROPHEN □ DICHLORO-PHEN B □ DICHLOROPHENE □ DICHLORPHEN □ DIDROXAN □ DIDROXANE □ 2,2'-DIHYDROXY-5,5'-DICHLORODIPHENYLMETHANE □ DIPHENTHANE 70 □ FUNGICIDE FX □ G 4 □ GH □ HYOSAN □ KORUM □ O,O-METHYLENE-BIS(4-CHLOROPHENOL) □ 2,2'-METHYLENEBIS(4-CHLOROPHENOL) □ O,O-METILEN-BIS(4-CHLORO-FENOLO) □ PANACIDE □ PARABIS □ PLATH-LYSE □ PREVENTAL □ PREVENTOL □ PREVENTOL GD □ PREVENTOL GDC □ SUPER MOSSTOX □ TAENIATOL □ TENIATHANE □ TENIATOL □ WESPURIL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,82,72
 eye-rbt 50 µg/24H SEV 28ZPAK -,82,72
 mmo-sat 50 nmol/plate MUREAV 90,91,81
 mmo-sat 150 µg/plate EMMUEG 19(Suppl 21),2,92
 orl-rat LD50:1506 mg/kg FAATDF 7,299,86
 ivn-rat LD50:17 mg/kg CRTXB2 2,445,74
 orl-mus LD50:1 g/kg JPETAB 96,238,49
 orl-dog LD50:2000 mg/kg PCOC** -,361,66
 orl-gpg LD50:1250 mg/kg 28ZEAL 5,75,76

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

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. A skin and severe eye irritant. Mutation data reported. Can cause cramps and diarrhea. Possibly similar to DDT. An FDA over-the-counter drug. An anthelmintic. When heated to decomposition it emits toxic fumes of Cl. See also DDT and CHLOROPHENOLS.

MJM600 CAS: 5124-30-1 HR: 3
METHYLENE BIS(4-CYCLOHEXYLISOCYANATE)

mf: C₁₅H₂₂N₂O₂ mw: 262.39

PROP: Colorless liquid.

SYNS: BIS(4-ISOCYANATOCYCLOHEXYL)METHANE □ DICYCLOHEXYLMETHANE-4,4'-DIISOCYANATE □ HYDROGENATED MDI □ METHYLENE BIS(4-CYCLO-HEXYLISOCYANATE) (ACGIH,OSHA) □ NACCONATE H 12

TOXICITY DATA with REFERENCE:

orl-rat LD50:9900 mg/kg 85INA8 6,998,91
 ihl-rbt LC50:20 ppm/5H 85INA8 5,392,5(86),86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: CL 0.01

ACGIH TLV: TWA 0.005 ppm

NIOSH REL: (Dicyclohexylmethane 4,4'-diisocyanate) TWA CL 0.01 ppm

SAFETY PROFILE: Poison by inhalation. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and CN^- .

MJM700 CAS: 118-82-1 HR: 2
4,4'-METHYLENEBIS(2,6-DI-T-BUTYLPHENOL)

mf: $\text{C}_{29}\text{H}_{44}\text{O}_2$ mw: 424.73

SYNS: ANTIOXIDANT E 702 □ BIMOX M □ BINOX M □ BINOX-M □ DI(4-HYDROXY-3,5-DI-*tert*-BUTYLPHENYL)-METHANE □ E 702 □ ETHYL 702 □ ETIL 702 □ IONOX 220 □ IONOX 220 ANTIOXIDANT □ 4,4'-METHYLENEBIS(2,6-BIS(1,1-DIMETHYLETHYL)PHENOL) □ L 3MB1 □ LZ-MB 1 □ MB 1 (ANTIOXIDANT) □ NSC 30551 □ PHENOL, 4,4'-METHYLENEBIS(2,6-BIS(1,1-DIMETHYLETHYL))- □ PHENOL, 4,4'-METHYLENEBIS(2,6-DI-*tert*-BUTYL)- □ 2,2',6,6'-TETRA-*tert*-BUTYL-4,4'-METHYLENEDIPHENOL

TOXICITY DATA with REFERENCE:

orl-rat TDLo:2021 mg/kg/1W-C TOLED5 8,77,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJN000 CAS: 101-61-1 HR: 3
4,4'-METHYLENE BIS(N,N'-DIMETHYLANILINE)

mf: $\text{C}_{17}\text{H}_{22}\text{N}_2$ mw: 254.41

PROP: Crystals, leaflets, or plates from EtOH or ligroin. Mp: 91°, bp: 390°. Sol in Me_2CO .

SYNS: *p,p'*-BIS(DIMETHYLAMINO)DIPHENYLMETHANE □ 4,4'-BIS(DIMETHYLAMINO)DIPHENYLMETHANE □ BIS(*p*-DIMETHYLAMINOPHENYL)METHANE □ BIS(*p*-(*N,N*-DIMETHYLAMINO)PHENYL)METHANE □ *p,p'*-BIS(*N,N*-DIMETHYLAMINOPHENYL)METHANE □ *p,p'*-DIMETHYLAMINODIPHENYLMETHANE □ METHANE BASE □ 4,4'-METHYLENEBIS(*N,N*-DIMETHYL)BENZENAMINE □ MICHLER'S BASE □ MICHLER'S HYDRIDE □ MICHLER'S METHANE □ NCI-C01990 □ TETRA-BASE □ TETRAMETHYLDIAMINODIPHENYLMETHANE □ *p,p*-TETRAMETHYLDIAMINODIPHENYLMETHANE □ 4,4'-TETRAMETHYLDIAMINODIPHENYLMETHANE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate IARCCD 27,283,80

dnr-esc 20 mg/L JNCIAM 62,873,79

dns-rat:lvf 5 mg/L MUREAV 97,359,82

hma-mus/sat 125 mg/kg JNCIAM 62,911,79

sce-rbt:lym 50 mg/L MUREAV 89,197,81

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

orl-mus LD50:3160 mg/kg NCILB* NIH-NCI-E-C-72-3252,73

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 27,119,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-186,79. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. Community Right-To-Know List.

DFG MAK: Confirmed Animal Carcinogen, Suspected Human Carcinogen

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and

tumorigenic data. Moderately toxic by ingestion. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x .

MJN100 CAS: 19900-65-3 HR: D
4,4'-METHYLENEBIS(2-ETHYLBENZENAMINE)

mf: $\text{C}_{17}\text{H}_{22}\text{N}_2$ mw: 254.41

SYNS: BENZENAMINE, 4,4'-METHYLENEBIS(2-ETHYL)- (9CI) □ MBOEA □ 4,4'-METHYLENEBIS(*o*-ETHYLANILINE) □ ANILINE, 4,4'-METHYLENEBIS(*o*-ETHYL)-

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/plate ARTODN 49,185,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJN250 CAS: 88-24-4 HR: 3
2,2'-METHYLENEBIS(4-ETHYL-6-*tert*-BUTYL-PHENOL)

mf: $\text{C}_{25}\text{H}_{36}\text{O}_2$ mw: 368.61

SYNS: AGIDOL 7 □ ANTAGE W 500 □ ANTIOXIDANT 425 □ AO 425 □ BIS(2-HYDROXY-3-*tert*-BUTYL-5-ETHYLPHENYL)-METHANE □ CHEMANOX 22 □ CYANOX 425 □ 2,2'-METHYLENEBIS(6-*tert*-BUTYL-4-ETHYLPHENOL) □ NOCRAC NS 5 □ PHENOL, 2,2'-METHYLENEBIS(6-(1,1-DIMETHYLETHYL)-4-ETHYL-(9CI) □ PLASTANOX 425 ANTIOXIDANT □ USAF CY-6 □ YOSHINOX 425

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJN300 CAS: 39603-48-0 HR: 3
2,2'-METHYLENEBIS(HYDRAZINECARBO-THIAMIDE)

mf: $\text{C}_3\text{H}_{10}\text{N}_6\text{S}_2$ mw: 194.31

SYNS: BISTHIOSEMI □ HYDRAZINECARBOTHIOAMIDE, 2,2'-METHYLENEBIS- □ KAYANEX □ 1,1'-METHYLENETHIOSEMIKARBAZID □ METHYLENEBIS(1-THIOSEMICARBAZIDE) □ 1,1'-METHYLENEDI(THIO-SEMICARBAZIDE) □ NK-15561 □ SEMICARBAZIDE, METHYLENEBIS(THIO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:6350 µg/kg MAGJAL 52(2),166,79

orl-mus LD50:30,400 µg/kg PEMNDP 9,579,91

skn-mus LD50:>500 mg/kg YKYUA6 37,319,86

orl-dog LD50:>1500 mg/kg PEMNDP 9,579,91

orl-cat LD50:150 mg/kg PEMNDP 9,579,91

orl-gpg LD50:32 mg/kg PEMNDP 9,579,91

orl-ckn LD50:120 mg/kg PEMNDP 9,579,91

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

MJN750 CAS: 139-25-3 HR: 3
5,5'-METHYLENEBIS(2-ISOCYANATO)-TOLUENE

mf: $\text{C}_{17}\text{H}_{14}\text{N}_2\text{O}_2$ mw: 278.33

SYNS: 3,3'-DIMETHYLDIPHENYLMETHANE-4,4'-DIISOCYANATE □ ISOCYANIC ACID, ESTER with DI-*o*-TOLUENE-METHANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#00946

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

SAFETY PROFILE: Poison by intravenous route. A sensitizer. When heated to decomposition it emits toxic fumes of NO_x and CN⁻.

MJO000 CAS: 1807-55-2 HR: 2
4,4'-METHYLENEBIS(N-METHYLANILINE)

mf: C₁₅H₁₈N₂ mw: 226.35

SYNS: ANILINE, N,N'-DIMETHYL-4,4'-METHYLENEDI- □ BENZENAMINE, 4,4'-METHYLENEBIS(N-METHYL)-(9CI) □ BIS(N-METHYLANILINE)METHANE □ BIS(N-METHYLANILINO)METHAN (GERMAN) □ DIMETHYLDIAMINO-DIPHENYLMETHANE □ N,N'-DIMETHYL-4,4'-METHYLENE-DIANILINE □ 4,4'-METHYLENEBIS(N-METHYLBENZEN-AMINE)

TOXICITY DATA with REFERENCE:

mmo-sat 10 µg/plate CNREA8 42,3475,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJO250 CAS: 838-88-0 HR: 3
4,4'-METHYLENEBIS(2-METHYLANILINE)

mf: C₁₅H₁₈N₂ mw: 226.35

PROP: Pale-amber crystals from EtOH. Mp: 158–159°.

SYNS: BIS-4-AMINO-3-METHYLFENYLMETHAN (CZECH) □ 3,3'-DIMETHYL-4,4'-DIAMINODIPHENYLMETHANE □ MBOT □ ME-MDA □ 4,4'-METHYLENEBIS(2-METHYLBENZENAMINE) □ 4,4'-METHYLENE DI-*o*-TOLUIDINE

TOXICITY DATA with REFERENCE:

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

mma-sat 1 mg/plate ARTODN 49,185,82

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,248,87; Animal Limited Evidence IMEMDT 4,73,74. Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Moderately toxic by ingestion. An eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

MJO500 CAS: 119-47-1 HR: 1
2,2''-METHYLENEBIS(4-METHYL-6-tert-BUTYLPHENOL)

mf: C₂₃H₃₂O₂ mw: 340.55

PROP: Pale-cream to white crystals. Needles from pet ether. Mp: 131°.

SYNS: ADVASTAB 405 □ ANTAGE W 400 □ ANTI OX □ ANTIOXIDANT 1 □ BISAKLOFEN BP □ 2,2'-BIS-6-*tert*-BUTYL-*p*-KRESYLMETHAN (CZECH) □ BKF □ CALCO 2246 □ CATOLIN

14 □ CHEMANOX 21 □ 2,2'-METHYLENEBIS(6-*tert*-BUTYL-*p*-CRESOL) □ NOCRAC NS 6 □ OXY CHEK 114 □ PLASTANOX 2246 □ SYNOX 5LT □ VULKANOX BKF

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,58,72

orl-rat LDLo:10 g/kg GISAAA 38(8),28,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJO750 CAS: 7786-17-6 HR: 1
2,2'-METHYLENE-BIS(4-METHYL-6-NONYL-PHENOL)

mf: C₃₃H₅₂O mw: 480.85

SYNS: 2,2'-METHYLENEBIS(6-NONYL)-*p*-CRESOL □ NAUGA WHITE

TOXICITY DATA with REFERENCE:

orl-rat LD50:33 g/kg RCTEA4 45(3),627,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJO775 CAS: 14168-44-6 HR: 3
METHYLENE BIS(NITRAMINE)

mf: CH₄N₄O₄ mw: 136.07

SAFETY PROFILE: A powerful and sensitive explosive. It explodes when heated to 217°C. The lead salt explodes at 195°C. Upon decomposition it emits toxic fumes of NO_x.

MJO800 CAS: 5917-61-3 HR: 2
1,1'-(METHYLENEBIS(OXY))BIS(2,2-DINITROPROPANE)

mf: C₇H₁₂N₄O₁₀ mw: 312.23

SYNS: BDNPF □ BIS(DINITROPROPYL)FORMAL □ BIS(2,2-DINITROPROPYL)FORMAL □ METHANE, BIS(2,2-DINITRO-PROPOXY)- □ PROPANE, 1,1'-(METHYLENEBIS(OXY))BIS(2,2-DINITRO)-

TOXICITY DATA with REFERENCE:

skn-rbt LDLo:2 g/kg NTIS** AD-A252-109

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

MJP400 CAS: 101-68-8 HR: 3
METHYLENE BISPHENYL ISOCYANATE
DOT: UN 2489

mf: C₁₅H₁₀N₂O₂ mw: 250.27

PROP: Crystals or yellow fused solid. Mp: 37.2°, bp: 184° @ 3 mm, d: 1.19 @ 50°, vap press: 0.001 mm @ 40°. IDLH 75 mg/m³.

SYNS: BIS(*p*-ISOCYANATOPHENYL)METHANE □ BIS(1,4-ISOCYANATOPHENYL)METHANE □ BIS(4-ISOCYANATOPHENYL)METHANE □ CARADATE 30 □ DESMODUR 44 □ DIFENIL-METAN-DIISOCIANATO (ITALIAN) □ DIFENYLMETHAAN-DIISOCYANAAT (DUTCH) □ 4-4'-DIISOCYANATE de DIPHENYLMETHANE (FRENCH) □ 4,4'-

DIISOCYANATODIPHENYLMETHANE □ DIPHENYLMETHAN-4,4'-DIISOCYANAT (GERMAN) □ DIPHENYL METHANE DIISOCYANATE □ p,p'-DIPHENYLMETHANE DIISOCYANATE □ 4,4'-DIPHENYLMETHANE DIISOCYANATE □ DIPHENYLMETHANE 4,4'-DIISOCYANATE (DOT) □ HYLENE M50 □ ISONATE □ MDI □ METHYLENEBIS(4-ISOCYANATOBENZENE) □ 1,1-METHYLENEBIS(4-ISOCYANATOBENZENE) □ METHYLENEBIS(p-PHENYLENE ISOCYANATE) □ METHYLENEBIS(4-PHENYLENE ISOCYANATE) □ p,p'-METHYLENEBIS(PHENYL ISOCYANATE) □ METHYLENEBIS(p-PHENYL ISOCYANATE) □ METHYLENEBIS(4-PHENYL ISOCYANATE) □ 4,4'-METHYLENEBIS(PHENYL ISOCYANATE) □ 4,4'-METHYLENEDIPHENYL DIISOCYANATE □ METHYLENEDI-p-PHENYLENE DIISOCYANATE □ METHYLENEDI-p-PHENYLENE ISOCYANATE □ 4,4'-METHYLENEDIPHENYLENE ISOCYANATE □ METHYLENE DI(PHENYLENE ISOCYANATE) (DOT) □ 4,4'-METHYLENEDIPHENYL ISOCYANATE □ NACCONATE 300 □ NCI-C50668 □ RUBINATE 44

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H JETOAS 9,41,76
eye-rbt 100 µg MLD AIHAAP 43,89,82
mma-sat 50 µg/plate SWEHDO 6,221,80
ihl-hmn TCLo:130 ppb/30M:IMM,MET AIHAAP 27,121,66
orl-rat LDLo:31,690 mg/kg AIHAAP 43,89,82
ihl-rat LC50:178 mg/m³ AIHAAP 43,89,82
orl-mus LD16:10,700 mg/kg TPKVAL 15,128,79

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87. Reported in EPA TSCA Inventory. Community Right-To-Know List.

OSHA PEL: CL 0.02 ppm

ACGIH TLV: 0.005 ppm

DFG MAK: 0.05 mg/m³; Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD; DOT Class: 6.1; Label: Poison; DOT Class: 6.1; Label: Poison, Flammable Liquid; DOT Class: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Poison by inhalation. Mildly toxic by ingestion. Human systemic effects by inhalation: increased immune response and body temperature. A skin and eye irritant. An allergic sensitizer. Questionable carcinogen. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x and SO_x. See also CYANATES.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #18, superseded by #47.

MJP420 CAS: 135-22-8 HR: 3
3,3'-METHYLENEBIS(1-(PIPERIDINOMETHYL)-INDOLE)

mf: C₂₉H₃₆N₄ mw: 440.69

SYNS: INDOLE, 3,3'-METHYLENEBIS(1-(PIPERIDINOMETHYL))- □ 1H-INDOLE, 3,3'-METHYLENEBIS(1-(1-PIPERIDINYL METHYL))- (9CI)

TOXICITY DATA with REFERENCE:

scu-mus LD50:400 mg/kg APACAB 29,299,66
ipr-cat LDLo:30 mg/kg APACAB 29,299,66

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

MJP450 CAS: 75-09-2 HR: 3
METHYLENE CHLORIDE

DOT: UN 1593

mf: CH₂Cl₂ mw: 84.93

PROP: Colorless, volatile liquid; odor of chloroform. Bp: 39.8°, lcl: 15.5% in O₂, uel: 66.4% in O₂, fp: -96.7°, d: 1.326 @ 20°/4°, autoign temp: 1139°F, vap press: 380 mm @ 22°, vap d: 2.93, refr index: 1.424 @ 20 L. Sol in water; misc with alc, acetone, chloroform, ether, and carbon tetrachloride.

SYNS: AEROTHENE MM □ CHLORURE de METHYLENE (FRENCH) □ DCM □ DICHLOROMETHANE (MAK, DOT) □ FREON 30 □ METHANE DICHLORIDE □ METHYLENE BICHLORIDE □ METHYLENE DICHLORIDE □ METYLENU CHLOREK (POLISH) □ NCI-C50102 □ R 30 □ RCRA WASTE NUMBER U080 □ SOLAESTHIN □ SOLMETHINE

TOXICITY DATA with REFERENCE:

skn-rbt 810 mg/24H SEV JETOAS 9,171,76
eye-rbt 162 mg MOD JETOAS 9,171,76
eye-rbt 10 mg MLD TXCYAC 6,173,76
eye-rbt 17,500 mg/m³/10M TXCYAC 6,173,76
dni-hmn:fbr 5000 ppm/1H-C MUREAV 81,203,81
cyt-ham:ovr 5 g/L MUREAV 116,361,83
dni-ham:lng 5000 ppm/1H-C MUREAV 81,203,81
sce-ham:lng 5000 ppm/1H-C MUREAV 81,203,81
orl-hmn LDLo:357 mg/kg:CNS 34ZIAG -,390,69
orl-hmn LDLo:357 mg/kg:PNS,CNS 34ZIAG -,390,69
ihl-hmn TCLo:500 ppm/1Y-I:CNS,CVS ABHYAE 43,1123,68
ihl-hmn TCLo:500 ppm/8H:CNS SCIEAS 176,295,72
orl-rat LD50:1600 mg/kg FAONAU 48A,94,70
ihl-rat LC50:88,000 mg/m³/30M FAVUAI 7,35,75
ihl-mus LC50:14,400 ppm/7H NIHBAZ 191,1,49
ipr-mus LD50:437 mg/kg AGGHAR 18,109,60
scu-mus LD50:6460 mg/kg TXAPA9 4,354,62
orl-dog LDLo:3 g/kg QJPPAL 7,205,34
ihl-dog LCLo:14,108 ppm/7H NIHBAZ 191,1,49
ipr-dog LDLo:950 mg/kg TXAPA9 10,119,67
scu-dog LDLo:2700 mg/kg QJPPAL 7,205,34
ivn-dog LDLo:200 mg/kg QJPPAL 7,205,34
ihl-cat LCLo:43,400 mg/m³/4.5H AHBAAM 116,131,36
orl-rbt LDLo:1900 mg/kg HBTXAC 1,94,56
ihl-rbt LCLo:10,000 ppm/7H JIHTAB 26,8,44
scu-rbt LDLo:2700 mg/kg QJPPAL 7,205,34
ihl-gpg LCLo:5000 ppm/2H FLCRAP 1,197,67

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,194,87; Human Inadequate Evidence IMEMDT 41,43,86; Animal Sufficient Evidence IMEMDT 41,43,86; Animal Inadequate Evidence IMEMDT 20,449,79. NTP Carcinogenesis Studies (inhalation); Clear Evidence: mouse, rat NTPTR* NTP-TR-306,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.

OSHA PEL: 25 ppm

ACGIH TLV: TWA 50 ppm; Animal Carcinogen

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans; 100 ppm (350 mg/m³); BAT: 5% CO-Hb in blood at end of shift;

NIOSH REL: (Methylene Chloride) Reduce to lowest feasible level

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by intravenous route. Moderately toxic by ingestion, subcutaneous, and intraperitoneal routes. Mildly toxic by inhalation. Human systemic effects by ingestion and inhalation: paresthesia, somnolence, altered sleep time, convulsions, euphoria, and change in cardiac rate. An experimental teratogen. Experimental reproductive effects. An eye and severe skin irritant. Human mutation data reported. It is flammable in the range of 12–19% in air but ignition is difficult. It will not form explosive mixtures with air at ordinary temperatures. Mixtures in air with methanol vapor are flammable. It will form explosive mixtures with an atmosphere having a high oxygen content, in liquid O₂, N₂O₄, K, Na, NaK. Explosive in the form of vapor when exposed to heat or flame. Reacts violently with Li, NaK, potassium-tert-butoxide, (KOH + N-methyl-N-nitrosourea). It can be decomposed by contact with hot surfaces and open flame, and then yield toxic fumes that are irritating and give warning of their presence. When heated to decomposition it emits highly toxic fumes of phosgene and Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-59 or NIOSH: Methylene Chloride, 1005.

MJP500 CAS: 156-56-9 HR: 3
2-METHYLENECYCLOPROPANYLALANINE

mf: C₇H₁₁NO₂ mw: 141.17

PROP: Plates from MeOH (aq). Mp: 280–284°. Hypoglycemic principle from the akee plant, *Blighia sapida* Kon., *Sapindaceae* in the West Indies (LSPPAT 9,1305,70).

SYNS: α-AMINOMETHYLENECYCLOPROPANEPROPIONIC ACID □ 1-α-AMINO-β-METHYLENECYCLOPROPANEPROPIONIC ACID □ α-AMINO-2-METHYLENECYCLOPROPANEPROPANOIC ACID (9CI) □ α-AMINO-β-(2-METHYLENECYCLOPROPYL)PROPIONIC ACID □ 2-AMINO-4,5-METHYLENEHEX-5-ENOIC ACID □ HYPOGLYCIN □ HYPOGLYCIN A □ HYPOGLYCINE A □ 2-METHYLENECYCLOPROPANEALANINE □ β-(METHYLENECYCLOPROPYL)ALANINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:98 mg/kg: BJPCAL 13,125,58
ipr-rat LD50:97 mg/kg: WIMJAD 16,193,67
ivn-rat LDLo:30 mg/kg: JPETAB 121,272,57

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

MJP750 CAS: 1208-52-2 HR: 3
2,4'-METHYLENEDIANILINE

mf: C₁₃H₁₄N₂ mw: 198.29

PROP: Leaflets from C₆H₆. Mp: 88–89°, bp: 222° @ 9 mm.

SYNS: 2',4-BIS(AMINOPHENYL)METHANE □ 2,4'-DIAMINODIPHENYLMETHAN (GERMAN) □ o,p'-DIAMINODIPHENYLMETHANE □ 2,4'-DIAMINODIPHENYLMETHANE □ 2,4'-DIPHENYLMETHANEDIAMINE □ 2,4'-METHYLENEBIS-(ANILINE)

TOXICITY DATA with REFERENCE:

scu-rat LD50:3300 mg/kg NATWAY 57,247,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

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

MJQ000 CAS: 101-77-9 HR: 3
4,4'-METHYLENEDIANILINE

DOT: UN 2651

mf: C₁₃H₁₄N₂ mw: 198.29

PROP: Tan flakes, lumps, or pearly leaflets from benzene; faint amine-like odor. Mp: 93°, flash p: 440°F, bp: 232° @ 9 mm.

SYNS: 4-(4-AMINO BENZYL)ANILINE □ ANCAMINE TL □ ARALDITE HARDENER 972 □ BENZENAMINE, 4,4'-METHYLENEBIS- □ BIS-p-AMINOPHENYLMETHAN □ BIS(p-AMINOPHENYL)METHANE □ BIS(4-AMINOPHENYL)-METHANE □ CURITHANE □ DADPM □ DAPM □ DDM □ p,p'-DIAMINODIPHENYLMETHAN □ 4,4'-DIAMINODIPHENYLMETHAN □ DIAMINODIPHENYLMETHANE □ p,p'-DIAMINODIPHENYLMETHANE □ 4,4'-DIAMINODIPHENYL-METHANE □ 4,4'-DIAMINODIPHENYLMETHANE (DOT) □ DI-(4-AMINOPHENYL)METHANE □ DIANILINOMETHANE □ 4,4'-DIPHENYLMETHANEDIAMINE □ EPICURE DDM □ EPICURE DDM □ HT 972 □ JEFFAMINE AP-20 □ MDA □ METHYLENE-BIS(ANILINE) □ 4,4'-METHYLENEBISANILINE □ 4,4'-METHYLENEBIS(BENZENEAMINE) □ METHYLENEDIANILINE □ p,p'-METHYLENEDIANILINE □ 4,4-METHYLENEDIANILINE (ACGIH) □ SUMICURE M □ TONOX

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 85JCAE -,481,86
mmo-sat 250 µg/plate MUREAV 67,123,79
mma-sat 50 µg/plate MUREAV 67,123,79
dnd-rat-ipr 370 µmol/kg CRNGDP 2,131,81
sce-mus-ipr 9 mg/kg MUREAV 108,225,83
orl-man TDLo:8420 µg/kg:CNS,LIV BMJOAE 1,514,66
orl-man TDLo:8420 µg/kg BMJOAE 1,514,66
orl-rat LD50:347 mg/kg 28ZPAK -,71,72
ipr-rat LD50:193 mg/kg ZHYGAM 20,393,74
scu-rat LD50:200 mg/kg NATWAY 57,247,70
orl-mus LD50:745 mg/kg ZHYGAM 20,393,74
ipr-mus LD50:74 mg/kg RCOCB8 14,677,76
orl-dog LDLo:300 mg/kg TXCYAC 11,185,78
scu-dog LDLo:400 mg/kg AEXPBL 58,167,1907
orl-rbt LD50:620 mg/kg ZHYGAM 20,393,74
orl-gpg LD50:260 mg/kg ZHYGAM 20,393,74

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 39,347,86; Animal Inadequate Evidence IMEMDT 4,79,74.

Community Right-To-Know List. Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 0.1 ppm (skin); Animal Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. Human poison by ingestion. Poison by subcutaneous and intraperitoneal routes. Human systemic effects by ingestion: rigidity, jaundice, other liver changes. An eye irritant. Mutation data reported. It is not rapidly absorbed through the skin. Combustible when exposed to heat or flame. When heated to decomposition it emits highly toxic fumes of aniline and NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-57 or NIOSH: 4,4'-Methylenedianiline (MDA), 5029.

MJQ100 CAS: 13552-44-8 HR: 3
4,4'-METHYLENEDIANILINE DIHYDRO-CHLORIDE

mf: C₁₃H₁₄N₂•2ClH mw: 271.21

SYNS: BENZENAMINE, 4,4'-METHYLENEBIS-, DIHYDRO-CHLORIDE □ p,p'-METHYLENEDIANILINE DIHYDRO-CHLORIDE □ NCI-C54604

TOXICITY DATA with REFERENCE:

mma-sat 1 µg/plate SCIEAS 236,933,87

msc-mus:lyms 250 mg/L EMMUEG 12,85,88

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Animal Sufficient Evidence IMEMDT 39,347,86. NTP Carcinogenesis Studies (oral); Clear Evidence: mouse, rat NTPTR* NTP-TR-248,83. Reported in EPA TSCA Inventory.

NIOSH REL: (4,4'-Methylenedianiline) TWA reduce to lowest level

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ANILINE DYES.

MJQ250 CAS: 34481-84-0 HR: 2
METHYLENEDIANTHRANILIC ACID DIMETHYL ESTER

mf: C₁₇H₁₈N₂O₄ mw: 314.37

SYNS: MBMA □ METHYLENEBIS(2-AMINO-BENZOIC ACID) DIMETHYL ESTER (9CI) □ 4,4'-METHYLENEBIS(2-CARBO-METHOXYANILINE) □ METHYLENE-BIS(METHYL ANTHRANILATE)

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

MJQ260 CAS: 1761-71-3 HR: 3
4,4'-METHYLENEDICYCLOHEXANAMINE

mf: C₁₃H₂₆N₂ mw: 210.41

SYNS: BIS(p-AMINOCYCLOHEXYL)METHANE □ BIS(4-AMINOCYCLOHEXYL)METHANE □ CYCLOHEXANAMINE,

4,4'-METHYLENEBIS-(9CI) □ DI(p-AMINOCYCLOHEXYL)-METHANE □ p,p'-DIAMINODICYCLOHEXYLMETHANE □ 4,4'-DIAMINODICYCLOHEXYLMETHANE □ HLR 4219 □ HLR 4448 □ METHYLENEBIS(4-AMINOCYCLOHEXANE) □ 4,4'-METHYLENEBIS(CYCLOHEXANAMINE) □ 4,4'-METHYLENEBIS-(CYCLOHEXYLAMINE) □ 4,4'-METHYLENEDICYCLOHEXANAMINE □ 4,4'-METHYLENEDICYCLOHEXYLAMINE □ PACM 20 □ WANDAMIN HM

TOXICITY DATA with REFERENCE:

ihl-mus LC50:400 mg/m³/4H 85JCAE -,481,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJQ300 CAS: 75-10-5 HR: 1
METHYLENE DIFLUORIDE

mf: CH₂F₂ mw: 52.03

SYNS: CARBON FLUORIDE HYDRIDE □ DIFLUOROMETHANE □ FREON 32 □ GENETRON 32 □ HFC 32 □ KHLADON 32 □ METHANE, DIFLUORO- □ R 32 (REFRIGERANT)

TOXICITY DATA with REFERENCE:

ihl-rat LC:>52 pph/4H FAATDF 31,243,1996

ihl-mus LC50:1810 g/m³ TOVEFN (1),27,1996

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

MJQ325 HR: 3
METHYLENEDILITHIUM

mf: CH₂Li₂ mw: 27.91

SAFETY PROFILE: Ignites spontaneously in air. See also LITHIUM COMPOUNDS.

MJQ500 CAS: 156-72-9 HR: 3
METHYLENE DIMETHANESULFONATE

mf: C₃H₈O₆S₂ mw: 204.23

SYNS: ENT 51,799 □ METHANESULFONIC ACID, METHYLENE ESTER □ METHYLENE BIS(METHANESULFONATE)

TOXICITY DATA with REFERENCE:

dnd-rat-unr 25 mg/kg CBINA8 7,265,73

dlt-rat-ipr 15 mg/kg CCPTAY 13,639,76

dni-mus:oth 5 mg/L CBINA8 11,501,75

msc-mus:lym 50 µmol/L MUREAV 25,107,74

dnd-mam:oth 250 µmol/L CBINA8 38,119,81

ipr-rat LD50:25 mg/kg BJPCAL 24,24,65

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x. See also SULFONATES.

MJQ750 CAS: 5625-90-1 HR: 2
4,4'-METHYLENEDIMORPHOLINE

mf: C₉H₁₈N₂O₂ mw: 186.29

SYNS: BIS(MORPHOLINO-)METHAN (GERMAN) □ BISMORPHOLINO METHANE

TOXICITY DATA with REFERENCE:

scu-rat LD50:1000 mg/kg ZEKBAI 71,105,68

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

MJQ775 CAS: 4764-17-4 HR: 3
METHYLENEDIOXYAMPHETAMINE
mf: C₁₀H₁₃NO₂ mw: 179.24

SYNS: MDA □ 3,4-METHYLENEDIOXY-AMPHETAMINE □ α-METHYL-3,4-(METHYLENEDIOXY)PHENETHYLAMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:13,300 µg/kg CTOXAO 6,193,73

ipr-mus LD50:82,300 µg/kg CTOXAO 6,193,73

ivn-mus LD50:31,100 µg/kg TRBMAV 33,610,75

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

MJR000 CAS: 274-09-9 HR: 2
1,2-METHYLENEDIOXYBENZENE
mf: C₇H₆O₂ mw: 122.13**PROP:** A liquid. D: 1.064, bp: 172–173°.**SYN:** METHYLENEDIOXYBENZENE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:580 mg/kg TXAPA9 7,18,65

orl-mus LD50:1220 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJR250 CAS: 3160-37-0 HR: 1
3,4-METHYLENEDIOXYBENZYL ACETONE
mf: C₁₁H₁₀O₃ mw: 190.21

SYNS: 4-(1,3-BENZODIOXOL-5-YL)-3-BUTEN-2-ONE □ 3-BUTEN-2-ONE, 4-(3,4-(METHYLENEDIOXY)PHENYL)- (6Cl,7Cl,8Cl) □ HELIOTROPYL ACETONE □ 3,4-(METHYLENEDIOXY)BENZALACETONE □ 4-(3,4-(METHYLENEDIOXY)PHENYL)-3-BUTEN-2-ONE □ PIPERONALACETONE □ PIPERONYL ACETONE □ PIPERONYLIDENEACETONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:4 g/kg FCTXAV 14,659,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJR500 CAS: 64057-70-1 HR: 3
3,4-METHYLENEDIOXY-N,α-DIMETHYL-β-PHENYLETHYLAMINE HYDROCHLORIDE
mf: C₁₁H₁₅NO₂•ClH mw: 229.73**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:49 mg/kg TXAPA9 25,299,73

ipr-mus LD50:97 mg/kg TXAPA9 25,299,73

ivn-dog LD50:14 mg/kg TXAPA9 25,299,73

ivn-mky LD50:22 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:98 mg/kg TXAPA9 25,299,73

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

MJR750 CAS: 42542-07-4 HR: 3
3,4-METHYLENEDIOXY-α-ETHYL-β-PHENYL-ETHYLAMINE
mf: C₁₁H₁₅NO₂•ClH mw: 229.73**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:95 mg/kg TXAPA9 25,299,73

ipr-mus LD50:82 mg/kg TXAPA9 25,299,73

ivn-dog LD50:16 mg/kg TXAPA9 25,299,73

ivn-mky LD50:20 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:88 mg/kg TXAPA9 25,299,73

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

MJR800 CAS: 1485-00-3 HR: 3
3,4-METHYLENEDIOXY-β-NITROSTYRENE
mf: C₉H₇NO₄ mw: 193.17

SYNS: 1,3-BENZODIOXOLE, 5-NITROVINYL- □ STYRENE, 3,4-METHYLENEDIOXY-β-NITRO-

TOXICITY DATA with REFERENCE:

ipr-mus LD :>500 mg/kg CBCCT* 6,375,54

ivn-mus LD50:32 mg/kg CSLNX* NX#00689

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

MJS250 CAS: 64245-99-4 HR: 3
2-(3,4-(METHYLENEDIOXY)PHENOXY)-1-((3,4-(METHYLENEDIOXY)PHENOXY)METHYL)-ETHYLAMINE
mf: C₁₇H₁₇NO₆ mw: 331.35

SYN: 1,3-BIS(3,4-METILENDIOSSIFENOSI)-2-AMINO-PROPANO (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:700 mg/kg FRPSAX 32,502,77

ivn-mus LD50:49 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.

MJS500 CAS: 64246-17-9 HR: 3
1-(5-(3,4-(METHYLENEDIOXY)PHENOXY)-4-((3,4-(METHYLENEDIOXY)PHENOXY)-METHYL)PENTYLPIPERIDINE) CITRATE
mf: C₂₅H₃₁NO₆•C₆H₈O₇ mw: 633.71**TOXICITY DATA with REFERENCE:**

orl-mus LD50:635 mg/kg FRPSAX 32,502,77

ivn-mus LD50:47 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.

MJS550 CAS: 51-14-9 HR: 2
2-(3,4-METHYLENEDIOXYPHENOXY)-3,6,9-TRIOXOUNDECANE

mf: C₁₅H₂₂O₆ mw: 298.37

SYNS: ACETALDEHYDE, 2-(2-ETHOXYETHOXY)ETHYL 3,4-(METHYLENEDIOXY)PHENYL ACETAL □ 2-(2-AETHOXY-AETHOXY)-AETHY-3,6,9-TRIOXA-UNDECAN □ AI3-20871 □ 1,3-BENZODIOXOLE, 5-(1-(2-(2-ETHOXYETHOXY)ETHOXY)-ETHOXY)- □ ENT 20871 □ 5-(1-(2-(2-ETHOXYETHOXY)ETHOXY)ETHOXY)-1,3-BENZODIOXOLE □ 2-(2-ETHOXYETHOXY)-ETHYL-3,4-(METHYLENEDIOXY)PHENYLACETAL OF ACETALDEHYDE □ SESAMEX □ SESOXANE □ 3,6,9-TRIOXA-UNDECANE, 2-(3,4-(METHYLENEDIOXY)PHENOXY)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg 28ZEAL 5,205,76

skn-rbt LD50:>11 g/kg BESAAT 12,161,66

SAFETY PROFILE: Moderately toxic by ingestion.

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

MJS750 CAS: 6292-91-7 HR: 3
1-(3,4-METHYLENEDIOXYPHENYL)-2-AMINOPROPANE

mf: C₁₀H₁₃NO₂•ClH mw: 215.70

SYNS: 3,4-METHYLENEDIOXY-α-METHYL-β-PHENYLETHYL-AMINE HYDROCHLORIDE □ α-METHYL-3,4-METHYLENEDIOXYPHENETHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mmo-sat 5 mg/plate MUREAV 56,199,77

ipr-rat LD50:27 mg/kg TXAPA9 25,299,73

ipr-mus LD50:68 mg/kg TXAPA9 25,299,73

ivn-dog LD50:7 mg/kg TXAPA9 25,299,73

ivn-mky LD50:6 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:28 mg/kg TXAPA9 25,299,73

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

MJT000 CAS: 1653-64-1 HR: 3
3,4-METHYLENEDIOXY-β-PHENYLETHYLAMINE HYDROCHLORIDE

mf: C₉H₁₁NO₂•ClH mw: 201.67**PROP:** A solid. Mp: 210–211°.**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:55 mg/kg TXAPA9 25,299,73

ipr-mus LD50:176 mg/kg TXAPA9 25,299,73

ivn-dog LD50:28 mg/kg TXAPA9 25,299,73

ivn-mky LD50:45 mg/kg TXAPA9 25,299,73

ipr-gpg LD50:245 mg/kg TXAPA9 25,299,73

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

MJT025 CAS: 87773-08-8 HR: D
2-(3,4-(METHYLENEDIOXY)PHENYL)-IMIDAZO(2,1-A)ISOQUINOLINE

mf: C₁₈H₁₂N₂O₂ mw: 288.32

SYNS: IMIDAZO(2,1-A)ISOQUINOLINE, 2-(1,3-BENZODIOXOL-5-YL)- □ IMIDAZO(2,1-A)ISOQUINOLINE, 2-(3,4-(METHYLENEDIOXY)PHENYL)-

TOXICITY DATA with REFERENCE:

scu-ham TDLo: 1250 µg/kg (female 4-8D post):REP ARZNAD 33,1222,1983

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

MJT050 CAS: 63690-09-5 HR: 3
METHYLENEDIPHENYL-4,4'-DIAMIDINE

mf: C₁₅H₁₆N₄ mw: 252.35

SYNS: BENZENECARBOXIMIDAMIDE, 4,4'-METHYLENEBIS- □ p,p'-DIAMIDINODIPHENYLMETHANE

TOXICITY DATA with REFERENCE:

unr-mus LDLo:50 mg/kg ATMPA2 32,177,38

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

MJT100 CAS: 1660-94-2 HR: 3
METHYLENEDI(PHOSPHONIC ACID) TETRAETHYL ESTER

mf: C₉H₂₂O₆P₂ mw: 288.25

SYNS: METHYLENEBIS(DIETHYLPHOSPHONATE) □ PHOSPHONIC ACID, METHYLENEDI-, TETRAETHYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#03139

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJT500 CAS: 6317-18-6 HR: 3
METHYLENE DITHIOCYANATE

mf: C₃H₂N₂S₂ mw: 130.19**PROP:** A solid. Mp: 102°.**SYN:** METHYLENEDIRHODANID (CZECH, GERMAN)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:161 mg/kg MarJV# 29MAR77

ivn-mus LD50:3600 µg/kg CSLNX* NX#03787

scu-rbt LDLo:20 mg/kg AEPPAE 150,257,30

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJT750 CAS: 3693-53-6 HR: 2
METHYLENE DIURETHAN

mf: C₇H₁₄N₂O₄ mw: 190.23**PROP:** A solid. Mp: 131°.**SYN:** N,N-METHYLENE-BIS(ETHYL CARBAMATE)**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:6500 mg/kg/13W-I:ETA JNCIAM 9,35,48

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

MJU000 CAS: 533-31-3 HR: 2
METHYLENE ETHER of OXYHYDROQUINONE

mf: C₇H₆O₃ mw: 138.13

PROP: Crystals from CHCl_3 /pet ether. Mp: 65.8°, bp: 135–140° @ 13 mm.

SYNS: 3,4-METHYLENEDIOXYPHENOL □ SESAMOL

TOXICITY DATA with REFERENCE:

orl-mus TDLo:1092 g/kg/2Y-C:CAR JJCREP 83,1279,92

orl-mus LD:1612 g/kg/96W-C:CAR JJCREP 81,207,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJU150 CAS: 38483-28-2 HR: 3
METHYLENE GLYCOL DINITRATE

mf: $\text{CH}_2\text{N}_2\text{O}_6$ mw: 138.05

SYNS: METHANEDIOL, DINITRATE □ METHYLENE DINITRATE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits toxic vapors of NO_x .

MJU250 CAS: 2679-01-8 HR: 3
METHYLENE GREEN

mf: $\text{C}_{17}\text{H}_{17}\text{N}_4\text{O}_2\text{S}\cdot\text{Cl}$ mw: 364.88

PROP: Bluish-green crystals or powder. Sol in H_2O ; sltly sol in EtOH.

SYN: 3,7-BIS(DIMETHYLAMINO)-4-NITRO-PHENOTHIAZIN-5-IUM, CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg IJLEAG 2,257,34

ipr-rat LDLo:100 mg/kg IJLEAG 2,257,34

ivn-cat LDLo:50 mg/kg IJLEAG 2,257,34

ivn-rbt LDLo:150 mg/kg IJLEAG 2,257,34

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

MJU350 CAS: 25382-52-9 HR: 3
METHYLENEMAGNESIUM

mf: CH_2Mg mw: 38.33

SAFETY PROFILE: The polymeric form ignites spontaneously in air. When heated to decomposition it emits toxic fumes of MgO . See also MAGNESIUM COMPOUNDS.

MJU400 CAS: 35656-02-1 HR: 1
METHYLENETETRAHYDROPYRAN

mf: $\text{C}_6\text{H}_{10}\text{O}$ mw: 98.16

SYN: 2H-PYRAN, TETRAHYDROMETHYLENE-

TOXICITY DATA with REFERENCE:

ihl-rat LC50:94,300 mg/ m^3 GISAAA 48(10),82,83

ihl-mus LC50:69,160 mg/ m^3 GISAAA 48(10),82,83

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

MJU500 CAS: 52775-76-5 HR: 3
METHYLENOMYCIN A

mf: $\text{C}_9\text{H}_{10}\text{O}_4$ mw: 182.19

PROP: A solid. Mp: 115° (decomp). An antibiotic produced by *Streptomyces violaceoruber* strain No. 2416 (85ERAY 2,1267,78).

SYN: 2-METHYLENE-CYCLOPENTAENE-3-ONO-4,5-EPOXY-4,5-DIMETHYL-1-CARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

orl-mus LD50:1500 mg/kg 85ERAY 2,1267,78

ipr-mus LD50:75 mg/kg 85ERAY 2,1267,78

ivn-mus LD50:156 mg/kg 85GDA2 6,45,81

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

MJU750 CAS: 17605-71-9 HR: 3
METHYLEPHEDRINE

mf: $\text{C}_{11}\text{H}_{17}\text{NO}$ mw: 179.25

PROP: dl Form: Crystals from pet ether or methanol.

Mp: 63.5–64.5°, very sol in usual solvents. d form:

Crystals. Mp: 87–87.5°. l Form: Crystals from pet ether.

Mp: 87–88°.

SYNS: METHYLEPHEDRIN (GERMAN) □ 1-PHENYL-2-DIMETHYLAMINOPROPANOL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1000 mg/kg AEPPAE 195,647,40

ipr-rat LDLo:210 mg/kg AEPPAE 195,647,40

ipr-mus LDLo:210 mg/kg AEPPAE 195,647,40

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

MJV000 CAS: 554-99-4 HR: 3
N-METHYLEPINEPHRINE

mf: $\text{C}_{10}\text{H}_{15}\text{NO}_3$ mw: 197.23

SYNS: 3,4-DIHYDROXY- α -(DIMETHYLAMINOMETHYL) BENZYL ALCOHOL □ α -(3,4-DIHYDROXYPHENYL)- β -DIMETHYLAMINOETHANOL □ α -(3,4-DIHYDROXYPHENYL)- α -HYDROXY- β -DIMETHYLAMINOETHANE □ α -(DIMETHYLAMINOMETHYL)PROTocatechuyl ALCOHOL □ METHADR-ENE □ N-METHYLADRENALINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:50 mg/kg JPETAB 69,1,40

scu-rat LD50:105 mg/kg JPETAB 69,1,40

ivn-rat LD50:5 mg/kg JPETAB 69,1,40

ivn-mus LD50:6750 $\mu\text{g}/\text{kg}$ AEPPAE 226,493,55

ivn-dog LD50:8 mg/kg JPETAB 69,1,40

ipr-rbt LD50:20 mg/kg JPETAB 69,1,40

scu-rbt LD50:25 mg/kg JPETAB 69,1,40

ivn-rbt LD50:3 mg/kg JPETAB 69,1,40

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

MJV500 HR: 3
(8- β)-6-METHYLERGOLINE-8-ACETAMIDE TARTRATE (2:1)

mf: $\text{C}_{34}\text{H}_{42}\text{N}_6\text{O}_2\cdot\text{C}_4\text{H}_6\text{O}_6$ mw: 716.92

SYN: ERGOLINE-8-ACETAMIDE, 6-METHYL-, (8- β)-, (R-(R*,R*))-, 2,3-DIHYDROXYBUTANEDIOATE (2:1)

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg CCCCAK 36,2200,71

ivn-mus LD50:93 mg/kg CCCCAK 36,2200,71

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

MJV750 CAS: 57432-61-8 HR: 3
METHYLERGONOVINE MALEATE

mf: C₂₄H₂₉N₃O₆ mw: 455.56

PROP: White to pinkish-tan microcrystalline powder; odorless, bitter taste. Sltly sol in water and alc; very sltly sol in chloroform and ether.

SYNS: BASOFORTINA □ MALEIC ACID, METHYL ERGONOVINE □ METHEGRIN □ METHYLERGOBASINE MALEATE □ METHYLERGOMETRINE MALEATE □ USAF UCTL-8

TOXICITY DATA with REFERENCE:

sce-ham:ovr 10 nmol/L TCMUD8 8,169,88

ims-wmn TDLo:4 µg/kg (female 36W post):TER JRPMPAP 33,771,88

orl-rat LD50:93 mg/kg NIIRDN 6,828,82

ivn-rat LD50:23 mg/kg NIIRDN 6,828,82

orl-mus LD50:187 mg/kg NIIRDN 6,828,82

ipr-mus LD50:6 mg/kg NTIS** AD277-689

ivn-mus LD50:85 mg/kg NIIRDN 6,828,82

ivn-rbt LD50:2600 µg/kg NIIRDN 6,828,82

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

MJV775 CAS: 81103-11-9 HR: 3
6-o-METHYLERYTHROMYCIN

mf: C₃₈H₆₉NO₁₃ mw: 748.08

SYNS: CLARITHROMYCIN □ CLATHROMYCIN □ A-56268 □ ERYTHROMYCIN, 6-o-METHYL- □ 6-o-METHYLERYTHROMYCIN A □ TE-031

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:30 mg/kg/3D-I:BPR AEMED3 30,542,1997

orl-rat LD50:1270 mg/kg KSRNAM 22,1433,1988

ipr-rat LD50:669 mg/kg NKRZAZ 36(Suppl 3),274,1988

scu-rat LD50:>5 g/kg NKRZAZ 36(Suppl 3),274,1988

orl-mus LD50:1230 mg/kg KSRNAM 22,1433,1988

ipr-mus LD50:850 mg/kg NKRZAZ 36(Suppl 3),274,1988

scu-mus LD50:>5 g/kg NKRZAZ 36(Suppl 3),274,1988

ivn-mus LD50:173 mg/kg IYKEDH 22,769,1991

SAFETY PROFILE: A poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. Human systemic effects. When heated to decomposition it emits toxic vapors of NO_x.

MJV800 CAS: 529-84-0 HR: 2
4-METHYLESCULETIN

mf: C₁₀H₈O₄ mw: 192.18

SYNS: 2H-1-BENZOPYRAN-2-ONE, 6,7-DIHYDROXY-4-METHYL-(9CI) □ COUMARIN, 6,7-DIHYDROXY-4-METHYL- □ 6,7-DIHYDROXY-4-METHYL-2H-1-BENZOPYRAN-2-ONE □ 6,7-DIHYDROXY-4-METHYLCOUMARIN □ 4-METHYLAESCULETIN □ METHYLESCULETIN □ 4-METHYLESCULETOL

TOXICITY DATA with REFERENCE:

ipr-rat LD50:5130 mg/kg THERAP 20,879,65

orl-mus LD50:3200 mg/kg MPHEAE 17,497,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJV900 CAS: 210692-60-7 HR: 2
METHYL ESTER N,N-(DIPHENYL)-4-UREIDO-5,7-DICHLORO-2-CARBOXYQUINOLINE

mf: C₂₄H₁₇Cl₂N₃O₃ mw: 466.32

SYNS: DCUK-OME □ 2-QUINOLINECARBOXYLIC ACID, 5,7-DICHLORO-4-((DIPHENYLAMINO)CARBONYLAMINO)-, METHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:500 mg/kg JPETAB 292,215,2000

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

MJW000 CAS: 112-61-8 HR: 2
METHYL ESTER STEARIC ACID

mf: C₁₉H₃₈O₂ mw: 298.57

PROP: Liquid to semi-solid. Mp: 38°, bp: 215° @ 15 mm, flash p: 307°F (CC), d: 0.860. Sol in water and ether.

SYNS: EMERY 2218 □ METHOLENE 2218 □ METHYL OCTADECANOATE □ METHYL STEARATE □ OCTA-DECANOIC ACID, METHYL ESTER

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

MJW100 CAS: 109-81-9 HR: 3
N-METHYLETHANEDIAMINE

mf: C₃H₁₀N₂ mw: 74.15

SYNS: 2-AMINOETHYLMETHYLAMINE □ 1,2-ETHANEDIAMINE, N-METHYL-(9CI) □ ETHYLENEDIAMINE, N-METHYL- □ 2-(METHYLAMINO)ETHYLAMINE □ N-METHYLDIAMINO-ETHANE □ N-METHYL-1,2-ETHANEDIAMINE □ N-METHYLETHYLENEDIAMINE □ N-METHYLETHYLDIENEDIAMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 mg/kg EJMCA5 17,235,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJW250 CAS: 1912-28-3 HR: D
METHYL ETHANE SULFONATE

mf: C₃H₈O₃S mw: 124.17

PROP: Oil. Bp: 197.5–200.5°.

SYNS: MES □ METHYL ETHANE SULFONATE

TOXICITY DATA with REFERENCE:

mno-clr 20 mmol/L MUREAV 7,25,69

dlt-rat-ipr 50 mg/kg GENRA8 4,333,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x. See also SULFONATES.

MJW300 CAS: 84012-64-6 HR: 1
5-(1-METHYLETHENYL)- β , β ,2-TRIMETHYL-1-CYCLOPENTENE-1-PROPANOL PROPANOATE

mf: C₁₇H₂₈O₂ mw: 264.45

SYNS: 1-CYCLOPENTENE-1-PROPANOL, 5-(1-METHYLETHENYL)- β , β ,2-TRIMETHYL-, PROPANOATE \square CYCLOPENTENYL PROPIONATE MUSK \square 2-(2,2-DIMETHYL-3-PROPIONYL)-1-METHYL-3-(METHYLETHENYL)-CYCLOPENTENE

TOXICITY DATA with REFERENCE:

skn-rbt 10% MOD FCTOD7 26,295,88
 eye-rbt 100 mg MLD FCTOD7 26,295,88
 orl-rat LD50:>5 g/kg FCTOD7 26,295,88
 skn-rbt LD50:>5 g/kg FCTOD7 26,295,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJW500 CAS: 115-10-6 HR: 3
METHYL ETHER

DOT: UN 1033

mf: C₂H₆O mw: 46.08

PROP: Colorless gas; ether odor. Mp: -138.5°, bp: -23.7°, lel: 3.4%, uel: 27%, flash p: -42°F (CC), autoign temp: 662°F, vap d: 1.617, d: 0.661 (air = 1). Sol in alc, water, ether.

SYNS: DIMETHYL ETHER (DOT) \square OXYBISMETHANE \square WOOD ETHER

TOXICITY DATA with REFERENCE:

ihl-rat LC50:308 g/m³ TOXID9 1,79,81
 ihl-mus LC50:386,000 ppm/30M EJTXAZ 8,287,75
 ihl-rat TCLo:2 pph/6H/30W-I TXCYAC 11,65,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: 1000 ppm (1900 mg/m³)

DOT CLASSIFICATION: 2.1; Label: Flammable Gas

SAFETY PROFILE: Slightly toxic by inhalation. Very dangerous fire hazard when exposed to heat, flame, or oxidizers. Dangerous explosion hazard when exposed to flame, sparks, etc. Violent reaction with AlH₃ and LiAlH₂. Keep in closed container away from heat and open flame. To fight fire, stop flow of gas. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS and ETHYL ETHER.

MJW750 CAS: 1320-67-8 HR: 2
METHYL ETHER OF PROPYLENE GLYCOL (α)

mf: C₄H₁₀O₂ mw: 90.14

PROP: Colorless liquid. Mp: -96.7°, bp: 120°, flash p: 335°F, d: 0.919 @ 25°/25°.

TOXICITY DATA with REFERENCE:

eye-rbt 20 mg AJOPAA 29,1363,46

CONSENSUS REPORTS: Glycol ethers are on the Community Right-To-Know List.

SAFETY PROFILE: An eye irritant. Many glycol ether compounds have dangerous human reproductive effects. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHYLENE GLYCOL METHYL ETHER and GLYCOL ETHERS.

MJW875 CAS: 13655-95-3 HR: 2
11- β -METHYL-17- α -ETHINYLESTRADIOL

mf: C₂₁H₂₆O₂ mw: 310.47

SYN: 11- β -METHYL-19-NOR-17- α -PREGNA-1,3,5(10)-TRIEN-20-YNE-3,17-DIOL

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

MJW900 CAS: 97780-06-8 HR: 2
METHYL 2-((4-ETHOXY-6-METHYLAMINO-1,3,5-TRIAZIN-2-YL)CARBAMOYLSULFAMOYL)-BENZOATE (IUPAC)

SYNS: BENZOIC ACID, 2-(((4-ETHOXY-6-(METHYLAMINO)-1,3,5-TRIAZIN-2-YL)AMINO)CARBONYL)AMINO) SULFONYL)-, METHYL ESTER \square DPX-A 7881

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg PEMNDP 9,580,91
 orl-qal LD50:>2250 mg/kg PEMNDP 9,580,91
 orl-dck LD50:>2250 mg/kg PEMNDP 9,580,91

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

MJX000 CAS: 16354-48-6 HR: 2
9-METHYL-10-ETHOXYMETHYL-1,2-BENZANTHRACENE

mf: C₂₁H₁₈O mw: 286.39

SYN: 7-ETHOXY-12-METHYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:

ims-rat TDLo:50 mg/kg;NEO CNREA8 29,506,69

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

MJX100 CAS: 81862-16-0 HR: 3
N,N'-((1-((1-METHYLETHOXY)METHYL)-1,2-ETHANEDIYL) BIS(OXYSULFINYL(METHYL-IMINO)CARBONYLOXY))BIS(2-(DIMETHYL-AMINO)-2-OXO-ETHANIMIDO-THIOIC ACID, DIMETHYL ESTER

mf: C₂₀H₃₆N₆O₁₁S₄ mw: 664.86

TOXICITY DATA with REFERENCE:

orl-mus LD50:16 mg/kg USXXAM #4315026

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

MJX500 CAS: 96-17-3 HR: 2
METHYLETHYLACETALDEHYDE

mf: C₅H₁₀O mw: 86.15

SYNS: α -METHYLBUTANAL \square 2-METHYLBUTANAL \square 2-METHYL-1-BUTANAL \square α -METHYLBUTYRALDEHYDE \square 2-METHYLBUTYRALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 10/5/72
eye-rbt 500 mg/24H SEV FCTOD7 20(Suppl),739,82
skn-gpg 100%/24H MOD FCTOD7 20(Suppl),739,82
orl-rat LD50:6400 mg/kg FCTOD7 20(Suppl),739,82
ihl-rat LC50:14,000 ppm/4H UCDS** 10/5/72
orl-mus LD50:3200 mg/kg 14CYAT 2,1968,63
skn-rbt LD50:5730 mg/kg UCDS** 10/5/72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJY000 CAS: 24549-06-2 HR: 2
2-METHYL-6-ETHYL ANILINE

mf: C₉H₁₃N mw: 135.23

PROP: A liquid. Bp: 109–110° @ 15 mm. Insol in water; misc in alc and ether.

SYNS: BENZENAMINE, 2-ETHYL-6-METHYL- \square 2-ETHYL-6-METHYLANILINE \square 2-ETHYL-6-METHYL-BENZENAMINE \square 6-ETHYL-*o*-TOLUIDINE \square 2-METHYL-6-ETHYL ANILINE \square *o*-TOLUIDINE, 6-ETHYL-

TOXICITY DATA with REFERENCE:

mno-sat 8300 nmol/plate MUREAV 211,279,88
orl-rat LD50:885 mg/kg FAATDF 3,285,83

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.

MJY250 CAS: 56961-65-0 HR: 2
7-METHYL-9-ETHYLBENZ(c)ACRIDINE

mf: C₂₀H₁₇N mw: 271.38

SYN: 10-METHYL-3-ETHYL-7,8-BENZACRIDINE (FRENCH)

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

MJY500 CAS: 25057-89-0 HR: 2
**3-(1-METHYLETHYL)-1H-2,1,3-BENZOTHIAZ-
AIN-4(3H)-ONE-2,2-DIOXIDE**

mf: C₁₀H₁₂N₂O₃S mw: 240.30

PROP: Crystals or powder. Sltly sol in H₂O, C₆H₆; sol in Me₂CO, CHCl₃, and EtOH.

SYNS: BAS 351-H \square BASAGRAN \square BENDIOXIDE \square BENTAZON \square 3-ISOPROPYL-2,1,3-BENZOTHIADIAZINON-(4)-2,2-DIOXID (GERMAN) \square 3-ISOPROPYL-1H-2,1,3-BENZOTHIADIAZIN-4(3H)-ONE-2,2-DIOXIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1100 mg/kg GUCHAZ 6,36,73
skn-rat LD50:2500 mg/kg 85DPAN -,71/76
orl-dog LD50:450 mg/kg PSSCBG 3,242a,72
orl-cat LD50:500 mg/kg GUCHAZ 6,36,73
orl-rbt LD50:750 mg/kg 85DPAN -,71/76
orl-qal LD50:720 mg/kg GUCHAZ 6,36,73

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

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

MJY525 CAS: 5260-37-7 HR: 3
2-METHYL-3-ETHYLBENZOXAZOLIUM IODIDE

mf: C₁₀H₁₂NO•I mw: 289.13

SYNS: BENZOXAZOLIUM, 3-ETHYL-2-METHYL-, IODIDE \square 3-ETHYL-2-METHYLBENZOXAZOLIUM IODIDE (7CI)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#01581

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MJY550 HR: D
METHYL ETHYL CELLULOSE

PROP: White fibrous solid or powder. Disperses in water.

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

MJZ000 CAS: 2122-19-2 HR: 3
4-METHYLETHYLENETHIOUREA

mf: C₄H₈N₂S mw: 116.20

SYNS: 4-METHYL-2-IMIDAZOLIDINETHIONE \square PLTU \square PROPILENTIOUREA \square PROPYLENE THIOUREA \square PROPYLENTHIOHARNSTOFF

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 mg/kg EJMCA5 17,235,82

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

MKA000 CAS: 31218-83-4 HR: 3
**(E)-1-METHYLETHYL-3-((ETHYLAMINO)-
METHOXYPHOSPHINOTHIOYL)OXY-2-
BUTENOATE**

mf: C₁₀H₂₀NO₄PS mw: 281.34

PROP: D: 1.13 @ 20°/4°, bp: 87–89° @ 0.005 mm. Spar sol in H₂O.

SYNS: BLOTIC \square ENT 27,989 \square (3)-O-2-ISOPROPOXY-CARBONYL-1-METHYLVINYL-O-METHYL-ETHYLPHOSPHORAMIDOTHIOATE \square PROPETAMPHOS \square SAFROTIN \square SAN 52 139 I \square SANDOZ 52139 \square VEL 4283

TOXICITY DATA with REFERENCE:

orl-rat LD50:75 mg/kg 85ARAE 1,118,77
skn-rat LD50:2300 mg/kg FMCHA2 -,D256,80

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

MKA250 CAS: 64-65-3 HR: 3
3-METHYL-3-ETHYLGLUTARIMIDE

mf: C₈H₁₃NO₂ mw: 155.22

PROP: Platelets from H₂O or Me₂CO. Mp: 123.5–124°. Sol in H₂O.

SYNS: AHYPNON □ BEMEGRIDE □ 2,6-DIOXO-4-METHYL-4-ETHYLPYPERIDINE □ 4-ETHYL-4-METHYL-2,6-DIOXOPYPERIDINE □ β-ETHYL-β-METHYLGLUTARIMIDE □ 3-ETHYL-3-METHYLGLUTARIMIDE □ 4-ETHYL-4-METHYL-2,6-PIPERIDINEDIONE □ EUKRATON □ MALYSOL □ MEGIMIDE □ 4-METHYL-4-ETHYL-2,6-DIOXOPYPERIDINE □ β-METHYL-β-ETHYLGLUTARIMIDE □ MIKEDIMIDE

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:100 mg/kg:CNS LANCAO 2,967,56
orl-man TDLo:20 mg/kg:CNS LANCAO 2,967,56
ipr-rat LD50:24 mg/kg AIPTAK 135,9,62
scu-rat LD50:31 mg/kg JPPMAB 13,244,61
ivn-rat LD50:16 mg/kg AIPTAK 135,9,62
orl-mus LD50:41 mg/kg JPETAB 128,176,60
ipr-mus LD50:25 mg/kg JPETAB 128,176,60
scu-mus LD50:27 mg/kg JPETAB 128,176,60
ivn-mus LD50:16 mg/kg AIPTAK 135,9,62
ims-mus LD50:33 mg/kg NIIRDN 6,763,82
par-mus LD50:32 mg/kg ARZNAD 6,583,56
ivn-rbt LD50:23 mg/kg AIPTAK 135,9,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, intramuscular, subcutaneous, and parenteral routes. Human systemic effects by ingestion: wakefulness, hallucinations, distorted perceptions, toxic psychosis. An analeptic, central nervous system stimulant; used to counteract barbiturate poisoning. When heated to decomposition it emits toxic fumes of NO_x.

MKA270 CAS: 79-94-7 HR: 2
4,4'-(1-METHYLETHYLIDENE)BIS(2,6-DIBROMOPHENOL)

mf: C₁₅H₁₂Br₂O₂ mw: 543.91

SYNS: BA 59 □ BROMDIAN □ FG 2000 □ FIRE GUARD 2000 □ FIREMASTER BP 4A □ GREAT LAKES BA-59P □ PHENOL, 4,4'-(1-METHYLETHYLIDENE)BIS(2,6-DIBROMO- □ SAYTEX RB 100PC □ SAYTEX 111 □ TETRABROMOBISPHENOL A □ 2,2',6,6'-TETRABROMOBISPHENOL A □ 3,3',5,5'-TETRABROMO-BISPHENOL A □ 3,5,3',5'-TETRABROMOBISPHENOL A □ TETRABROMODIAN □ TETRABROMODIPHENYLOPROPANE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg NTIS** OTS0525426
ihl-rat LC :>10,920 mg/m³/4H NTIS** OTS0525426
ihl-mus LC :>500 mg/m³/8H NTIS** OTS0525426
skn-rbt LD :>3160 mg/kg NTIS** OTS0525426
ihl-gpg LD :>500 mg/m³/8H NTIS** OTS0525426

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by inhalation and skin contact. Experimental reproductive effects. An eye irritant. When heated to decomposition it emits toxic vapors of Br⁻.

MKA300 CAS: 28846-43-7 HR: 3
9-(3'-METHYL-4'-ETHYLIDENETHIOSEMI-CARBAZIDO)ACRIDINE

mf: C₁₇H₁₆N₄S mw: 308.43

SYN: ACETALDEHYDE, 4-(9-ACRIDINYL)-2-METHYL-3-THIOSEMICARBAZONE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:20 mg/kg USXXAM #3712943

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

MKA400 CAS: 78-93-3 HR: 3
METHYL ETHYL KETONE

DOT: UN 1193

mf: C₄H₈O mw: 72.12
CH₃CO•CH₂CH₃

PROP: Colorless liquid; acetone-like odor. Fp: -85.9°, bp: 79.57°, lel: 1.8%, uel: 11.5%, flash p: 22°F (TOC), d: 0.80615 @ 20°/20°, vap press: 71.2 mm @ 20°, autoign temp: 960°F, vap d: 2.42, ULC: 85–90. Misc with alc, ether, fixed oils, and water. IDLH 3000 ppm.

SYNS: AETHYLMETHYLKETON (GERMAN) □ BUTANONE 2 (FRENCH) □ 2-BUTANONE (OSHA) □ ETHYL METHYL CETONE (FRENCH) □ ETHYLMETHYLKETON (DUTCH) □ ETHYL METHYL KETONE (DOT) □ FEMA No. 2170 □ MEK □ METHYL ACETONE (DOT) □ METILETILCHETONE (ITALIAN) □ METYLOETYLKETON (POLISH) □ RCRA WASTE NUMBER U159

TOXICITY DATA with REFERENCE:

eye-hmn 350 ppm JIHTAB 25,282,43
skn-rbt 500 mg/24H MOD JIHTAB 25,282,43
skn-rbt 402 mg/24H MLD TXAPA9 19,276,71
skn-rbt 13,780 µg/24H open MLD AIHAAP 23,95,62
eye-rbt 80 mg TXAPA9 19,276,71
sln-smc 33,800 ppm MUREAV 149,339,85
ihl-hmn TCLo:100 ppm/5M:IRR JIHTAB 25,282,43
orl-rat LD50:2737 mg/kg TXAPA9 19,699,71
ihl-rat LC50:23,500 mg/m³/8H AIHAAP 20,364,59
ipr-rat LD50:607 mg/kg ENVRAL 40,411,86
orl-mus LD50:4050 mg/kg TOLED5 30,13,86
ihl-mus LC50:40 g/m³/2H 85GMAT -,83,82
ipr-mus LD50:616 mg/kg SCCUR* -,6,61
skn-rbt LD50:6480 mg/kg SCCUR* MSDS-5390-4
ipr-gpg LDLo:2 g/kg FCXAV 15,627,77
ihl-uns LC50:38 g/m³ GISAAA 51(5),61,86
ihl-rat TCLo:5000 ppm/6H/90D-I FAATDF 3,264,83

CONSENSUS REPORTS: Community Right-To-Know List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 200 ppm; STEL 300 ppm

ACGIH TLV: TWA 200 ppm; STEL 300 ppm; BEI: 2 mg(MEK)/L in urine at end of shift

DFG MAK: 200 ppm (600 mg/m³)

NIOSH REL: (Ketones) TWA 590 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, and intraperitoneal routes. Human systemic effects by inhalation: conjunctiva irritation and unspecified effects on the nose and respiratory system. An experimental teratogen. A strong irritant. Human eye irritation @ 350 ppm. Affects peripheral nervous system and central nervous system. See also KETONES. Highly flammable liquid. Reaction with hydrogen peroxide + nitric acid forms a heat- and shock-sensitive explosive product. Ignition on contact with potassium tert-butoxide. Mixture with 2-propanol will produce explosive peroxides during storage. Vigorous reaction with chloroform +

alkali. Incompatible with chlorosulfonic acid, oleum. To fight fire, use alcohol foam, CO₂, dry chemical. Used in production of drugs of abuse. When heated to decomposition it emits acrid smoke and fumes.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #16 or NIOSH: 2-Butanone, 2500.

MKA500 CAS: 1338-23-4 HR: 3

METHYL ETHYL KETONE PEROXIDE

mf: C₈H₁₆O₄ mw: 176.24

PROP: Colorless liquid.

SYNS: BUTANOX LPT □ BUTANOX M 50 □ BUTANOX M 105 □ CADOX □ CHALOXYD MEKP-HA 1 □ CHALOXYD MEKP-LA 1 □ ESPERFOAM FR □ ETHYL METHYL KETONE PEROXIDE □ FR 222 □ HI-POINT 90 □ HI-POINT 180 □ HI-POINT PD-1 □ KETONOX □ LUCIDOL DELTAX □ LUPERSOL □ LUPERSOL DDA 30 □ LUPERSOL DDM □ LUPERSOL Δ-X □ LUPERSOL DNF □ LUPERSOL DSW □ MEK PEROXIDE □ MEKP (OSHA) □ METHYL ETHYL KETONE HYDROPEROXIDE □ METHYL ETHYL KETONE PEROXIDE, in solution with >9% by weight active oxygen (DOT) □ METHYLETHYLKETONHYDROPEROXIDE □ NCI-C55447 □ PERMEK N □ QUICKSET EXTRA □ QUICKSET SUPER □ RCRA WASTE NUMBER U160 □ SPRAYSET MEKP □ THERMACURE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg AIHAAP 19,205,58
eye-rbt 3 mg AIHAAP 19,205,58
orl-hmn TDL_o:480 mg/kg;GIT NCPBBY Jan/Feb,69
orl-rat LD50:484 mg/kg AIHAAP 19,205,58
ihl-rat LC50:200 ppm/4H AIHAAP 19,205,58
ipr-rat LD50:65 mg/kg AIHAAP 19,205,58
orl-mus LD50:470 mg/kg JAMAAP 165,201,57
ihl-mus LC50:170 ppm/4H AIHAAP 19,205,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: CL 0.7 ppm

ACGIH TLV: CL 0.2 ppm

DFG MAK: Organic Peroxide, moderate skin irritant

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and inhalation. Human systemic effects by ingestion: changes in structure or function of esophagus, nausea or vomiting, other gastrointestinal effects. A moderate skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. A shock-sensitive explosive. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES and PEROXIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Methyl Ethyl Ketone Peroxide, 3508.

MKA750 CAS: 624-46-4 HR: 3

METHYL ETHYL KETONE SEMICARBAZONE

mf: C₅H₁₁N₃O mw: 129.19

SYN: 2-BUTANONE, SEMICARBAZONE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:250 mg/kg CBCCT* 9,129,57
ivn-mus LD50:180 mg/kg CSLNX* NX#05085

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MKB000 CAS: 10595-95-6 HR: 3

N,N-METHYLETHYLNITROSAMINE

mf: C₃H₈N₂O mw: 88.13

PROP: Yellow liquid. Bp: 67° @ 40 mm.

SYNS: ETHYLMETHYLNITROSAMINE □ METHYLAETHYL-NITROSAMIN (GERMAN) □ METHYLETHYLNITROSAMINE □ N-METHYL-N-NITROSO-ETHAMINE □ N-METHYL-N-NITROSOETHYLAMINE □ NEMA □ N-NITROSOETHYL-METHYLAMINE □ N-NITROSOMETHYLETHYLAMINE (MAK) □ NMEA

TOXICITY DATA with REFERENCE:

mma-sat 500 µg/plate CRNGDP 5,1091.84
pic-esc 100 mg/L TCMUE9 1,91,84
orl-rat TD:420 mg/kg/71W-C.ETA,REP ZEKBAI 69,103,67
orl-rat LD50:90 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 17,221,78. EPA Genetic Toxicology Program.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

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

MKB250 CAS: 50-12-4 HR: 3

3-METHYL-5-ETHYL-5-PHENYLHYDANTOIN

mf: C₁₂H₁₄N₂O₂ mw: 218.28

SYNS: EPILAN □ 5-ETHYL-3-METHYL-5-PHENYLHYDANTOIN □ 5-ETHYL-3-METHYL-5-PHENYL-2,4(3H,5H)-IMIDAZOLEDIONE □ 5-ETHYL-3-METHYL-5-PHENYLIMIDAZOLIDIN-2,4-DIONE □ 3-ETHYLNIRVANOL □ GEROT-EPILAN □ INSULTON □ MEPHENYTOIN □ MESANTOIN □ METHOIN □ METHYL HYDANTOIN □ 3-METHYL-5,5-PHENYLETHYLHYDANTOIN □ NSC-34652 □ PHENANTOIN □ PHENYLETHYLMETHYLHYDANTOIN □ SACERNO □ SEDANTOIN □ TRIANTOIN

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 1 mg/L AJOGAH 116,867,73
orl-wmn TDL_o:1100 mg/kg;CNS,BLD,MSK JAMAAP 138,498,49
orl-rat LD50:850 mg/kg 27ZQAG -,263,72
ipr-rat LDLo:270 mg/kg MEIEDD 11,919,89
orl-mus LD50:440 mg/kg CKFRAY 4,333,55
ipr-mus LD50:317 mg/kg AIPTAK 156,261,65
orl-cat LD50:190 mg/kg 27ZQAG -,263,72
orl-rbt LD50:430 mg/kg 27ZIAQ -,151,73
orl-gpg LD50:380 mg/kg 27ZQAG -,263,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: somnolence, hemorrhage, changes in teeth and supporting structures. Human mutation data reported. An experimental teratogen. An FDA proprietary drug used as an anticonvulsant. When heated to decomposition it emits toxic fumes of NO_x.

MKB300 CAS: 296269-56-2 HR: 3

α-(5-(1-METHYLETHYL)-1-PHENYL-1H-

TOXICITY DATA with REFERENCE:

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

MKB320 CAS: 37902-85-5 HR: 3
METHYL 3-((ETHYL(PROPYLAMINO)PHOS-
PHINOTHIOYL)OXY)-2-BUTENOATE

SYNS: 2-BUTENOIC ACID, 3-((ETHYL(PROPYLAMINO)-PHOSPHORINTHIOYL)OXY)-, METHYL ESTER □ 2-CARBOMETHOXY-1-METHYLVINYL-N-PROPYL ETHYLPHOSPHONAMIDOTHIATE

TOXICITY DATA with REFERENCE:

skn-rbt LD50:12100 µg/kg NTIS** OTS0543899

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

MKB500 CAS: 14551-09-8 HR: 2
N-METHYL-N-ETHYL-4-(4'-(PYRIDYL-1'-OXIDE)-
AZO)ANILINE

SYN: 4-((((4-ETHYL-4-METHYL)AMINO)PHENYL)AZO)-PYRIDINE 1-OXIDE

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

MKB750 **CAS: 72-33-3** **HR: 3**
3-METHYLETHYNYLESTRADIOL

PROP: Crystals from Me₂CO. Mp: 150–151°.

SYNS: COMPOUND 33355 □ DELTA-MVE □ ETHINYLOESTRADIOL-3-METHYL ETHER □ 17- α -ETHINYLOESTRADIOL-3-METHYL ETHER □ ETHINYLOESTRADIOL-3-METHYL ETHER □ 17- α -ETHINYLOESTRADIOL-3-METHYL ETHER □ ETHINYLOESTRADIOL-3-METHYL ETHER □ 17-ETHINYLOESTRADIOL-3-METHYL ETHER □ 17- α -ETHINYLOESTRADIOL-3-METHYL ETHER □ (+)-17- α -ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE □ (+)-17- α -ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE □ 17-ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE-17- β -OL □ 17- α -ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE-17- β -OL □ 17- α -ETHINYLOESTRADIOL-3-METHOXY-17- β -HYDROXY- Δ -1,3,5(10)-ESTRADIENE □ 17- α -ETHINYLOESTRADIOL-3-METHOXY-17- β -HYDROXY- Δ -1,3,5(10)-ESTRADIENE □ 17-ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE-17- β -OL □ ETHINYLOESTRADIOL-3-METHYL ETHER □ 17- α -ETHINYLOESTRADIOL-3-METHYL ETHER □ 17- α -ETHINYLOESTRADIOL-3-METHYL ETHER □ MESTRANOL □ MESTRENOL □ 3-METHOXY-17- α -ETHINYLOESTRADIOL-3-METHOXY-17- α -ETHINYLOESTRADIOL □ 3-METHOXY-17- α -ETHINYLOESTRADIOL □ 3-METHOXYETHINYLOESTRADIOL □ 3-METHOXY-17- α -ETHINYLOESTRADIOL □ 3-METHOXY-17- α -ETHINYLOESTRADIOL-3-METHOXY-1,3,5(10)-ESTRADIENE-17- β -OL □ 3-METHOXY-ETHINYLOESTRADIOL-17- β □ 3-METHOXY-17- α -ETHINYLOESTRADIOL-1,3,5(10)-ESTRADIENE-17- β -OL □ 3-METHOXY-17- α -19-NORPREGNA-

K,3,5(10)-TRIEN-20-YN-17-OL □ 3-METHOXY-19-NOR-17- α -
PREGNA-1,3,5(10)-TRIEN-10-YN-17-OL □ (17- α)-3-METHOXY-19-
NORPREGNA-1,3,5(10)-TRIEN-20-YN-17-OL □ 3-
METHYLETHYNYLOESTRADIOL

TOXICITY DATA with REFERENCE:

scu-mus LD50:2500 mg/kg OYYAA2 4,217,70

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Human Limited Evidence IMEMDT 21,257.79; Animal Sufficient Evidence IMEMDT 6.87.74; IMEMDT 21,257.79.

SAFETY PROFILE: Confirmed carcinogen with experimental neoplastic, tumorigenic, and teratogenic data. Moderately toxic by subcutaneous route. Human reproductive effects by ingestion: changes in ovaries and fallopian tubes, fertility effects. Experimental reproductive effects. Mutation data reported. An FDA proprietary drug. A steroid used in oral contraceptives. When heated to decomposition it emits acrid smoke and irritating fumes.

MKC000 **CAS: 26509-45-5** **HR: 2**
METHYL EUGENOL GLYCOL

TOXICITY DATA with REFERENCE:

ivn-mus LD50:880 mg/kg AIPTAK 199,226,72

SAFETY PROFILE: Moderately toxic by intraperitoneal and intravenous routes. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALLYL COMPOUNDS.

MKC250 **CAS: 3344-14-7** **HR: 3**
S-METHYL FENITROOXON

SYNS: ISOSUMITHION □ METATHION, S-METHYL ISOMER □
S-METHYL FENITROTHION □ SUMITHION S-ISOMER □
THIOPHOSPHATE de O,S-DIMETHYL et de O-(3-METHYL-4-NITROPHENYLE) (FRENCH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:315 mg/kg PCBPBS 6,280,76

ipr-mus LD50:54 mg/kg NNGADV 3,35,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x, PO_x, and NO_x.

MKC500 **CAS: 33543-31-6** **HR: 2**
2-METHYLFLUORANTHENE

TOXICITY DATA with REFERENCE:

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 32,399,83.

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

MKC750 CAS: 1706-01-0 HR: 2

3-METHYLFLUORANTHENEmf: C₁₇H₁₂ mw: 216.29**TOXICITY DATA with REFERENCE:**

mma-sat 10 µg/plate CRNGDP 3,841,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 32,399,83.**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MKC775 CAS: 20485-57-8 HR: D
8-METHYLFLUORANTHENE**mf: C₁₇H₁₂ mw: 216.29**SYN:** FLUORANTHENE, 8-METHYL-**TOXICITY DATA with REFERENCE:**

msc-hmn-lym 2500 µg/ MUREAV 371,123,1996

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**MKC800 CAS: 2523-37-7 HR: D
9-METHYLFLUORENE**mf: C₁₄H₁₂ mw: 180.26**SYNS:** FLUORENE, 9-METHYL- □ 9H-FLUORENE, 9-METHYL-**TOXICITY DATA with REFERENCE:**

mmo-sat 10 µg/plate MUREAV 91,167,81

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**MKD000 CAS: 453-18-9 HR: 3
METHYL FLUOROACETATE**mf: C₃H₅FO₂ mw: 92.08**PROP:** A liquid. D: 1.161 @ 15°, bp: 104.5°. Sol in H₂O; sltly sol in pet ether.**SYNS:** FLUOROACETIC ACID METHYL ESTER □ MFA**TOXICITY DATA with REFERENCE:**

orl-man TDLo:650 µg/kg:GIT NTIS** PB158-508

orl-rat LD50:3500 µg/kg NTIS** PB158-508

ihl-rat LC50:300 mg/m³/10M NATUAS 160,179,47

scu-rat LD50:5 mg/kg JPETAB 87,90,46

ims-rat LD50:2500 µg/kg NATUAS 160,179,47

orl-mus LD50:5 mg/kg NTIS** PB158-508

ihl-mus LC50:3200 mg/m³/10M NATUAS 160,179,47

ipr-mus LD50:7500 µg/kg JOCEAH 21,883,56

scu-mus LD50:5 mg/kg NATUAS 160,179,47

ivn-mus LD50:17 mg/kg NTIS** PB158-508

par-mus LD50:15 mg/kg JCSOA9 -,1471,49

orl-dog LD50:100 µg/kg NTIS** PB158-508

ihl-dog LC50:25 mg/m³/10M NTIS** PB158-508

skn-rbt LD50:20 mg/kg JCSOA9 -,1773,48

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, subcutaneous, intramuscular, intraperitoneal, parenteral, and intravenous routes. Human systemic effects by ingestion of very small amounts: nausea or vomiting. When heated to decomposition it emits toxic fumes of F⁻. See also ESTERS and FLUORIDES.**MKD250 CAS: 482-41-7 HR: 2****7-METHYL-9-FLUOROBENZ(c)ACRIDINE**mf: C₁₈H₁₂FN mw: 261.31**SYN:** 3-FLUORO-10-METHYL-7,8-BENZACRIDINE (FRENCH)**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**MKD500 CAS: 439-25-8 HR: 2
7-METHYL-11-FLUOROBENZ(c)ACRIDINE**mf: C₁₈H₁₂FN mw: 261.31**SYN:** 1-FLUORO-10-METHYL-7,8-BENZACRIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**MKD750 CAS: 436-30-6 HR: 2
10-METHYL-3-FLUORO-5,6-BENZACRIDINE**mf: C₁₈H₁₂FN mw: 261.31**SYNS:** 3-FLUORO-10-METHYL-5,6-BENZACRIDINE □ 10-FLUORO-12-METHYLBENZ(a)ACRIDINE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**MKD800 CAS: 57933-19-4 HR: 3
8-METHYL-2-(γ-(p-FLUOROBENZOYL)PROP-
YL)-2,3,4,4A,5,9B-HEXAHYDRO-1H-PYRIDO-
(3,4-B)INDOLE 2HCL**mf: C₂₂H₂₅FN₂O•2ClH mw: 425.41**SYN:** 1-BUTANONE, 1-(4-FLUOROPHENYL)-4-(1,3,4,4A,5,9B-HEXAHYDRO-8-METHYL-2H-PYRIDO(4,3-B)INDOL-2-YL)-, DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:812 mg/kg USXXAM #3983239

ipr-rat LD50:146 mg/kg USXXAM #3983239

scu-rat LD50:592 mg/kg USXXAM #3983239

ivn-rat LD50:51 mg/kg USXXAM #3983239

orl-mus LD50:339 mg/kg USXXAM #3983239

ipr-mus LD50:95 mg/kg USXXAM #3983239

scu-mus LD50:373 mg/kg USXXAM #3983239

ivn-mus LD50:59 mg/kg USXXAM #3983239

SAFETY PROFILE: A poison by intraperitoneal, intravenous, and subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, F⁻, HCl, and Cl⁻.**MKE000 CAS: 406-20-2 HR: 3
METHYL-4-FLUOROBUTYRATE**mf: C₅H₉FO₂ mw: 120.14**SYNS:** 4-FLUOROBUTYRIC ACID METHYL ESTER □

METHYLESTER KYSELINY 4-FLUORMASELINE □ METHYL-γ-FLUOROBUTYRATE □ METHYL-α-FLUOROBUTYRATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:25 mg/kg NCNSA6 5,17,53

ihl-rat LC50:350 mg/m³/10M NTIS** PB158-508ihl-mus LC50:120 mg/m³/10M NTIS** PB158-508

scu-mus LDLo:1 mg/kg 11FYAN 3,78,63

ihl-dog LC50:50 mg/m³/10M NTIS** PB158-508ihl-mky LC50:500 mg/m³/10M NTIS** PB158-508

ivn-mky LDLo:3 mg/kg PAREAQ 1,383,49

ivn-cat LD50:200 µg/kg PAREAQ 1,383,49

SAFETY PROFILE: Poison by ingestion, inhalation, intravenous, and subcutaneous routes. When heated to decomposition it emits toxic fumes of F^- .

MKE250 CAS: 2367-25-1 HR: 3
METHYL- γ -FLUOROCROTONATE

mf: $C_5H_7FO_2$ mw: 118.12

SYNS: 4-FLUORO-CROTONIC ACID METHYL ESTER \square TL 1183

TOXICITY DATA with REFERENCE:

ihl-mus LC50:89 mg/ m^3 /10M NTIS** PB158-508

ihl-gpg LC50:150 mg/ m^3 /10M NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits toxic fumes of F^- .

MKE750 CAS: 63904-99-4 HR: 3
METHYL- γ -FLUORO- β -HYDROXYBUTYRATE

mf: $C_5H_9FO_3$ mw: 136.14

SYNS: γ -FLUORO- β -HYDROXY-BUTYRIC ACID METHYL ESTER \square TL 1333

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1 mg/kg NCNSA6 5,21,53

ihl-mus LD50:23 mg/ m^3 /10M NTIS** PB158-508

ihl-mky LC50:200 mg/ m^3 /10M NTIS** PB158-508

ihl-cat LC50:100 mg/ m^3 /10M NTIS** PB158-508

SAFETY PROFILE: Poison by ingestion and inhalation. When heated to decomposition it emits toxic fumes of F^- . See also ESTERS.

MKF000 CAS: 63732-23-0 HR: 3
METHYL- γ -FLUORO- β -HYDROXYTHIOL-BUTYRATE

mf: $C_5H_9FO_2S$ mw: 152.20

SYN: 4-FLUORO-3-HYDROXY-BUTANETHIOIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

ihl-dog LC50:63 mg/ m^3 /10M NTIS** PB158-508

ihl-mky LC50:200 mg/ m^3 /10M NTIS** PB158-508

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits very toxic fumes of SO_x and F^- .

MKF250 CAS: 184-20-5 HR: 3
METHYL-FLUORO-PHOSPHORYLCHOLINE

mf: $C_6H_{16}FNO_2P$ mw: 184.20

SYNS: CHOLINE, INNER SALT, METHYLPHOSPHONO-FLUORIDATE \square METHYLFLUORPHOSPHORSAEURE-CHOLINESTER (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:100 μ g/kg AIPTAK 115(4),474,58

ipr-rbt LD50:10 μ g/kg DEGEA3 15,2179,60

ivn-rbt LD50:10 μ g/kg AIPTAK 115(4),474,58

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of PO_x , NO_x , and F^- .

MKG250 CAS: 421-20-5 HR: 3
METHYL FLUOROSULFATE

mf: CH_3FO_3S mw: 114.10

PROP: Volatile colorless liquid; ethereal odor; rapidly hydrol. Bp: 92°, d: 1.427 @ 16°, vap d: 3.94. Sol in most org solvs.

SYNS: MAGIC METHYL \square METHYL ESTER

FLUOROSULFURIC ACID \square METHYL FLUOROSULFONATE \square METHYL FLUORSULFONATE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/4 sec rns SEV AIHAAP 40,600,79

mno-sat 4 μ g/plate MUREAV 51,285,78

ihl-rat LC50:5 ppm/1H AIHAAP 40,600,79

orl-mus LD50:112 mg/kg AIHAAP 40,600,79

skn-rbt LDLo:455 mg/kg AIHAAP 40,600,79

SAFETY PROFILE: Poison by inhalation and ingestion. Moderately toxic by skin contact. A skin, mucous membrane, and severe eye irritant. Mutation data reported. Reacts with water, steam, or acids to produce toxic and corrosive fumes. When heated to decomposition it emits toxic fumes of F^- and SO_x .

MKG275 CAS: 70114-87-3 HR: D
x-METHYLFOLIC ACID

mf: $C_{20}H_{21}N_7O_5$ mw: 439.48

SYNS: ACIDE x-METHYLFOLIQUE (FRENCH) \square x-METHYLPTEROYLGLUTAMIC ACID

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x .

MKG500 CAS: 123-39-7 HR: 2
N-METHYLFORMAMIDE

mf: C_2H_5NO mw: 59.08

PROP: Bp: 180–185°, flash p: <71.6°F, d: 1.01 @ 19°. Sol in H_2O and EtOH; insol in Et_2O .

SYNS: METHYLFORMAMIDE \square MONOMETHYLFORMAMIDE \square NSC-3051

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg TXAPA9 39,129,77

orl-rat LD50:4000 mg/kg JRPPA4 4,219,62

ipr-rat LD50:3500 mg/kg JRPPA4 4,219,62

orl-mus LD50:2600 mg/kg TXCYAC 34,173,85

ipr-mus LD50:802 mg/kg NCISP* JAN86

scu-mus LD50:3100 mg/kg DABBBA 40,549,79

ivn-mus LD50:1580 mg/kg TXCYAC 34,173,85

ims-mus LD50:2700 mg/kg TXCYAC 34,173,85

ivn-dog LD10:1262 mg/kg NTIS** PB82-232158

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

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, intravenous, intramuscular, and subcutaneous routes. An experimental teratogen. Experimental reproductive effects. An eye irritant. A very dangerous fire hazard when exposed to heat or flame. Violent reaction with benzene sulfonyl chloride. When heated to decomposition it emits toxic fumes of NO_x .

MKG750 CAS: 107-31-3 HR: 3
METHYL FORMATE

DOT: UN 1243

mf: $C_2H_4O_2$ mw: 60.06

PROP: Colorless liquid; agreeable odor. Mp: -99.8°, bp: 31.5°, lel: 5.9%, uel: 20%, flash p: -2.2°F, d: 0.98149 @ 15°/4°, 0.975 @ 20°/4°, autoign temp: 869°F, vap press:

400 mm @ 16°/0°, vap d: 2.07. Solidifies at about 100°. Moderately sol in water, methyl alcohol; misc in alc. IDLH 4500 ppm.

SYNS: FORMIATE de METHYLE (FRENCH) □ METHYLE (FORMIATE de) (FRENCH) □ METHYLFORMIAT (DUTCH) □ METHYLFORMIAT (GERMAN) □ METHYL METHANOATE □ METIL (FORMIATO di) (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-rbt LD50:1622 mg/kg IMSUAI 41,31,72
ihl-gpg LCLo:10,000 ppm 14CYAT -,1855,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 100 ppm; STEL 150 ppm

ACGIH TLV: TWA 100 ppm; STEL 150 ppm

DFG MAK: 50 ppm (120 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion. Inhalation of vapor can cause irritation to nasal passages and conjunctiva, optic neuritis, narcosis, retching, and death from pulmonary irritation. Industrial fatalities have occurred only with exposure to high concentrations. Flammable liquid. Very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. Reacts with methanol + sodium methoxide to form an explosive product. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MKG800 CAS: 4750-57-6 HR: D
1-METHYL-2-FORMYL-5-NITROIMIDAZOLE

mf: C₅H₅N₃O₃ mw: 155.13

SYNS: L 12375 □ IMIDAZOLE-2-CARBOXALDEHYDE, 1-METHYL-5-NITRO- □ 1-METHYL-5-NITRO-IMIDAZOLE-2-CARBOXALDEHYDE □ ZK 28943

TOXICITY DATA with REFERENCE:

mic-sat 58 µmol/L TCMUD8 3,51,1983

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

MKH000 CAS: 534-22-5 HR: 3
2-METHYLFURAN

DOT: UN 2301

mf: C₅H₆O mw: 82.11

PROP: Colorless, mobile liquid; ether-like odor. Bp: 63.7°, fp: -88.7°, flash p: -22°F, d: 0.827 @ 20°/4°, vap press: 139 mm @ 20°, vap d: 2.8. Sltly sol in water.

SYNS: METHYLFURAN □ SILVAN (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,787,86
cyt-ham:ovr 75,300 µmol/L CALEDQ 13,89,81
orl-rat LD50:167 mg/kg 28ZPAK -,138,72
ihl-rat LC50:500 ppm/4H AIHAAP 50,A359,89
scu-rat LC50:10 g/m³/2H 85GMAT -,84,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation. An eye irritant. Mutation data reported. Very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing

materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS for explosion hazard.

MKH250 CAS: 591-12-8 HR: 2
5-METHYL-2(3H)-FURANONE

mf: C₅H₆O₂ mw: 98.11

SYNS: ANGELICA LACTONE □ β,γ-ANGELICA LACTONE □ Δ²-ANGELICA LACTONE □ 4-HYDROXPENT-3-ENOIC ACID LACTONE □ γ-METHYL-β,γ-CROTONOLACTONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2800 mg/kg DCTODJ 3,249,80

ipr-mus LD50:3000 mg/kg APTOA6 2,109,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKH500 CAS: 591-11-7 HR: 2
5-METHYL-2(5H)-FURANONE

mf: C₅H₆O₂ mw: 98.11

SYNS: β-ANGELICA LACTONE □ Δ¹-ANGELICA LACTONE □ 4-HYDROXY-2-PENTENOIC ACID γ-LACTONE □ γ-METHYL-α,β-CROTONOLACTONE

TOXICITY DATA with REFERENCE:

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

orl-cat LDLo:500 mg/kg JPETAB 36,355,29

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

MKH550 CAS: 620-02-0 HR: 2
5-METHYL FURFURAL

mf: C₆H₆O₂ mw: 110.12

SYNS: 2-FORMYL-5-METHYLFURAN □ 2-FURALDEHYDE, 5-METHYL- □ 5-METHYL-2-FURALDEHYDE □ 5-METHYL-2-FURANCARBOXALDEHYDE □ 5-METHYL-2-FURFURAL □ 5-METHYLFURFURALDEHYDE

TOXICITY DATA with REFERENCE:

dnr-bcs 55 µg/disc DFSCDX 13,353,86

cyt-ham:ovr 37,700 µmol/L CALEDQ 13,89,81

orl-rat LD50:2200 mg/kg FCTOD7 20,751,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKH600 CAS: 611-13-2 HR: 3
METHYL FUROATE

mf: C₆H₆O₃ mw: 126.12

PROP: Mp: 164°, bp: 181°, d: 1.179.

SYNS: FURAN-α-CARBOXYLIC ACID METHYL ESTER □ 2-FUROIC ACID, METHYL ESTER □ METHYL 2-FURANCARBOXYLATE □ METHYL 2-FUROATE □ METHYL PYROMUCATE □ PYROMUCIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

2450 MKH750 5-(5-METHYL-2-FURYL)-1-PHENYL-3-(2(PIPERIDINO)ETHYL)-

skn-rbt 500 mg/24H MOD FCTXAV 17,869,79

ipr-rat LDLo:75 mg/kg JPETAB 58,174,36

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. A skin irritant and lachrymator. When heated to decomposition it emits acrid smoke and irritating fumes.

MKH750 CAS: 102129-33-9 HR: 3
5-(5-METHYL-2-FURYL)-1-PHENYL-3-(2(PIPERIDINO)ETHYL)-1H-PYRAZOLINE HYDROCHLORIDE

mf: C₂₁H₂₇N₅O•ClH mw: 373.97

SYN: 1-PHENYL-3-(β-PIPERIDINO-AETHYL)-5-(α'-METHYL-α)-FURYL-PYRAZOLIN-HCL (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:108 mg/kg ARZNAD 10,925,60

scu-mus LD50:263 mg/kg ARZNAD 10,925,60

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

MKI000 CAS: 31959-87-2 HR: 2
METHYL GAG

PROP: Crystals from Me₂CO. Mp: 256–257° (decomp).

SYNS: 1,1'-

(METHYLETHANEDILIDENEDINITRILIO)BIGUANIDINE DIHYDROCHLORIDE DIHYDRATE □ NSC-32946

TOXICITY DATA with REFERENCE:

skn-rbt 5 mg/24H rms TXYAC 14,117,79

skn-rbt 1%/24H MLD NTIS** PB-269-596

orl-rat TDLo:3900 mg/kg/1Y-I:NEO,REP JNCIAM 41,985,68

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

MKI100 CAS: 99-24-1 HR: 2
METHYL GALLATE

mf: C₈H₈O₅ mw: 184.16

PROP: Monoclinic prisms from methanol, often hydrated or solvated. When dry: mp: 157°. Sol in hot water, alc, methanol, ether.

SYN: METHYL 3,4,5-TRIHYDROXYBENZOATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1700 mg/kg 85GDA2 8(2),286,82

ipr-mus LD50:784 mg/kg 85GDA2 8(2),286,82

ivn-mus LD50:470 mg/kg 85GDA2 8(2),286,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and intravenous routes. An antioxidant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

MKI125 CAS: 13225-10-0 HR: 3
α-METHYLGLUCOSIDE TETRANITRATE

mf: C₇H₁₀N₄O₁₄ mw: 374.21

SYN: α-D-GLUCOPYRANOSIDE, METHYL-, TETRANITRATE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden for transport. When heated to decomposition it emits toxic vapors of NO_x.

MKI250 CAS: 6280-15-5 HR: 3
3-METHYL GLUTARALDEHYDE

mf: C₆H₁₀O₂ mw: 114.16

PROP: Bp: 82–84° @ 14 mm.

SYN: 3-METHYL PENTANEDIAL

TOXICITY DATA with REFERENCE:

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

eye-rbt 250 µg SEV AMIHBC 10,61,54

orl-rat LD50:780 mg/kg AMIHBC 10,61,54

skn-rbt LD50:300 mg/kg AMIHBC 10,61,54

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion. A severe skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

MKI300 CAS: 84002-64-2 HR: 3
α-METHYLGLYCEROL TRINITRATE

mf: C₄H₇N₃O₉ mw: 241.14

SYN: 1,2,3-BUTANETRIOL, TRINITRATE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits toxic vapors of NO_x.

MKI550 CAS: 922-68-9 HR: 1
METHYL GLYOXYLATE

mf: C₃H₄O₃ mw: 88.07

SYNS: ACETIC ACID, OXO-, METHYL ESTER □ GLYOXYLIC ACID, METHYL ESTER □ METHYL OXOETHANOATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD JACTDZ 1,9,90

eye-rbt 10 mg/20S RNS MOD JACTDZ 1,9,90

orl-rat LDLo:5 g/kg JACTDZ 1,9,90

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

MKI750 CAS: 471-29-4 HR: 3
METHYLGUANIDINE

mf: C₂H₇N₃ mw: 73.10

PROP: Colorless, solid, deliquescent, strongly alkaline mass. Mp: decomp. Very sol in water; sol in alc.

SYNS: METHYLGUANIDIN (GERMAN) □ MONOMETHYL GUANIDIN (GERMAN) □ MONOMETHYLGUANIDINE

TOXICITY DATA with REFERENCE:

cyt-ham:fbr 1 g/L/48H MUREAV 48,337,77

ipr-rat LDLo:18 mg/kg AEXPBL 90,129,21

scu-rat LDLo:250 mg/kg MEIEDD 10,871,83

ipr-mus LDLo:20 mg/kg ZEPHAR 25,441,11

ivn-mus LDLo:20 mg/kg ZEPHAR 25,441,11

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MKJ000 CAS: 65272-47-1 HR: 2
METHYLGUANIDINE mixed with SODIUM
NITRITE (1:1)

SYN: SODIUM NITRITE mixed with METHYLGUANIDINE (1:1)

TOXICITY DATA with REFERENCE:

mmo-sat 80 mmol/L GANNA2 65,45,74

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Na₂O. See also SODIUM NITRITE and METHYLGUANIDINE.

MKJ250 CAS: 141-59-3 HR: 3
METHYL HEPTANETHIOL

DOT: UN 3023

mf: C₈H₁₈S mw: 146.32

PROP: Liquid. Bp: 159–166°, d: 0.848 @ 60°/60°F, vap d: 5.0, flash p: 115°F (OC). Insol in water.

SYNS: tert-OCTANETHIOL □ T-OCTYL MERCAPTAN □ tert-OCTYLMERCAPTAN □ terc.OKTANTHIOL □ 2-PENTANETHIOL, 2,4,4-TRIMETHYL- □ 2,4,4-TRIMETHYL-2-PENTANETHIOL

TOXICITY DATA with REFERENCE:

unr-rat LD50:17,800 µg/kg 85JCAE -,984,86

unr-gpg LD50:60,300 µg/kg 85JCAE -,984,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid

SAFETY PROFILE: Poison by ingestion. Irritating to eyes. A flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use foam, alcohol foam. When heated to decomposition it emits very toxic fumes of SO_x. See also MERCAPTANS.

MKJ750 CAS: 1335-09-7 HR: 1
6-METHYL-6-HEPTEN-2-OL

mf: C₈H₁₆O mw: 128.24

SYN: METHYLHEPTENOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,637,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKK000 CAS: 110-93-0 HR: 3
6-METHYL-5-HEPTEN-2-ONE

mf: C₈H₁₄O mw: 126.22

PROP: Sltly yellow liquid; citrus-lemongrass odor. D: 0.846–0.851, refr index: 1.438–1.442, mp: –67.1°, bp: 173–174°, flash p: 122°F. Insol in water; misc in alc, ether, and chloroform.

SYNS: FEMA No. 2707 □ 5-HEPTEN-2-ONE, 6-METHYL- □ METHYL HEPTENONE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 13,681,75

orl-rat LD50:3500 mg/kg FCTXAV 13,859,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. Flammable liquid when exposed to heat,

sparks, or flame. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MKK100 CAS: 106-73-0 HR: 1
METHYL n-HEPTYLATE

mf: C₈H₁₆O₂ mw: 144.24

SYNS: HEPTANOIC ACID, METHYL ESTER □ METHYL ENANTHATE □ METHYL HEPTANOATE □ METHYL HEPTOATE □ METHYL OENANTHYLATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTOD7 26,381,88

skn-rbt LD50:>5 g/kg FCTOD7 26,381,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKK250 CAS: 7535-34-4 HR: 3
6-METHYL-2-HEPTYLHYDRAZINE

mf: C₈H₂₀N₂ mw: 144.30

TOXICITY DATA with REFERENCE:

orl-rat LD50:108 mg/kg ARZNAD 12,352,62

scu-rat LD50:65 mg/kg ARZNAD 12,352,62

orl-mus LD50:152 mg/kg ARZNAD 12,352,62

scu-mus LD50:72 mg/kg ARZNAD 12,352,62

ivn-mus LD50:59 mg/kg ARZNAD 12,352,62

orl-gpg LD50:30 mg/kg ARZNAD 12,352,62

scu-gpg LD50:16 mg/kg ARZNAD 12,352,62

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

MKK500 CAS: 91336-54-8 HR: 3
6-METHYL-2-HEPTYLISOPROPYLIDEN-
HYDRAZINE

mf: C₁₁H₂₄N₂ mw: 184.37

SYNS: KR 492 □ 6-METHYL-2-HEPTYL-ISOPROPYLIDENHYDRAZIN (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:160 mg/kg ARZNAD 12,352,62

scu-mus LD50:135 mg/kg ARZNAD 12,352,62

ivn-mus LD50:72 mg/kg ARZNAD 12,352,62

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

MKK600 CAS: 11013-97-1 HR: 2
METHYLHESPERIDIN

mf: C₂₉H₃₆O₁₅ mw: 624.65

SYNS: 4H-1-BENZOPYRAN-4-ONE, 7-((6-O-(6-DEOXY-α-1-MANNOPYRANOSYL)-β-D-GLUCOPYRANOSYL)OXY)-2,3-DIHYDRO-5-HYDROXY-2-(3-HYDROXY-4-METHOXYPHENYL)-, MONOMETHYL ETHER □ MH

TOXICITY DATA with REFERENCE:

ivn-mus LD50:750 mg/kg NYKZAU 53,237S,57

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

MKK750 CAS: 360-54-3 HR: 3**METHYL HEXAFLUOROISOBUTYRATE**mf: C₅H₄F₆O₂ mw: 210.09**SYNS:** HEXAFLUOROISOBUTYRIC ACID METHYL ESTER □ METHYL-3,3,3-TRIFLUORO-2-(TRIFLUOROMETHYL)-PROPIONATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:300 mg/kg TXAPA9 14,114,69

ipr-mus LD50:17 mg/kg TXAPA9 14,114,69

ivn-mus LD50:15 mg/kg TXAPA9 14,114,69

SAFETY PROFILE: Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES.**MKK800 CAS: 127311-83-5 HR: 3****3A-METHYL-4,7-HEXAHYDROEPOXYBENZO(c)-THIOPHENE-1,3-DIONE(3a-α,4-β,7-β,7a-α)-**mf: C₉H₁₀O₃S mw: 198.25**SYN:** 4,7-EPOXYBENZO(c)THIOPHENE-1,3-DIONE HEXAHYDRO-3a-METHYL-, (3a-α,4-β,7-β,7a-α)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1300 µg/kg CRTOEC 3,318,1990

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of SO_x.**MKL250 CAS: 591-76-4 HR: 3****2-METHYLHEXANE**mf: C₇H₁₆ mw: 100.20**PROP:** Colorless liquid or oil. Fp: -118.2°, bp: 90.0°, d: 0.6789 @ 20°/4°, vap press: 40 mm @ 14.9°, vap d: 3.45, flash p: <0°F, lel: 1.0%, uel: 6.0%, autoign temp: 536°F.**SYN:** ETHYLISOBUTYLMETHANE, ISOHEPTANE**SAFETY PROFILE:** Probably mildly toxic by inhalation and ingestion. Very dangerous fire hazard when exposed to heat, sparks, or flame. Explosive in the form of vapor when exposed to heat or flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**MKL300 CAS: 13706-86-0 HR: 1****5-METHYL-2,3-HEXANEDIONE**mf: C₇H₁₂O₂ mw: 128.19**PROP:** D: 0.908 @ 22°/4°, bp: 138°.**SYNS:** ACETYLISOPENTANOYL □ ACETYL ISOVALERYL □ 2,3-HEXANEDIONE, 5-METHYL-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTOD7 20,637,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**MKL350 CAS: 597-96-6 HR: 3****3-METHYL-3-HEXANOL**mf: C₇H₁₆O mw: 116.23**SYNS:** 3-HEXANOL, 3-METHYL- □ 3-METHYL-HEXANOL-(3)**TOXICITY DATA with REFERENCE:**

orl-mus LD50:785 mg/kg ARZNAD 4,477,54

scu-mus LD50:680 mg/kg ARZNAD 5,161,55

ivn-mus LD50:56 mg/kg CSLNX* NX#04237

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits acrid smoke and irritating vapors.**MKL400 CAS: 7379-12-6 HR: 3****2-METHYL-3-HEXANONE**mf: C₇H₁₄O mw: 114.21**PROP:** Oil with peppermint odor. D: 0.809 @ 20°, bp: 135–136°, flash p: 75°F.**SYN:** 3-HEXANONE, 2-METHYL-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,287,86

eye-rbt 500 mg/24H MLD 85JCAE -,287,86

orl-rat LD50:4000 mg/kg TXAPA9 28,313,74

skn-rbt LD50:16 g/kg TXAPA9 28,313,74

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant. Flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes.**MKM250 CAS: 5166-53-0 HR: 2****5-METHYL-3-HEXEN-2-ONE**mf: C₇H₁₂O mw: 112.19**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1680 mg/kg TXAPA9 28,313,74

ihl-rat LC50:500 ppm/4H TXAPA9 28,313,74

skn-rbt LD50:450 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by inhalation, ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.**MKM300 CAS: 690-94-8 HR: 3****2-METHYL-5-HEXEN-3-YN-2-OL**mf: C₇H₁₀O mw: 110.17**SYN:** DIMETHYL(VINYL)ETHYNYLCARBINOL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:600 mg/kg 85GMAT -,60,82

orl-mus LD50:590 mg/kg 85GMAT -,60,82

ihl-mus LCLo:30 mg/m³/2H 85GMAT -,60,82

orl-rbt LD50:800 mg/kg 85GMAT -,60,82

orl-gpg LD50:600 mg/kg 85GMAT -,60,82

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**MKM500 CAS: 28292-43-5 HR: 3****5-METHYL-2-HEXYLAMINE**mf: C₇H₁₇N mw: 115.25**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:90 mg/kg JPETAB 103,325,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

MKM750 CAS: 30956-43-5 HR: 3**1-METHYLHEXYL-β-OXYBUTYRATE**mf: C₁₁H₂₂O₃ mw: 202.33

SYN: 3-HYDROXYBUTYRIC ACID-2-HEPTYL ESTER

TOXICITY DATA with REFERENCE:

ipr-rat LD50:640 mg/kg OYYAA2 3,373,69

ivn-mus LD50:120 mg/kg OYYAA2 3,373,69

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating fumes.**MKM800 CAS: 77267-50-6 HR: 3****METHYL-N-((((HEXYLOXY)SULFINYL)METHYL-AMINO)CARBONYLOXY)ETHANIMIDOTHIOATE**mf: C₁₁H₂₂N₂O₄S₂ mw: 310.47

SYNS: ETHANIMIDOTHIOIC ACID, N-((((HEXYLOXY)-SULFINYL)METHYLAMINO)CARBONYLOXY)-, METHYL ESTER □ S-METHYL N-(N'-METHYL-N'-HEXOXSULFINYL-CARBAMOYLOXY)THIOACETIMIDATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:260 mg/kg USXXAM #4263318

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MKN000 CAS: 60-34-4 HR: 3****METHYL HYDRAZINE****DOT:** UN 1244mf: CH₆N₂ mw: 46.09**PROP:** Colorless, hygroscopic liquid; ammonia-like odor. D: 0.874 @ 25°, mp: -20.9°, bp: 87.8°, vap d: 1.6, flash p: 73.4°F, fp: -52.4°, autoign temp: 196°, lel: 2.5%, uel: 97 ± 2%. Slightly sol in water; sol in alc, hydrocarbons, and ether; misc with hydrazine. Strong reducing agent. IDLH 20 ppm.

SYNS: HYDRAZOMETHANE □ 1-METHYL HYDRAZINE □ METHYLHYDRAZINE (DOT) □ METYLOHYDRAZINA (POLISH) □ MMH □ MONOMETHYL HYDRAZINE □ RCRA WASTE NUMBER P068

TOXICITY DATA with REFERENCE:

mmo-sat 2 μmol/plate/48H MUREAV 54,167,78

dnd-hmn:fbr 116 pmol NTIS** AD-A092-249

orl-rat LD50:32 mg/kg XAWPA2 CWL 2-10,58

ihl-rat LC50:34 ppm/4H AMRL** TR-67-137,67

skn-rat LD50:183 mg/kg CTOXAO 4,435,71

ipr-rat LD50:21 mg/kg CTOXAO 4,435,71

scu-rat LD50:35 mg/kg BJCAAI 30,432,74

ivn-rat LD50:17 mg/kg CTOXAO 4,435,71

orl-mus LD50:29 mg/kg NTIS** AD-A125-539

ihl-mus LC50:56 ppm/4H AMIHAB 12,609,55

ipr-mus LD50:15 mg/kg PSEBAA 124,172,67

scu-rat LD50:25 mg/kg BJCAAI 30,429,74

ivn-mus LD50:33,200 μg/kg MEPAAX 24,71,73

ihl-dog LC50:96 ppm/1H AIHAAP 31,667,70

skn-rbt LD50:95 mg/kg PSEBAA 131,226,69

CONSENSUS REPORTS: Community Right-To-Know List. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**OSHA PEL:** CL 0.2 ppm (skin)**ACGIH TLV:** TWA 0.01 ppm (skin); Suspected Human Carcinogen**NIOSH REL:** CL 0.08 mg/m³/2H**DOT CLASSIFICATION:** 6.1; Label: Poison, Flammable Liquid, Corrosive**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by inhalation, ingestion, skin contact, intraperitoneal, subcutaneous, and intravenous routes. Experimental reproductive effects. Human mutation data reported. Corrosive to skin, eyes, and mucous membranes. May self-ignite in air. Very dangerous fire hazard when exposed to heat or flame. To fight fire, use alcohol foam, CO₂, dry chemical. Explosive in the form of vapor when exposed to heat or flame. A powerful reducing agent. It is hypergolic with many oxidants (e.g., dinitrogen tetroxide and hydrogen peroxide). When heated to decomposition it emits toxic fumes of NO_x. See also HYDRAZINE.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Monomethylhydrazine S149.**MKN250 CAS: 7339-53-9 HR: 3****METHYLHYDRAZINE HYDROCHLORIDE**mf: CH₆N₂•ClH mw: 82.55**TOXICITY DATA with REFERENCE:**

orl-rat LD50:58 mg/kg AMIHAB 13,34,56

ipr-rat LD50:58 mg/kg AMIHAB 13,34,56

ivn-rat LD50:59 mg/kg AMIHAB 13,34,56

orl-mus LD50:59 mg/kg AMIHAB 13,34,56

ipr-mus LD50:58 mg/kg AMIHAB 13,34,56

ivn-mus LD50:59 mg/kg AMIHAB 13,34,56

ivn-dog LD50:21 mg/kg AMIHAB 13,34,56

NIOSH REL: (Hydrazines) CL 0.08 mg/m³/2H**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits very toxic fumes of Cl and NO_x. See also METHYLHYDRAZINE.**MKN300 CAS: 32064-64-5 HR: D****METHYLHYDRAZINE OXALATE**mf: CH₆N₂•C₂H₂O₄ mw: 136.13

SYNS: HYDRAZINE, METHYL-, ETHANEDIOATE (1:1) □ METHYLHYDRAZINE ETHANEDIOATE (1:1)

TOXICITY DATA with REFERENCE:

mic-sat 2 μmol/plate MUREAV 301,213,1993

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MKN500 CAS: 302-15-8 HR: 3****METHYL HYDRAZINE SULFATE**mf: CH₆N₂•H₂O₄S mw: 144.17**PROP:** Crystals from methyl alcohol. Mp: 142°. Very sol in water; very sltly sol in alc.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:160 mg/kg RPTOAN 36,27,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits very toxic

fumes of SO_x and NO_x. See also METHYLHYDRAZINE.

MKN600 CAS: 28846-36-8 HR: 3

9-(1-METHYLHYDRAZINO)ACRIDINE MONOHYDROCHLORIDE

mf: C₁₄H₁₃N₃•ClH mw: 259.76

SYN: ACRIDINE, 9-(1-METHYLHYDRAZINO)-, MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 mg/kg USXXAM #3712943

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

MKN750 CAS: 366-71-2 HR: 2
(α-(2-METHYLHYDRAZINO)-p-TOLUOYL)UREA, MONOHYDROBROMIDE

mf: C₁₀H₁₄N₄O₂•BrH mw: 303.20

SYNS: 1-(p-ALLOPHANOYL BENZYL)-2-METHYLHYDRAZINE HYDROBROMIDE □ N-(AMINOCARBONYL)-4-((2-METHYLHYDRAZINO)METHYL)BENZAMIDE MONOHYDROBROMIDE □ 1-METHYL-2-(p-ALLOPHANOYL BENZYL)HYDRAZINE HYDROBROMIDE □ NSC-77517

TOXICITY DATA with REFERENCE:

orl-mus LD50:818 mg/kg NCISP* JAN86

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental carcinogenic and teratogenic data. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of HBr and NO_x.

MKO000 CAS: 3031-73-0 HR: 3

METHYL HYDROPEROXIDE

mf: CH₄O₂ mw: 48.04

SAFETY PROFILE: A powerful oxidizer. Probably an irritant to the eyes, skin, and mucous membranes. A powerful, shock-sensitive explosive, especially when warm. Explodes on contact with phosphorus pentaoxide. Aqueous solutions may explode on warming with catalytic platinum. Reacts with barium to form dangerously explosive barium salts. Incompatible with barium salts. When heated to decomposition it emits acrid smoke and irritating fumes. See also PEROXIDES.

MKO250 CAS: 95-71-6 HR: 3

METHYLHYDROQUINONE

mf: C₇H₈O₂ mw: 124.15

PROP: Needles or plates from C₆H₆. Mp: 126–127°, bp: 163°.

SYNS: 2,5-DIHYDROXYTOLUENE □ METHYL-p-HYDROQUINONE □ 2-METHYLHYDROQUINONE □ THQ □ 2,5-TOLUENEDIOL □ p-TOLUHYDROQUINOL □ TOLUQUINOL □ TOLYLHYDROQUINONE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg KODAK* -,71

ipr-rat LDLo:200 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKP000 CAS: 51938-16-0 HR: 2

N-METHYL-N-(4-HYDROXYBUTYL)-NITROSAMINE

mf: C₅H₁₂N₂O₂ mw: 132.19

SYN: N-NITROSO-N-METHYL-(4-HYDROXYBUTYL)AMINE

TOXICITY DATA with REFERENCE:

mma-sat 40 μmol/plate CNREA8 37,399,77

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. See also NITROSAMINES.

MKP250 CAS: 1487-49-6 HR: 2

METHYL-3-HYDROXYBUTYRATE

mf: C₅H₁₀O₃ mw: 118.15

PROP: Colorless liquid. Bp: 67–68° @ 12–13 mm, flash p: 180°F (OC), d: 1.0559, vap press: 0.85 mm @ 20°, vap d: 4.1.

TOXICITY DATA with REFERENCE:

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

SAFETY PROFILE: A 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 acrid smoke and irritating fumes. See also ESTERS.

MKP500 CAS: 90-33-5 HR: 2

4-METHYL-7-HYDROXYCOUMARIN

mf: C₁₀H₈O₃ mw: 176.18

PROP: Needles from EtOH. Mp: 194–195°.

SYNS: BILCOLIC □ BILCANTE □ CANTABILINE □ COUMARIN 4 □ EUROGALE □ 7-HYDROXY-4-METHYL-COUMARIN □ 7-HYDROXY-4-METHYL-2-OXO-2H-1-BENZOPYRAN □ HYMECROMONE □ MEDILLA □ MENDIAXON □ 4-METHYLBELLIFERON (CZECH) □ β-METHYLBELLIFERONE □ 4-METHYLBELLIFERONE □ OMEGA 127 □ PILOT 447

TOXICITY DATA with REFERENCE:

orl-rat TDLo:3850 mg/kg KSRNAM 5,1619,71

ipr-rat LD50:2550 mg/kg KSRNAM 5,1619,71

scu-rat LD50:7200 mg/kg KSRNAM 5,1619,71

orl-mus LD50:2850 mg/kg KSRNAM 5,1619,71

ipr-mus LD50:1750 mg/kg KSRNAM 5,1619,71

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

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

MKQ000 CAS: 2470-73-7 HR: 3

(2-METHYL-3-(1-HYDROXYETHOXYETHYL)-4-PIPERAZINYL)PROPYL-10-PHENO-THIAZINE

mf: C₂₄H₃₃N₃O₂S mw: 427.66

SYNS: DIXYRAZINE □ ESUCOS □ 10-(3-(4-HYDROXY-ETHOXYETHYL-1-PIPERAZINYL)-2-METHYLPROPYL)-PHENOTHIAZINE □ 2-(2-(4-(2-METHYL-3-PHENOTHIAZIN-10-YLPROPYL)-1-PIPERAZINYL)ETHOXY)ETHANOL □ UCB 3412

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg ANPBAZ 61,669,61

ivn-rat LD50:37,500 µg/kg ANPBAZ 61,669,61

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

**MKQ250 CAS: 93-90-3 HR: 2
N-METHYL-N-HYDROXYETHYLANILINE**

mf: C₉H₁₃NO mw: 151.23

SYNS: 2-(N-METHYLANILINO)ETHANOL □ N-METHYL-N-β-HYDROXYETHYLANILINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51

eye-rbt 250 µg open SEV AMIHBC 4,119,51

orl-rat LD50:2830 mg/kg AMIHBC 4,119,51

skn-rbt LD50:3250 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**MKQ500 CAS: 63918-39-8 HR: 3
1-METHYL-1-(β-HYDROXYETHYL)ETHYLEN-AMMONIUM PICRYLSULFONATE**

mf: C₅H₁₂NO•C₆H₂N₃O₉S mw: 394.35

SYN: METHYL-β-HYDROXYETHYL-ETHYLENIMONIUM PICRYLSULFONATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:7500 µg/kg JPETAB 91,224,47

ivn-mus LD50:300 mg/kg JPETAB 91,224,47

ivn-rbt LDLo:3 mg/kg NTIS** PB158-507

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

**MKQ600 CAS: 174175-11-2 HR: 3
(+)-(E)-METHYL-2-((E)-HYDROXYIMINO)-5-NITRO-6-METHOXY-3-HEXENEAMIDE**

mf: C₈H₁₃N₃O₅ mw: 231.21

SYNS: 3-HEXENAMIDE, 2-(HYDROXYIMINO)-6-METHOXY-4-METHYL-5-NITRO-, (2E,3E)- □ NOR-1

SAFETY PROFILE: Suspected carcinogen. When heated to decomposition it emits toxic vapors of NO_x.

**MKQ875 CAS: 593-77-1 HR: 3
METHYLHYDROXYLAMINE**

mf: CH₅NO mw: 47.07

PROP: Prisms. Very sol in H₂O, MeOH, EtOH; spar sol in Et₂O, ligroin, and C₆H₆.

SYNS: N-HYDROXY-METHANAMINE □ NCI-C60066

TOXICITY DATA with REFERENCE:

mno-bcs 1 mol/L MUREAV 4,517,67

oms-bcs 10 mmol/L MUREAV 4,517,67

cyt-mus:emb 50 µmol/L JNCIAM 32,667,64

cyt-ham:oth 50 µmol/L JNCIAM 32,667,64

ipr-mus LDLo:188 mg/kg JNCIAM 32,667,64

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Probably a severe irritant to the eyes, skin, and mucous membranes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

**MKQ880 CAS: 67-62-9 HR: D
o-METHYLHYDROXYLAMINE**

mf: CH₅NO mw: 47.07

PROP: Free base: mobile liquid; fishy, amine odor. Bp: 49–50°. Misc with water, alc, ether.

SYNS: METHOXYAMINE □ NCI-C60060

TOXICITY DATA with REFERENCE:

dnd-esc 20 µmol/L MUREAV 89,95,81

mno-omi 50 mmol/L MUREAV 49,163,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

**MKR000 CAS: 10482-16-3 HR: 2
2-METHYL-4-HYDROXYLAMINOQUINOLINE 1-OXIDE**

mf: C₁₀H₁₀N₂O₂ mw: 190.22

SYN: 4-(HYDROXYLAMINO)-2-METHYL-QUINOLINE, 1-OXIDE

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

**MKR100 CAS: 35440-49-4 HR: 3
METHYL-o-(4-HYDROXY-3-METHOXY-CINNAMOYL)RESERPATE**

mf: C₃₃H₃₈N₂O₈ mw: 590.73

SYN: CD-3400

TOXICITY DATA with REFERENCE:

orl-rat TDLo:2 g/kg (female 8-17D post):REP OYYAA2 18,105,79

orl-rat TDLo:1600 mg/kg (female 1-8D post):TER OYYAA2 18,105,79

ipr-rat LD50:210 mg/kg KSRNAM 11,1669,77

ipr-mus LD50:189 mg/kg KSRNAM 11,1669,77

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

**MKR125 CAS: 81147-92-4 HR: D
METHYL 4-(2-HYDROXY-3-((1-METHYLETHYL)-AMINO)PROPOXY)BENZENEPROPANOATE**

mf: C₁₆H₂₅NO₄ mw: 295.42

SYNS: ASL 8052-001 □ BENZENEPROPANOIC ACID, 4-(2-HYDROXY-3-((1-METHYLETHYL)AMINO)PROPOXY)-, METHYL ESTER □ ESMOLOL □ (+)-ESMOLLOL

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

MKR150 HR: 3
1-METHYL-3-(HYDROXYMETHYL)IMIDAZOLIUM CHLORIDE LAURATEmf: $C_{17}H_{31}N_2O_2 \cdot Cl$ mw: 330.95**SYN:** 3-(DODECANOYLOXYMETHYL)-1-METHYL-1H-IMIDAZOLIUM CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:4300 mg/kg USXXAM #4204065

ipr-mus LD50:140 mg/kg USXXAM #4204065

ivn-mus LD50:100 mg/kg USXXAM #4204065

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and Cl^- .**MKR250 CAS: 297-90-5 HR: 3**
N-METHYL-3-HYDROXYMORPHINANmf: $C_{17}H_{23}NO$ mw: 257.41**PROP:** A solid. Mp: 251–253°.**SYNS:** CETARIN □ DROMORAN □ racemic DROMORAN □ dl-1,3,4,9,10,10A-HEXAHYDRO-11-METHYL-2H-10,4A-IMINO-ETHANOPHENANTHREN-6-OL □ dl-3-HYDROXY-N-METHYLMORPHINAN □ (±)-3-HYDROXY-N-METHYLMORPHINAN □ METHORPHINAN □ NU 2206 □ RACEMORPHAN □ RO 1-5431**TOXICITY DATA with REFERENCE:**

orl-rat LD50:350 mg/kg CLDND* 216,48,52

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x .**MKR500 CAS: 23324-72-3 HR: 2**
METHYL HYDROXYOCTADECADIENOATEmf: $C_{19}H_{34}O_3$ mw: 310.53**SYN:** 13-HYDROXY-9,11-OCTADECADIENOIC METHYL ESTER**TOXICITY DATA with REFERENCE:**

skn-mus TDLo:64 g/kg/53W-I:ETA AMBPBZ 82,127,74

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**MKR550 CAS: 22128-43-4 HR: 2**
4-METHYL-4-HYDROXY-1-OCTYNEmf: $C_9H_{16}O$ mw: 140.25**SYNS:** 4-METHYLOCTIN-4-OL □ 4-METHYL-1-OCTYN-4-OL □ (+)-4-METHYL-1-OCTYN-4-OL □ 1-OCTYN-4-OL, 4-METHYL-**TOXICITY DATA with REFERENCE:**eye-rbt 100 μ L/24H MOD IJTofN 19,336,2000

orl-rat LD50:753 mg/kg IJTofN 19,336,2000

SAFETY PROFILE: Moderately toxic by ingestion. A moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**MKS000 CAS: 63991-31-1 HR: 3**
p-METHYL-m-HYDROXY-PHENYL-PROPANOL-AMINE HYDROCHLORIDEmf: $C_{10}H_{15}NO_2 \cdot ClH$ mw: 217.72**SYNS:** α -(1-AMINOETHYL)-3-HYDROXY-4-METHYLBENZYL ALCOHOL HYDROCHLORIDE □ 1-(3-HYDROXY-4-METHYL-PHENYL)-2-AMINO-1-PROPANOL HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

scu-rat LDLo:5 mg/kg JPETAB 71,62,41

ivn-rbt LDLo:90 mg/kg JACSAT 53,4149,31

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x .**MKS250 CAS: 37286-64-9 HR: 1**
 α -METHYL- ω -HYDROXYPOLY(OXY(METHYL-1,2-ETHANEDIYL))mf: $(C_3H_6O)_n \cdot CH_4O$ **SYNS:** DOWFROTH 250 □ JEFFOX OL 2700 □ POLYPROPYLENE GLYCOL METHYL ETHER □ POLYPROPYLENE GLYCOL MONOMETHYLETHER □ PROPYLENE OXIDE-METHANOL ADDUCT □ UCON LB-1715**TOXICITY DATA with REFERENCE:**

orl-rat LD50:49 g/kg UCDS** 6/13/60

CONSENSUS REPORTS: Glycol ether compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also GLYCOL ETHERS.**MKS750 CAS: 78308-53-9 HR: 2**
3-METHYL-4-HYDROXY-3-PYRROLIN-2-ONE AMMONIUM SALTmf: $C_5H_6NO_2 \cdot H_4N$ mw: 130.17**SYN:** AMMONIUMSALZ des α -METHYL- β -HYDROXY- $\Delta^{\alpha,\beta}$ -BUTYCOLACTAM (GERMAN)**TOXICITY DATA with REFERENCE:**

scu-mus LD50:2000 mg/kg ARZNAD 11,277,61

ivn-mus LD50:1150 mg/kg ARZNAD 11,277,61

SAFETY PROFILE: Moderately toxic by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and NH_3 .**MKT000 CAS: 593-78-2 HR: 3**
METHYL HYPOCHLORITEmf: CH_3ClO mw: 66.49**PROP:** A liquid. Bp: 12° @ 726 mm.**SAFETY PROFILE:** Explodes violently when exposed to heat, spark, or flame. Upon decomposition it emits toxic fumes of Cl^- . See also HYPOCHLORITES.**MKT500 CAS: 616-47-7 HR: 3**
1-METHYLIMIDAZOLEmf: $C_4H_6N_2$ mw: 82.12**TOXICITY DATA with REFERENCE:** D: 1.036 @ 10°, bp: 195–196°.

orl-mus LD50:1400 mg/kg TXAPA9 14,301,69

ipr-mus LD50:380 mg/kg TXAPA9 14,301,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Explosive reaction with osmium(VIII) oxide. When heated to decomposition it emits toxic fumes of NO_x .**MKT750 CAS: 693-98-1 HR: 2**
2-METHYLIMIDAZOLEmf: $C_4H_6N_2$ mw: 82.12

PROP: Needles from C₆H₆. Mp: 136°, bp: 267°. Sol in H₂O and EtOH. Spar sol in cold C₆H₆.

TOXICITY DATA with REFERENCE:

orl-mus LD50:1400 mg/kg TXAPA9 14,301,69

ipr-mus LD50:480 mg/kg TXAPA9 14,301,69

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.

MKU000 CAS: 822-36-6 HR: 3
4-METHYLIMIDAZOLE

mf: C₄H₆N₂ mw: 82.12

PROP: Crystals. Mp: 56°, bp: 263°. Sol in H₂O and EtOH.

SYN: 4-ME-I

TOXICITY DATA with REFERENCE:

orl-rat LD50:751 mg/kg TXAPA9 89,175,87

orl-mus LD50:370 mg/kg TXAPA9 14,301,69

ipr-mus LD50:165 mg/kg TXAPA9 14,301,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKU100 CAS: 4333-62-4 HR: 2
1-METHYLIMIDAZOLE METHIODIDE

mf: C₅H₉N₂I mw: 224.06

SYNS: 1,3-DIMETHYLIMIDAZOLIUM IODIDE □ 1H-IMIDAZOLIUM, 1,3-DIMETHYL-, IODIDE (9CI) □ IMIDAZOLIUM, 1,3-DIMETHYL-, IODIDE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1600 mg/kg JPMSAE 69,327,1980

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

MKU125 CAS: 157730-37-5 HR: D
1-METHYLIMIDAZO(4,5-b)(1,5)NAPHTHYRIDIN-2-AMINE

mf: C₁₀H₉N₅ mw: 199.24

SYNS: 1H-IMIDAZO(4,5-b)(1,5)NAPHTHYRIDIN-2-AMINE, 1-METHYL- □ 1-METHYL-1H-IMIDAZO(4,5-b)(1,5)NAPHTHYRIDIN-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 40 µLg/plate EMMUEG 26,79,1995

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

MKU130 CAS: 157730-36-4 HR: D
1-METHYL-1H-IMIDAZO(4,5-b)(1,6)NAPHTHYRIDIN-2-AMINE

mf: C₁₀H₉N₅ mw: 199.24

SYNS: 1H-IMIDAZO(4,5-b)(1,6)NAPHTHYRIDIN-2-AMINE, 1-METHYL- □ 1-METHYLIMIDAZO(4,5-b)(1,6)NAPHTHYRIDIN-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 60 ng/plate EMMUEG 26,79,1995

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

MKU135 CAS: 157730-35-3 HR: D
1-METHYL-1H-IMIDAZO(4,5-B)(1,7)NAPHTHYRIDIN-2-AMINE

mf: C₁₀H₉N₅ mw: 199.24

SYNS: 1H-IMIDAZO(4,5-B)(1,7)NAPHTHYRIDIN-2-AMINE, 1-METHYL- □ 1-METHYLIMIDAZO(4,5-B)(1,7)NAPHTHYRIDIN-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 600 ng/plate EMMUEG 26,79,1995

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

MKU140 CAS: 166664-83-1 HR: D
1-METHYL-1H-IMIDAZO(4,5-b)(1,8)NAPHTHYRIDIN-2-AMINE

mf: C₁₀H₉N₄ mw: 185.23

SYNS: 1H-IMIDAZO(4,5-b)(1,8)NAPHTHYRIDIN-2-AMINE, 1-METHYL- □ 1-METHYLIMIDAZO(4,5-b)(1,8)NAPHTHYRIDIN-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 50 µLg/plate EMMUEG 26,79,1995

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

MKU145 CAS: 156215-58-6 HR: D
1-METHYLIMIDAZO(4,5-b)QUINOLINE-2-AMINE

mf: C₁₁H₁₀N₄ mw: 198.25

SYNS: 1H-IMIDAZO(4,5-b)QUINOLIN-2-AMINE, 1-METHYL- □ 1-METHYL-1H-IMIDAZO(4,5-b)QUINOLIN-2-AMINE

TOXICITY DATA with REFERENCE:

mic-sat 5 µLg/plate EMMUEG 26,79,1995

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

MKU250 CAS: 105-59-9 HR: 2
N-METHYL-2,2'-IMINODIETHANOL

mf: C₅H₁₃NO₂ mw: 119.19

SYNS: BIS(2-HYDROXYETHYL)METHYLAMINE □ DIETHANOLMETHYLAMINE □ ETHANOL, 2,2'-(METHYLIMINO)BIS- □ 2-(N-2-HYDROXYETHYL-N-METHYLAMINO)ETHANOL □ MDEA □ N-METHYLAMINODIGLYCOL □ METHYLBIS(2-HYDROXYETHYL)AMINE □ METHYLDIETHANOLAMINE □ N-METHYLDIETHANOLAMINE □ N-METHYLDIETHANOLIMINE □ METHYLIMINODIETHANOL □ N-METHYLIMINODIETHANOL □ N-METHYL-2,2'-IMINODIETHANOL □ 2,2'-(METHYLIMINO)DIETHANOL □ USAF DO-52

TOXICITY DATA with REFERENCE:

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

skn-rbt 502 mg open MLD UCDS** 7/13/71

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

orl-rat LD50:4780 mg/kg AMIHBC 10,61,54

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKU750 CAS: 306-53-6 HR: 3
((METHYLIMINO)DIETHYLENE)BIS(ETHYLDIMETHYLAMMONIUM BROMIDE)

mf: $C_{13}H_{33}N_3 \cdot 2Br$ mw: 391.31**PROP:** Prisms from EtOH/EtOAc. Mp: 212–215°. Very sol in H_2O .

SYNS: AZAMETHONE □ AZAMETHONIUM BROMIDE □ AZAMETON □ C 9295 □ CIBA 9295 □ GANLION □ 3-METHYL-3-AZAPENTANE-1,5-BIS(ETHYLDIMETHYLAMMONIUM) BROMIDE □ 2,2'-(METHYLIMINO)BIS(N-ETHYL-N,N-DIMETHYLETHANAMINIUM) DIBROMIDE □ PENDIOMID □ PENDIOMIDE BROMIDE □ PENDIOMIDE DIBROMIDE □ PENTAMETHAZENE DIBROMIDE □ PENTAMETHAZINE □ N,N,N',N',3-PENTAMETHYL-N,N'-DIETHYL-3-AZAPENTYLENE-1,5-DIAMMONIUM DIBROMIDE □ PENTAMINE □ PENTAMON □ PENTOMID □ PRAPAR □ PRAPARAT 9295

TOXICITY DATA with REFERENCE:

orl-mus LDLo:2500 mg/kg MEIEDD 10,129,83
 ipr-mus LDLo:155 mg/kg CLDND* 21,8,58
 orl-rbt LD50:3000 mg/kg SMWOAS 81,446,51
 scu-rbt LD50:160 mg/kg SMWOAS 81,446,51
 ivn-rbt LD50:75 mg/kg SMWOAS 81,446,51

SAFETY PROFILE: Poison by intraperitoneal, subcutaneous, and intravenous routes. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and Br^- . See also BROMIDES.

MKV500 CAS: 876-83-5 HR: 3
2-METHYL-1,3-INDANDIONE

mf: $C_{10}H_8O_2$ mw: 160.18**PROP:** A solid. Mp: 83–84°.**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:100 mg/kg ARTODN 33,191,75

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

MKV750 CAS: 83-34-1 HR: 3
β-METHYLINDOLE

mf: C_9H_9N mw: 131.19

PROP: Leaves from ligroin. Mp: 95°, bp: 265° @ 755 mm. Sol in cold water, alc, chloroform, ether, and benzene.

SYNS: 3-METHYLINDOLE □ 3-METHYL-1H-INDOLE □ 3-MI □ SCATOLE □ SKATOL □ SKATOLE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3450 mg/kg FCTXAV 14,863,76
 orl-mus LDLo:470 mg/kg AEECTCV 14,111,85
 ipr-mus LD50:175 mg/kg FCTXAV 14,863,76
 scu-frg LDLo:1 g/kg MEIEDD 10,1227,83
 orl-dom LDLo:300 mg/kg FCTXAV 14,863,76
 orl-ctl LDLo:200 mg/kg FCTXAV 14,863,76
 ivn-ctl LDLo:60 mg/kg FCTXAV 14,863,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKV800 CAS: 6872-06-6 HR: 3
2-METHYLINDOLINE

mf: $C_9H_{11}N$ mw: 133.21**SYNS:** INDOLINE, 2-METHYL- □ PE-11**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:360 mg/kg FATOAO 29,721,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKW000 CAS: 7770-47-0 HR: 3
4-(1-METHYL-3-INDOLYLETHYL)PYRIDINE HYDROCHLORIDE

mf: $C_{16}H_{16}N_2 \cdot ClH$ mw: 272.80

SYNS: IN 399 □ 4-(N-METHYL-3-INDOLYETHYL)PYRIDINIUM HYDROCHLORIDE □ USAF IN-399

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg NTIS** AD277-689
 ivn-mus LD50:94 mg/kg JPETAB 125,122,59

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

MKW100 HR: 3
4-(2-(1-METHYL-3-INDOLYL)ETHYL)-1-(3-(TRIMETHYLAMMONIO)PROPYL)PYRIDINIUM DICHLORIDE

mf: $C_{22}H_{31}N_3 \cdot 2Cl$ mw: 408.46

SYN: DICHLORURE de TRIMETHYLAMMONIUM-1-(β-N-METHYLINDOYL-3") ETHYL-4'-PYRIDINIUM)-3 PROPANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg APFRAD 22,523,64
 ipr-rat LD50:25 mg/kg APFRAD 22,523,64
 scu-rat LD50:140 mg/kg APFRAD 22,523,64
 orl-mus LD50:475 mg/kg APFRAD 22,523,64
 ipr-mus LD50:40 mg/kg APFRAD 22,523,64
 ivn-mus LD50:12 mg/kg APFRAD 22,523,64
 ipr-rbt LD50:90 mg/kg APFRAD 22,523,64
 rec-rbt LD50:150 mg/kg APFRAD 22,523,64

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, intraperitoneal, and rectal routes. When heated to decomposition it emits toxic fumes of Cl^- , NH_3 , and NO_x .

MKW150 CAS: 37125-93-2 HR: 2
3-((2-METHYL-1H-INDOL-3-YL)METHYL)-1-(PHENYLMETHYL)-4-PIPERIDINONE

mf: $C_{22}H_{24}N_2O$ mw: 332.48

SYNS: N-BENZYL-3-(2'-METHYL-3'-INDOLYL)METHYL-4-PIPERIDONE □ ICIG 776 □ 4-PIPERIDINONE, 3-((2-METHYL-1H-INDOL-3-YL)METHYL)-1-(PHENYLMETHYL)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:>1500 mg/kg BIMDB3 21,101,74

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

MKW200 CAS: 74-88-4 HR: 3
METHYL IODIDE

DOT: UN 2644

mf: CH_3I mw: 141.94

PROP: Colorless liquid with pleasant odor, turns brown on exposure to light. Mp: −66.4°, bp: 42.5°, d: 2.279 @

20°/4°, vap press: 400 mm @ 25.3°, vap d: 4.89. Sol in water @ 15°, misc in alc and ether. IDLH 100 ppm.

SYNS: HALON 10001 □ IODOMETANO (ITALIAN) □ IODOMETHANE □ IODURE de METHYLE (FRENCH) □ JOD-METHAN (GERMAN) □ JOODMETHAAN (DUTCH) □ METHYLJODID (GERMAN) □ METHYLJODIDE (DUTCH) □ METYLU JODEK (POLISH) □ MONOIODURO di METILE (ITALIAN) □ RCRA WASTE NUMBER U138

TOXICITY DATA with REFERENCE:

skn-hmn 1 g/10M MLD BJIMAG 7,122,50
skn-rat 1 g/30M MLD BJIMAG 7,122,50
mmo-esc 20 µmol/L ARTODN 46,277,80
msc-mus:lym 3600 µg/L ENMUDM 7,523,85
ipr-mus TDLo:44 mg/kg/8W-I:NEO CNREA8 35,1411,75

orl-rat LDLo:150 mg/kg BJIMAG 7,122,50
ihl-rat LC50:1300 mg/m³/4H 34ZIAG -,756,69
skn-rat LDLo:800 mg/kg KODAK* 21MAY71
ipr-rat LD50:101 mg/kg 85GMAT -,84,82
scu-rat LD50:110 mg/kg ZEKBAI 74,241,70
ihl-mus LCLo:5000 mg/m³/1H BJIMAG 7,122,50
ipr-mus LD50:172 mg/kg 85GMAT -,84,82
scu-mus LD50:110 mg/kg TXAPA9 4,354,62
ipr-gpg LD50:51 mg/kg 85GMAT -,84,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 41,213,86. Community Right-To-Know List. EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 ppm (skin)

ACGIH TLV: TWA 0.01 ppm; Animal Carcinogen

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

NIOSH REL: (Monohalomethanes) Reduce to lowest level

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Confirmed carcinogen with experimental neoplastigenic and tumorigenic data. A poison by ingestion, intraperitoneal, and subcutaneous routes. Moderately toxic by inhalation and skin contact. A human skin irritant. Human mutation data reported. A strong narcotic and anesthetic. Explosive reaction with trialkylphosphines, silver chlorite. Violent reaction with oxygen (at 300°C), sodium. When heated to decomposition it emits toxic fumes of I⁻. See also IODIDES.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Methyl Iodide, 1014.

MKW250 CAS: 1910-68-5 HR: 3 N-METHYLISATIN-3-(THIOSEMICARBAZONE)

mf: C₁₀H₁₀N₄OS mw: 234.30

PROP: Orange-yellow powder. Mp: 245°.

SYNS: BW 33-T-57 □ COMPOUND 33T57 □ 2-(1,2-DIHYDRO-1-METHYL-2-OXO-3H-INDOLE-3-YLIDENE)HYDRZAINECARBO-THIOAMIDE □ KEMOVIRAN □ MARBORAN □ METHISAZONE □ N-METHYLINDOLE-2,3-DIONE THIOSEMICARBAZONE □ 1-METHYLINDOLE-2,3-DIONE-3-(THIOSEMICARBAZONE) □ N-METHYLISATIN THIOSEMICARBAZONE □ METISAZONUM □ MIBT □ NSC-69811 □ VIRUZONA

TOXICITY DATA with REFERENCE:

oms-omi 50 µmol/L BBACAQ 519,65,78

dnd-hmn:hla 30 µmol/L BCPCA6 25,821,76

orl-mus LD50:4 g/kg ARZNAD 22,1704,72

ivn-mus LD50:56 mg/kg CSLNX* NX#02255

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

MKW300 CAS: 10328-92-4 HR: D N-METHYL-ISATOIC ANHYDRIDE

mf: C₉H₇NO₃ mw: 177.17

SYNS: 2H-3,1-BENZOXAZINE-2,4(1H)-DIONE, 1-METHYL- □ N-METHYL IA

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKW450 CAS: 110-12-3 HR: 3 METHYL ISOAMYL KETONE

DOT: UN 2302

mf: C₇H₁₄O mw: 114.21

PROP: Colorless, stable liquid; pleasant odor. Bp: 144°, d: 0.8132 @ 20°/20°, fp: -73.9°, flash p: 110°F (OC). Sltly sol in water; misc with most org solvs.

SYNS: ISOAMYL METHYL KETONE □ ISOPENTYL METHYL KETONE □ KETONE, METHYL ISOAMYL □ 2-METHYL-5-HEXANONE □ 5-METHYL-2-HEXANONE □ 5-METHYLHEXAN-2-ONE (DOT) □ MIAK

TOXICITY DATA with REFERENCE:

orl-rat LD50:3200 mg/kg 38MKAJ 2C,4759,82

ihl-rat LCLo:4000 ppm/4H AIHAAP 23,95,62

ipr-rat LD50:400 mg/kg 38MKAJ 2C,4759,82

orl-mus LD50:2542 mg/kg TOLED5 30,13,86

ipr-mus LD50:800 mg/kg 38MKAJ 2C,4759,82

orl-mus LDLo:3200 mg/kg KODAK* 21MAY71

ihl-rat TCLo:1000 ppm/6H/16D-I FAATDF 6,498,86

ihl-rat TCLo:1000 ppm/6H/96D-I FAATDF 6,498,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 50 ppm

ACGIH TLV: TWA 50 ppm

NIOSH REL: Ketones (Methyl Isoamyl Ketone) TWA 230 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by inhalation and skin contact. A flammable liquid when exposed to heat, flame, or oxidizers. To fight fire, use dry chemical, CO₂, foam, fog. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MKW500 CAS: 624-44-2 HR: 3 METHYL ISOAMYL KETOXIME

mf: C₇H₁₅NO mw: 129.23

PROP: Oil. Bp: 195–196°.

SYN: USAF AM-7

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MKW600 CAS: 108-11-2 HR: 3

METHYL ISOBUTYL CARBINOL

DOT: UN 2053

mf: C₆H₁₄O mw: 102.20

PROP: Clear liquid. Bp: 131.8°, fp: <−90° (sets to a glass), flash p: 106°F, d: 0.8079 @ 20°/20°, vap press: 2.8 mm @ 20°, vap d: 3.53, lel: 1.0%, uel: 5.5%. IDLH 400 ppm.

SYNS: ALCOOL METHYL AMYLIQUE (FRENCH) □ ISOBUTYL METHYL CARBINOL □ ISOBUTYLMETHYLMETHANOL □ MAOH □ METHYL AMYL ALCOHOL □ METHYLISOBUTYL CARBINOL □ 2-METHYL-4-PENTANOL □ 4-METHYLPENTANOL-2 □ 4-METHYL-2-PENTANOL (MAK) □ METILAMIL ALCOHOL (ITALIAN) □ 4-METILPENTAN-2-OLO (ITALIAN) □ MIBC □ MIC □ 3-MIC

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51

eye-rbt 20 mg open SEV AMIHBC 4,119,51

orl-rat LD50:2590 mg/kg AMIHBC 4,119,51

ihl-rat LCLo:2000 ppm/4H JIHTAB 31,343,49

orl-mus LDLo:1000 mg/kg UCPHAQ 2,217,49

ipr-mus LD50:812 mg/kg SCCUR* -,7,61

skn-rbt LD50:3560 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 25 ppm; STEL 40 ppm (skin)

ACGIH TLV: TWA 25 ppm; STEL 40 ppm (skin)

DFG MAK: 25 ppm (110 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, and intraperitoneal routes. Mildly toxic by inhalation. A skin and severe eye irritant. Inhalation of high concentrations can cause anesthesia. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. A moderate explosion hazard when exposed to heat or flame. To fight fire, use alcohol foam. When heated to decomposition it emits acrid smoke and fumes. See also ALCOHOLS.

MKW750 CAS: 105-44-2 HR: 3

METHYL ISOBUTYL KETOXIME

mf: C₆H₁₃NO mw: 115.20

SYN: USAF AM-4

TOXICITY DATA with REFERENCE:

orl-mus LD50:>2 g/kg MEXPAG 11,137,64

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Low toxicity by ingestion. When heated to decomposition it emits toxic fumes of NO_x.

MXK000 CAS: 547-63-7 HR: 3

METHYL ISOBUTYRATE

mf: C₅H₁₀O₂ mw: 102.15

PROP: Colorless liquid. D: 0.889 @ 20°/4°, mp: −84 to −85°, bp: 93°, flash p: 55.4°F. Sltly sol in water; misc in alc and ether.

SYN: ISOBUTYRIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

ihl-mus LC50:25,500 mg/kg 85GMAT -,84,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by inhalation. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes.

MXK250 CAS: 624-83-9 HR: 3

METHYL ISOCYANATE

DOT: UN 2480

mf: C₂H₃NO mw: 57.06

PROP: Liquid; sharp, unpleasant odor. D: 0.9599 @ 20°/20°, bp: 43–45°, flash p: <5°F. IDLH 3 ppm.

SYNS: ISOCYANATE de METHYLE (FRENCH) □ ISO-CYANATOMETHANE □ ISOCYANIC ACID, METHYL ESTER □ METHYLISOCYANATE (DUTCH) □ METHYL ISOCYANATE (GERMAN) □ METHYL ISOCYANATE, solutions (DOT) □ METIL ISOCIANATO (ITALIAN) □ MIC □ RCRA WASTE NUMBER P064 □ TL 1450

TOXICITY DATA with REFERENCE:

sce-mus-ihl 3 ppm/6H/4D-C ENMUDM 8(Suppl 6),41,86

ihl-hmn TCLo:2 ppm:NOSE,EYE,PUL ATXKA8 20,235,64

orl-rat LD50:51,500 µg/kg IJEBA6 25,531,87

ihl-rat LC50:6100 ppb/6H FAATDF 6,747,86

orl-mus LD50:120 mg/kg TXAPA9 42,417,77

ihl-mus LC50:12,200 ppb/6H FAATDF 6,747,86

skn-rbt LD50:213 mg/kg AIHAAP 30,470,69

ihl-gpg LC50:5400 ppb/6H FAATDF 6,747,86

scu-mus LD50:81,900 µg/kg IJEBA6 25,531,87

skn-rbt LD50:213 mg/kg AIHAAP 30,470,69

scu-rbt LD50:126 mg/kg TXCYAC 51,223,88

ihl-gpg LC50:5400 ppb/6H FAATDF 6,747,86

ihl-rat TCLo:3 ppm/6H/4D-I FAATDF 9,480,87

ihl-mus TCLo:3 ppm/6H/4D-I FAATDF 9,480,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.02 ppm (skin)

ACGIH TLV: TWA 0.02 ppm (skin)

DFG MAK: 0.01 ppm (0.025 mg/m³)

DOT CLASSIFICATION: 6.1; Label: Poison, Flammable Liquid; DOT Class: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Poison by inhalation, ingestion, and skin contact. Human systemic effects by inhalation: conjunctiva irritation, olfactory and pulmonary changes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A severe eye, skin, and mucous membrane irritant and a sensitizer. It can be absorbed through the skin. Exposure to high concentrations of the vapor can cause blindness; lung damage, including edema, permanent fibrosis, emphysema, and bronchitis; and gynecological effects. Most deaths are a result of lung tissue damage. This was the predominant cause of death in the release of MIC in 1984 at Bhopal, India. Effects of cyanide poisoning have

been noted but this may be due to impurities. A flammable liquid and a very dangerous fire hazard when exposed to heat, flame, or oxidizers. To fight fire, use spray, foam, CO₂, dry chemical. Exothermic reaction with water. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also ISOCYANATES.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #54.

MX500 CAS: 593-75-9 HR: 3
METHYL ISOCYANIDE

mf: C₂H₃N mw: 41.05

PROP: Colorless liquid with odor resembling acetonitrile. Mp: -45°, bp: 59.6°, d: 0.7464 @ 20°/4°. Mod sol in water.

SYN: METHYL ISONITRILE

CONSENSUS REPORTS: Community Right-To-Know List.

SAFETY PROFILE: Poison. A shock- and heat-sensitive explosive. Explodes when heated in a sealed container. Has exploded on distillation. When heated to decomposition it emits highly toxic fumes of CN⁻ and NO_x. See also NITRILES.

MX575 CAS: 39687-95-1 HR: 3
METHYL ISOCYANOACETATE

mf: C₄H₅NO₂ mw: 99.09

SAFETY PROFILE: Potentially explosive decomposition on contact with traces of heavy metals (e.g., iron; copper; chromium). When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also ISOCYANIDES.

MKY250 CAS: 99-48-9 HR: 2
1-METHYL-4-ISOPROPENYL-6-CYCLOHEXEN-2-OL

mf: C₁₀H₁₆O mw: 152.26

SYNS: 1-CARVEOL □ 1-p-MENTHA-6,8-DIEN-2-OL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H FCTXAV 11,1055,73

orl-rat LD50:3000 mg/kg FCTXAV 11,1055,73

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.

MKY500 CAS: 814-78-8 HR: 3
METHYL ISOPROPENYL KETONE

DOT: UN 1246

mf: C₅H₈O mw: 84.119

PROP: Oil. Flash p: 69.8°F, d: 0.855 @ 20°/20°, lel: 1.8%, uel: 9.0%, vap d: 2.9, bp: 98°.

SYNS: 3-METHYL-3-BUTEN-2-ON (GERMAN) □ 2-METHYL-1-BUTEN-3-ONE □ METHYL ISOPROPENYL KETONE INHIBITED (DOT)

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51

eye-rbt 50 µg open SEV AMIHBC 4,119,51

ihl-rat LCLo:125 ppm/4H AMIHBC 4,119,51

ipr-mus LD50:490 mg/kg ZoLH# 23OCT75

orl-gpg LDLo:60 mg/kg 14CYAT 2,1754,63

orl-rat LD50:180 mg/kg AMIHBC 4,119,51

skn-rbt LD50:230 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion and skin contact. Moderately toxic by inhalation and intraperitoneal routes. A skin and severe eye irritant. A dangerous fire hazard when exposed to heat or flame. Explosive in the form of vapor when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MLA250 CAS: 99-86-5 HR: 2
1-METHYL-4-ISOPROPYLCYCLOHEXADIENE-1,3

mf: C₁₀H₁₆ mw: 136.26

PROP: Colorless liquid or oil; lemon odor. D: 0.834 @ 20°/4°, refr index: 1.475–1.480, bp: 173.5–174.8° @ 755 mm. Insol in water; misc in alc, ether, fixed oils.

SYNS: FEMA No. 3558 □ p-MENTHA-1,3-DIENE □ 1-METHYL-4-ISOPROPYL-1,3-CYCLOHEXADIENE □ α-TERPINENE (FCC)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1680 mg/kg FCTXAV 14,873,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLA300 HR: D
5-METHYL-2-ISOPROPYL-2-HEXENAL

mf: C₁₀H₁₈O mw: 154.25

PROP: Sltly yellow liquid; herbaceous, woody, fruity, chocolate odor. D: 0.845–0.860, refr index: 1.448. Sol in alc, fixed oils; insol in water, propylene glycol.

SYN: FEMA No. 3406

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

MLA750 CAS: 563-80-4 HR: 3
METHYL ISOPROPYL KETONE

DOT: UN 2397

mf: C₅H₁₀O mw: 86.15

PROP: Colorless liquid; acetone-like odor. D: 0.805 @ 16°/4°, bp: 93–94°.

SYNS: ISOPROPYL METHYL KETONE □ 3-METHYL-2-BUTANONE □ 3-METHYL BUTAN-2-ONE (DOT) □ MIPK

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,819,78

skn-rbt 500 mg open MLD FCTXAV 16,637,78

eye-rbt 100 mg/24H MLD FCTXAV 16,819,78

mr-c-smc 12,300 ppm MUREAV 149,339,85

orl-rat LD50:148 mg/kg SCCUR* -,7,61

ihl-rat LCLo:5700 ppm/4H TXAPA9 28,313,74

skn-rbt LD50:6350 mg/kg FCTXAV 16,819,78

ipr-rat LD50:800 mg/kg 38MKAJ 2C,4737,82

orl-mus LD50:2572 mg/kg TOLED5 30,13,86

ipr-mus LD50:200 mg/kg 38MKAJ 2C,4737,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 200 ppm

ACGIH TLV: TWA 200 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion. Mildly toxic by inhalation and skin contact. Mutation data reported. A skin and eye irritant. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MLB000 CAS: 63869-07-8 HR: 3

METHYL(5-ISOPROPYL-N-(p-TOLYL)-o-TOLUENESULFONAMIDO)MERCURY

mf: $C_{18}H_{23}HgNO_2S$ mw: 518.07

PROP: IDLH 10 mg/m³ (as Hg).

SYN: N-p-TOLYL-N-METHYLMERCURIAMID KYSELINY 2-METHYL-5-ISOPROPYLBENZENSULFONOVE (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,223,72

eye-rbt 20 mg/24H MOD 28ZPAK -,223,72

orl-rat LD50:115 mg/kg 28ZPAK -,223,72

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(Hg)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Poison by ingestion. A skin and eye irritant. When heated to decomposition it emits very toxic fumes of Hg, NO_x and SO_x. See also MERCURY COMPOUNDS.

MLB600 CAS: 52547-00-9 HR: D

3-METHYL-5-ISOTHIAZOLAMINE HYDRO-CHLORIDE

mf: $C_4H_6N_2S \cdot ClH$ mw: 150.64

SYN: 3-METHYL-5-ISOTHIAZOLAMINE MONOHYDRO-CHLORIDE

TOXICITY DATA with REFERENCE:

mma-sat 6666 µg/plate MUREAV 155,17,85

mma-mus:lym 486 mg/L MUREAV 155,17,85

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

MLB700 CAS: 2682-20-4 HR: D

2-METHYL-4-ISOTHIAZOLIN-3-ONE

SYNS: 3(2H)-ISOTHIAZOLONE, 2-METHYL- □ 2-METHYL-3(2H)-ISOTHIAZOLONE

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

SAFETY PROFILE: A pesticide with unreported toxicity. When heated to decomposition it emits toxic vapors of SO_x.

MLC000 CAS: 8066-01-1 HR: 3

d-d-METHYLISOTHIOCYANATE

mf: $C_3H_6Cl_2 \cdot C_3H_4Cl \cdot C_2H_3NS$ mw: 297.08

SYNS: dd-MENCs □ DD-METHYL ISOTHIOCYANATE

MIXTURE □ 1,2-DICHLOROPROPANE mixed with 1,3-DICHLOROPROPENE and ISOTHIOCYANATOMETHANE □ DI-TRAPEX □ FORLEX □ VORLEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:72 mg/kg KONODE 22,100,78

skn-rat LD50:961 mg/kg FMCHA2 -,C254,83

orl-mus LD50:90 mg/kg KONODE 22,100,78

skn-rbt LD50:470 mg/kg FMCHA2 -,C254,83

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. When heated to decomposition it emits very toxic fumes of Cl⁻, SO_x, and NO_x. See also THIOCYANATES.

MLC100 CAS: 18853-26-4 HR: 2

METHYL ISOXATHION

mf: $C_{11}H_{12}NO_4PS$ mw: 285.27

SYNS: O,O-DIMETHYL O-(5-PHENYL-3-ISOXAZOLYL)

PHOSPHOROTHIOATE □ DIMEX □ PHOSPHOROTHIOIC

ACID, O,O-DIMETHYL O-(5-PHENYL-3-ISOXAZOLYL) ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:593 mg/kg JPIFAN (48),3,86

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

MLC250 CAS: 5707-69-7 HR: 3

3-METHYL-4,5-ISOXAZOLEDIONE-4-((2-CHLOROPHENYL)HYDRAZONE)

mf: $C_{10}H_8ClN_3O_2$ mw: 237.66

PROP: Yellow crystals. Mp: 167°.

SYNS: 4-(2-CHLOROPHENYLHYDRAZONE)-3-METHYL-5-

ISOXAZOLONE □ 4-(2-CHLOROPHENYLHYDRAZONE)-3-

METHYL-5(4H)-ISOXAZOLONE □ DRAZOXOLON □

DRAZOXOLONE □ GANOCIDE □ 3-METHYL-4-((o-CHLORO-

PHENYL)HYDRAZONE)-4,5-ISOXAZOLEDIONE □ 3-METHYL-

4-(o-CHLOROPHENYLHYDRAZONO)-5-ISOXAZOLONE □ MIL-

COL □ PP781 □ SAISAN □ SOPRACOL □ SOPRACOL 781

TOXICITY DATA with REFERENCE:

orl-rat LD50:126 mg/kg FMCHA2 -,D117,80

ipr-rat LD50:20 mg/kg FCTXAV 7,481,69

orl-mus LD50:129 mg/kg FCTXAV 7,481,69

orl-dog LDLo:20 mg/kg FCTXAV 7,481,69

orl-rbt LDLo:100 mg/kg FCTXAV 7,481,69

orl-cat LD50:50 mg/kg 31ZOAD 1,195,68

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

MLC500 CAS: 64552-25-6 HR: D

N-METHYLJERVINE

mf: $C_{28}H_{41}NO_3$ mw: 439.70

SAFETY PROFILE: Experimental teratogenic effects. When heated to decomposition it emits toxic fumes of NO_x.

MLC600 CAS: 547-64-8 HR: 1

METHYL LACTATE

mf: C₄H₈O₃ mw: 104.12

SYN: LACTIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:>2 g/kg JPPMAB 11,150,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Slightly toxic by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**MLC750 CAS: 75-86-5 HR: 3
2-METHYLLACTONITRILE**

DOT: UN 1541

mf: C₄H₇NO mw: 85.12**PROP:** Mp: -20°, bp: 82° @ 23 mm, d: 0.932 @ 19°, autoign temp: 1270°F, flash p: 165°F, vap d: 2.93. Very sol in H₂O; spar sol in pet ether.

SYNS: ACETONCIANHIDRINEI (ROUMANIAN) □ ACETONCI-ANIDRINA (ITALIAN) □ ACETONCYAANHYDRINE (DUTCH) □ ACETONCYANHYDRIN (GERMAN) □ ACETONECYAN-HYDRINE (FRENCH) □ ACETONE CYANOHYDRIN (ACGIH, DOT) □ ACETONKYANHYDRIN (CZECH) □ CYANHYDRINE d'ACETONE (FRENCH) □ α-HYDROXYISOBUTYRONITRILE □ 2-HYDROXY-2-METHYLPROPIONITRILE □ RCRA WASTE NUMBER P069 □ USAF RH-8

TOXICITY DATA with REFERENCE:

orl-rat LD50:19,300 µg/kg GISAAA 58(1),28,93

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

scu-rat LDLo:8500 µg/kg BJIMAG 19,283,62

orl-mus LD50:14 mg/kg 28ZPAK -,161,72

ihl-mus LCLo:500 mg/m³/2H IGIBA5 11,27,62

ipr-mus LD50:1 mg/kg NTIS** AD277-689

orl-rbt LD50:13,500 µg/kg NTIS** PB214-270

skn-rbt LD50:17 mg/kg AIHAAP 23,95,62

unr-rat TDLo:242 mg/kg/26W-I GISAAA 31(6),8,66

unr-rbt TDLo:242 mg/kg/26W-I GISAAA 31(6),8,66

orl-gpg LD50:9 mg/kg NTIS** PB214-270

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**ACGIH TLV:** CL 4.7 ppm (skin)**NIOSH REL:** (Nitriles) CL 4 mg/m³/15M**DOT CLASSIFICATION:** 6.1; Label: Poison**SAFETY PROFILE:** Poison by ingestion, skin contact, inhalation, intraperitoneal, and subcutaneous routes. Readily decomposes to HCN and acetone. Keep cool and do not store for long periods. Combustible when exposed to heat or flame. To fight fire, use CO₂, dry chemical, alcohol foam. Vigorous reaction with H₂SO₄. When heated to decomposition it emits toxic fumes of CN⁻. See also NITRILES, HYDROCYANIC ACID, and ACETONE.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Acetone Cyanohydrin, 2506.**MLC800 CAS: 111-82-0 HR: 3
METHYL LAURATE**mf: C₁₃H₂₆O₂ mw: 214.39

SYNS: LAURIC ACID, METHYL ESTER □ METHOLENE 2296 □ METHYL DODECANOATE □ METHYL DODECYLATE □ METHYL LAURINATE □ STEPAN C40 □ UNIPHAT A40

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:48 mg/kg RESJAS 3,250,66

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits acrid smoke and irritating vapors.**MLD000 CAS: 917-54-4 HR: 3
METHYLLITHIUM**mf: CH₃Li mw: 21.98**SAFETY PROFILE:** Ignites spontaneously in air. See also LITHIUM COMPOUNDS.**MLD050 CAS: 22143-50-6 HR: 3
N-METHYLLOLINE**mf: C₉H₁₆N₂O mw: 168.27

SYNS: LOLINE, N-METHYL- □ 2,4-METHANO-4H-FURO(3,2-B)PYRROL-3-AMINE, HEXAHYDRO-N,N-DIMETHYL-, (2R-(2-α,3-α,3A-β,4-α,6A-β))-

TOXICITY DATA with REFERENCE:

ipr-mus LD :>125 mg/kg JOETD7 57,1,1997

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x.**MLD100 CAS: 848-75-9 HR: 2
N-METHYLLORAZEPAM**mf: C₁₆H₁₂Cl₂N₂O₂ mw: 335.20**PROP:** Crystals from ethanol/tetrahydrofuran. Mp: 205–207°.

SYNS: 7-CHLORO-5-(2-CHLOROPHENYL)-1,3-DIHYDRO-3-HYDROXY-1-METHYL-2H-1,4-BENZODIAZEPIN-2-ONE □ 7-CHLORO-5-(2-CHLOROPHENYL)-3-HYDROXY-1-METHYL-2,3-DIHYDRO-1H-1,4-BENZODIAZEPIN-2-ONE □ LORAMET □ LORMETAZEPAM □ METHYLLORAZEPAM □ NOCTAMID □ RO 5-5516

TOXICITY DATA with REFERENCE:

ipr-rat LD50:6250 mg/kg YACHDS 13(Suppl 3),545,85

orl-mus LD50:1790 mg/kg YACHDS 13(Suppl 3),545,85

ipr-mus LD50:780 mg/kg YACHDS 13(Suppl 3),545,85

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. Note: This is a controlled substance (depressant) listed in the U.S. Code of Federal Regulations, Title 21 Part 1308.14 (1985).**MLD140 CAS: 21019-30-7 HR: 3
METHYLLYCACONITINE**mf: C₃₇H₅₀N₂O₁₀ mw: 682.89

SYNS: ACONITANE-7,8-DIOL, 20-ETHYL-4-(((2-(3-METHYL-2,5-DIOXO-1-PYRROLIDINYL)BE NZOYL)OXY)METHYL)-1,6,14,16-TETRAMETHOXY-, (1-α-4(S),6-β,14-α-16-β)- □ DELARTINE □ DELSEMIDINE □ LYCACONITINE, METHYL-

TOXICITY DATA with REFERENCE:

scu-mus LD50:31,800 µg/kg JAFCAU 41,96,93

ivn-mus LD50:3 mg/kg CTYAD8 15,180,84

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

MLD250 CAS: 361-37-5 HR: 2
1-METHYLLYSERGIC ACID BUTANOLAMIDE

mf: $\text{C}_{21}\text{H}_{27}\text{N}_3\text{O}_2$ mw: 353.51

PROP: A solid. Mp: 194–196°.

SYNS: DESERIL □ DESERNYL □ DESERYL □ 9,10-(DIDEHYDRO-N-(1-HYDROXYMETHYL)PROPYL)-1,6-DIMETHYLERGOLINE-8- β -CARBOXAMIDE □ METHYLLYSERGIC ACID BUTANOLAMIDE □ METHYSERGID □ METHYSERGIDE □ UML 491

TOXICITY DATA with REFERENCE:

cyt-hmn:lym 100 $\mu\text{g}/\text{L}/24\text{H}$ MUREAV 48,205,77

orl-hmn TDLo:28 $\mu\text{g}/\text{kg}$:CNS,GIT ARZNAD 16,220,66

SAFETY PROFILE: Human systemic effects by ingestion: anorexia, headache, nausea or vomiting. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

MLD500 CAS: 7240-57-5 HR: 3
1-METHYLLYSERGIC ACID ETHYLAMIDE

mf: $\text{C}_{19}\text{H}_{23}\text{N}_3\text{O}$ mw: 309.45

SYNS: 9,10-DIDEHYDRO-N-ETHYL-1,6-DIMETHYLERGOLINE-8- β -CARBOXAMIDE □ d-1-METHYLLYSERGIC ACID MONOETHYLAMIDE □ MLA-74

TOXICITY DATA with REFERENCE:

orl-hmn TLDo:25 $\mu\text{g}/\text{kg}$:PSY PSYPAG 1,20,59

ivn-rbt LD50:9 mg/kg 27ZQAG -,101,72

SAFETY PROFILE: Poison by intravenous route. Human systemic effects by ingestion: psychotropic effects. When heated to decomposition it emits toxic fumes of NO_x .

MLE000 CAS: 75-16-1 HR: 3
METHYLMAGNESIUM BROMIDE (ethyl ether solution)

DOT: UN 1928

mf: CH_3BrMg mw: 119.26

PROP: Sol in Et_2O and THF; insol in hydrocarbons. Concentration of ethyl ether is not over 40%.

SYN: METHYL MAGNESIUM BROMIDE in ETHYL ETHER (DOT)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 4.3; Label: Dangerous When Wet, Flammable Liquid

SAFETY PROFILE: May ignite spontaneously in air. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS, MAGNESIUM COMPOUNDS, and BROMIDES.

MLE250 CAS: 917-64-6 HR: 3
METHYLMAGNESIUM IODIDE

mf: CH_3IMg mw: 166.25

PROP: Insol in hydrocarbons.

SYN: IODOMETHYLMAGNESIUM

SAFETY PROFILE: Toxic. Explosive reaction with thiophosphoryl chloride or vanadium trichloride. A

Grignard reagent. When heated to decomposition it emits toxic fumes of I^- . See also IODIDES and MAGNESIUM COMPOUNDS.

MLE600 CAS: 2213-00-5 HR: D
METHYL MARASMATE

mf: $\text{C}_{16}\text{H}_{20}\text{O}_4$ mw: 276.36

SYN: MARASMIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

mmo-sat 50 $\mu\text{g}/\text{disc}$ JANTAJ 36,155,83

dni-mus:ast 3 mg/L JANTAJ 36,155,83

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

MLE650 CAS: 74-93-1 HR: 3
METHYL MERCAPTAN

DOT: UN 1064

mf: CH_4S mw: 48.11

PROP: Gas; odor of rotten cabbage. Mp: -123.1° , vap d: 1.66, lel: 3.9%, uel: 21.8%, bp: 5.95° , d: 0.8665 @ $20^\circ/4^\circ$, solidifies @ -123° , flash p: -0.4°F . Sol in water. IDLH 150 ppm. IDLH 10 mg/m^3 (as Hg).

SYNS: MERCAPTAN METHYLIQUE (FRENCH) □ METANTIOLO (ITALIAN) □ METHAANTHIOL (DUTCH) □ METHANETHIOL □ METHANTHIOL (GERMAN) □ METHYLMERCAPTAAN (DUTCH) □ METILMERCAPTANO (ITALIAN) □ RCRA WASTE NUMBER U153 □ THIOMETHANOL

TOXICITY DATA with REFERENCE:

sln-dmg-ihl 99 pph/6M-C ENVRAL 7,286,74

ihl-rat LC50:675 ppm LacHB# 09JUN78

ihl-mus LC50:6530 $\mu\text{g}/\text{m}^3/2\text{H}$ GTPZAB 16(6),46,72

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

OSHA PEL: TWA 0.5 ppm

DFG MAK: 0.5 ppm (1 mg/m^3)

NIOSH REL: (n-Alkane Monothiols) CL 0.5 ppm/15M

DOT CLASSIFICATION: 2.3; Label: Poison Gas, Flammable Gas

SAFETY PROFILE: Poison by inhalation. Mutation data reported. A common air contaminant. Very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. Reacts with water, steam, or acids to produce toxic and flammable vapors. Violent reaction with mercury(II) oxide. To fight fire, use alcohol foam, CO_2 , dry chemical. Upon decomposition it emits highly toxic fumes of SO_x . See also MERCAPTANS.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #26.

MLE750 CAS: 2365-48-2 HR: 3
METHYLMERCAPTOACETATE

mf: $\text{C}_3\text{H}_6\text{O}_2\text{S}$ mw: 106.15

PROP: Bp: 49° @ 15 mm.

SYNS: MERCAPTOACETIC ACID METHYL ESTER □ METHYL-2-MERCAPTOACETATE □ METHYLTHIOGLYCOLATE □ THIOGLYCOLIC ACID METHYL ESTER □ THIOGLYKOLSAEURE-METHYLESTER (GERMAN) □ USAF EK-7119

TOXICITY DATA with REFERENCE:

orl-rat LD50:209 mg/kg ZHYGAM 20,575,74
 ipr-rat LD50:252 mg/kg ZHYGAM 20,575,74
 ipr-mus LD50:100 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLF000 CAS: 64038-57-9 HR: 3
1-METHYL-2-MERCAPTO-5-IMIDAZOLE
CARBOXYLIC ACID

mf: C₅H₆N₂O₂S mw: 158.19

SYN: USAF EL-97

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLF100 CAS: 52334-99-3 HR: 2
N-METHYL 3-MERCAPTOPROPIONAMIDE

mf: C₄H₉NOS mw: 119.20

SYNS: 3-MERCAPTO-N-METHYLPROPANAMIDE □ PROPANAMIDE, 3-MERCAPTO-N-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H MLD NTIS** OTS0571779

eye-rbt 100 µL/24H SEV NTIS** OTS0571779

orl-rat LD50:730 mg/kg NTIS** OTS0571779

skn-rbt LD50:1010 mg/kg NTIS** OTS0571779

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A mild skin and severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

MLF250 CAS: 502-39-6 HR: 3
METHYLMERCURIC DICYANDIAMIDE

mf: C₃H₆HgN₄ mw: 298.72

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: AGROSOL □ CYANO(METHYLMERCURI)GUANIDINE □ GUANIDINE, CYANO-, METHYLMERCURY deriv. □ MEMA □ METHYLMERCURIC CYANO GUANIDINE □ METHYLMERCURIC DICYANDIAMIDE □ METHYLMERCURY DICYANDIAMIDE □ METHYLMERKURIDIKYANDIAMID □ MMD □ MORSO-DREN □ MORTON EP-227 □ MORTON SOIL DRENCH □ MORTON SOIL-DRENCH-C □ PANDRINOX □ PANO-DRENCH 4 □ PANODRIN A-13 □ PANOGEN □ PANOGEN 15 □ PANOGEN 43 □ PANOGEN PX □ PANOGEN TURF FUNGICIDE □ PANOGEN TURF SPRAY □ PANOSPRAY 30 □ R 8 □ R 8 (fungicide) □ ZAPRAWA NASIENNA PLYNNA

TOXICITY DATA with REFERENCE:

orl-rat LD50:68 mg/kg APPHAX 29,623,72

ipr-rat LD50:13 mg/kg TXAPA9 23,197,72

orl-mus LD50:20 mg/kg PCOC** -,735,66

ipr-mus LD50:20 mg/kg AMSVAZ 143,365,52

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

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

ACGIH TLV: TWA 0.01 mg(Hg)/m³ (skin); STEL 0.03 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 ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Hg and NO_x. See also MERCURY COMPOUNDS.

MLF500 CAS: 5902-79-4 HR: 3
METHYLMERCURIC HLORENDIMIDE

mf: C₁₀H₅Cl₆HgNO₂ mw: 584.45

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: MEMMI □ N-(METHYLMERCURI)-1,4,5,6,7,7-HEXACHLOROBICYCLO(2.2.1)HEPT-5-ENE-2,3-DICARBOXIMIDE □ N-METHYLMERCURI-1,2,3,6-TETRAHYDRO-3,6-ENDOMETH-ANO-3,4,5,6,7,7-HEXACHLOROPHTHALIMIDE □ N-METHYLMERCURI-1,2,3,6-TETRAHYDRO-3,6-METHANO-3,4,5,6,7,7-HEXACHLOROPHTHALIMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:155 mg/kg 28ZEAL 4,282,69

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, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻, Hg, and NO_x. See also MERCURY COMPOUNDS and CHLORIDES.

MLF520 CAS: 32787-44-3 HR: D
METHYLMERCURIC PHOSPHATE

mf: CH₅HgO₄P mw: 312.62

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: MERCURY, (DIHYDROGEN PHOSPHATO)METHYL- □ MERCURY, METHYL(PHOSPHATO(1-)-O)-(9CI) □ METHYLMERCURY PHOSPHATE

TOXICITY DATA with REFERENCE:

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: An experimental teratogen. When heated to decomposition it emits toxic fumes of PO_x and Hg.

**MLF550 CAS: 22967-92-6 HR: 3
METHYLMERCURY**

mf: CH₃Hg mw: 215.63

SYNS: METHYL-MERCURY(1+) (9CI) □ METHYLMERCURY(I) CATION □ METHYLMERCURY ION □ METHYLMERCURY ION(1+)

TOXICITY DATA with REFERENCE:

dnr-smc 1 nmol/L CNJGA8 24,771,82

cyt-ham-ipr 5 mg/kg JACTDZ 3(4),295,84

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: A poison. An experimental teratogen. Experimental reproductive effects. Mutation data reported. Used as a fungicide. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS, ORGANIC.

**MLF750 CAS: 72066-32-1 HR: 3
METHYLMERCURY DIMERCAPTOPROPANOL**

mf: C₁₅H₁₇HgNO₄S₂ mw: 540.04

PROP: IDLH 10 mg/m³ (as Hg).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:37 mg/kg OCHRAI 15,5,63

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. When heated to decomposition it emits very toxic fumes of Hg, NO_x, and SO_x. See also MERCURY COMPOUNDS and MERCAPTANS.

**MLG000 CAS: 1184-57-2 HR: 3
METHYLMERCURY HYDROXIDE**

mf: CH₄HgO mw: 232.64

PROP: Flakes with unpleasant odor. Mp: 137°. IDLH 10 mg/m³ (as Hg).

SYNS: HYDROXYMETHYLMERCURY □ METHYLMERCURIC HYDROXIDE

TOXICITY DATA with REFERENCE:

dni-hmn:hla 10 µmol/L AEMBAP 177,229,84

dni-mus-ipr 1 mg/kg JPETAB 194,171,75

ipr-mus LD50:20 mg/kg OCHRAI 15,5,63

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

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. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of Hg. See also MERCURY COMPOUNDS.

**MLG250 CAS: 5902-76-1 HR: 3
METHYLMERCURY PENTACHLOROPHENATE**

mf: C₇H₃Cl₅HgO mw: 480.94

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: METHYLMERCURIPENTACHLORFENOLAT (CZECH) □ METHYL(PENTACHLOROPHENOXY)MERCURY □ STAUFFER MV242

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,223,72

eye-rbt 50 µg/24H SEV 28ZPAK -,223,72

orl-rat LD50:56 mg/kg 28ZEAL 4,283,69

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, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by ingestion. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻ and Hg. See also CHLORINATED HYDROCARBONS, AROMATIC and MERCURY COMPOUNDS.

**MLG500 CAS: 40661-97-0 HR: 3
METHYLMERCURY PERCHLORATE**

mf: CH₃ClHgO₄ mw: 315.08

PROP: IDLH 10 mg/m³ (as Hg).

CONSENSUS REPORTS: Mercury and its compounds are on the Community Right-To-Know List.
SAFETY PROFILE: A spark-sensitive explosive which may be initiated by static discharge. Upon decomposition it emits toxic fumes of Hg and Cl₂. See also MERCURY COMPOUNDS and PERCHLORATES.

MLG750 CAS: 2597-95-7 HR: 3
METHYLMERCURY PROPANEDIOL-MERCAPTIDE

mf: C₄H₁₀HgO₂S mw: 322.79

PROP: IDLH 10 mg/m³ (as Hg).

SYN: ((DIHDYROXYPROPYL)THIO)METHYLMERCURY

TOXICITY DATA with REFERENCE:

ipr-mus LD50:47 mg/kg OCHRAI 15,5,63

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. When heated to decomposition it emits very toxic fumes of Hg and SO_x. See also MERCURY COMPOUNDS and SULFIDES.

MLH000 CAS: 86-85-1 HR: 3
METHYLMERCURY QUINOLINOLATE

mf: C₁₀H₉HgNO mw: 359.79

PROP: Pale-yellow crystals from hexane. Mp: 90°. IDLH 10 mg/m³ (as Hg).

SYNS: ARTHO LM □ LIQUI-SAN □ LM SEED PROTECTANT □ METASOL □ METAZOL □ 8-(METHYLMERCURIOXY)QUINOLINE □ METHYLMERCURY β-HYDROXYQUINOLATE □ METHYLMERCURY 8-HYDROXYQUINOLINATE □ METHYLMERCURY OXINATE □ METHYLMERCURY OXYQUINOLINATE □ ORTHO-LM APPLE SPRAY □ ORTHO LM CONCENTRATE □ ORTHO LM SEED PROTECTANT □ 8-(QUINOLINOLATO)METHYL MERCURY □ 8-QUINOLINOL, MERCURY COMPLEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:72 mg/kg PCOC** -,739,66

orl-mus LD50:72 mg/kg GUCHAZ 6,347,73

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, Aryl and Inorganic) CL 0.1 mg/m³ (skin)

SAFETY PROFILE: Poison by ingestion. A pesticide. When heated to decomposition it emits very toxic fumes of Hg and NO_x. See also MERCURY COMPOUNDS.

MLH050 CAS: 63869-06-7 HR: 3
METHYLMERCURY TOLUENESULFONATE

PROP: IDLH 10 mg/m³ (as Hg).

SYN: MERCURY, METHYL(TOLUENESULFONATO)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:20 mg/kg NHTIA7 31,207,1950

ACGIH TLV: TWA 0.1 mg(Hg)/m³ (skin)

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

MLH100 CAS: 102280-93-3 HR: 3
METHYL-MERCURY TOLUENESULPHAMIDE

mf: C₉H₁₄Hg₂N₂O₂S mw: 615.49

PROP: IDLH 10 mg/m³ (as Hg).

SYNS: N,N-BIS(METHYLQUECKSILBER)-p-TOLUOL-SULFAMID □ MERCURY, ((p-TOLYL)SULFAMOYL)IMINO-BIS(METHYL)- □ METHYL-QUECKSILBER-TOLUOLSULFAMID □ ((p-TOLYL)SULFAMOYL)IMINO)BIS(METHYLMERCURY)

TOXICITY DATA with REFERENCE:

orl-rat LD50:54 mg/kg AXVMAW 34,383,80

orl-qal LD50:25 mg/kg AXVMAW 34,383,80

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

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

MLH250 CAS: 1082-88-8 HR: 3
α-METHYLMESCALINE

mf: C₁₂H₁₉NO₃ mw: 225.32

SYNS: 3,4,5-TRIMETHOXYAMPHETAMINE □ TRIMETHOXYPHENYL-β-AMINOPROPANE □ 3,4,5-TRIMETHOXYPHENYL-β-AMINOPROPANE

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:800 µg/kg:PSY JMSCA9 101,317,55

ipr-mus LDLo:200 mg/kg EXPEAM 19,127,63

SAFETY PROFILE: Poison by intraperitoneal. Human systemic effects by ingestion: psychotropic effects. When heated to decomposition it emits toxic fumes of NO_x. See also MESCALINE.

MLH500 CAS: 66-27-3 HR: 3
METHYL MESYLATE

mf: C₂H₆O₃S mw: 110.14

PROP: A liquid. D: 1.29 @ 20°/4°, bp: 203° @ 753 mm. Decomp in water. Sol in alc and ether.

SYNS: as-DIMETHYL SULPHATE □ METHANESULPHONIC ACID METHYL ESTER □ METHYL ESTER of METHANESULFONIC ACID □ METHYL ESTER of METHANESULPHONIC ACID □ METHYL METHANESULFONATE □ METHYL METHANESULPHONATE □ METHYL METHANSULFONAT

(GERMAN) □ METHYL METHANSULFONATE □ METHYL METHANSULPHONATE □ MMS □ NSC-50256

TOXICITY DATA with REFERENCE:

mno-sat 1 µL/plate MUREAV 130,79,84
 dns-hmn:fbr 2400 µmol/L ENMUDM 7,267,85
 ihl-rat TLo:50 ppm/6H/6W-I:CAR CALEDQ 33,175,86
 ivn-rat TLo:20 mg/kg/(15D preg):ETA,TER EJCAAH 8,641,72
 unr-rat TLo:20 mg/kg (female 15D post):CAR,TER IARCCD 4,143,73
 scu-mus TLo:5640 mg/kg/64W-I:CAR CNREA8 47,3402,87
 ivn-rat LD:30 mg/kg (female 21D post):ETA,TER EXP TAX 16,157,78
 orl-rat LD50:225 mg/kg FCTXAV 19,347,81
 ipr-rat LD50:114 mg/kg FCTOD7 22,665,84
 scu-rat LD50:125 mg/kg ZEKBAI 74,241,70
 ivn-rat LD50:175 mg/kg ZEKBAI 74,241,70
 ipr-mus LDLo:130 mg/kg YOMJA9 20,105,79
 ivn-dog LDLo:22 mg/kg CCSUBJ 2,203,65

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 7,253,74. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with carcinogenic and neoplastigenic data. Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Human mutation data reported. Experimental teratogenic and reproductive effects. When heated to decomposition it emits toxic fumes of SO_x. See also SULFONATES and ESTERS.

MLH750 CAS: 80-62-6 HR: 3
METHYL METHACRYLATE

DOT: NA 1247

mf: C₅H₈O₂ mw: 100.13

PROP: Colorless liquid; sharp, fruity odor. Mp: -50°, bp: 101.0°, flash p: 50°F (OC), d: 0.936 @ 20°/4°, vap press: 40 mm @ 25.5°, vap d: 3.45, lel: 2.1%, uel: 12.5%. Very sltly sol in water. Sol in Me₂CO. IDLH 1000 ppm.

SYNS: ACRYLIC ACID, 2-METHYL-, METHYL ESTER □ DIAKON □ METAKRYLAN MĘTYLU (POLISH) □ METHACRYLATE de METHYLE (FRENCH) □ METHACRYLIC ACID, METHYL ESTER (MAK) □ METHACRYLSAEUREMETHYL ESTER (GERMAN) □ METHYLESTER KYSELINY METHAKRYLOVE □ METHYLMETHACRYLAAT (DUTCH) □ METHYL-METHACRYLATE (GERMAN) □ METHYL METHACRYLATE MONOMER, INHIBITED (DOT) □ METHYL-α-METHYLACRYLATE □ METHYL-2-METHYL-2-PROPENOATE □ 2-METHYL-2-PROPENOIC ACID METHYL ESTER □ METIL METACRILATO (ITALIAN) □ MME □ "MONOCITE" METHACRYLATE MONOMER □ NCI-C50680 □ 2-PROPENOIC ACID, 2-METHYL-, METHYL ESTER □ RCRA WASTE NUMBER U162

TOXICITY DATA with REFERENCE:

skn-rbt 10 g/kg open JHTAB 23,343,41
 eye-rbt 150 mg INMEAF 14,292,45
 mma-sat 34 mmol/L JBSA3 61-A,1203,79
 mma-mus:lym 500 mg/L ENMUDM 8(Suppl 6),4,86
 ihl-hmn TLo:125 ppm:CNS GISAAA 19(10),25,54
 ihl-hmn TLo:60 mg/m³:CNS,CVS GTPZAB 1,56,57
 orl-rat LD50:7872 mg/kg JHTAB 23,343,41
 ihl-rat LC50:3750 ppm 14CYAT 2,1880,63

ipr-rat LD50:1328 mg/kg JDREAF 51,1632,72
 scu-rat LD50:7500 mg/kg INMEAF 14,292,45
 orl-mus LD50:5204 mg/kg TOLED5 11,125,82
 ihl-mus TLo:5000 ppm/6H/14W-I NTPTR* NTP-TR-314,86
 ihl-mus LC50:18,500 mg/m³/2H GTPZAB 20(6),5,76
 ipr-mus LD50:1000 mg/kg INMEAF 14,292,45
 scu-mus LD50:6300 mg/kg INMEAF 14,292,45
 orl-dog LDLo:5000 mg/kg INMEAF 14,292,45
 scu-dog LD50:4500 mg/kg INMEAF 14,292,45

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Human Inadequate Evidence IMEMDT 19,187,79; Animal Inadequate Evidence IMEMDT 19,187,79. NTP Carcinogenesis Studies (inhalation); No Evidence: mouse, rat NTPTR* NTP-TR-314,86. Reported in EPA TSCA Inventory. Community Right-To-Know List.

OSHA PEL: TWA 100 ppm

ACGIH TLV: TWA 50 ppm; STEL 100 ppm

(sensitizer); Not Classifiable as a Human Carcinogen

DFG MAK: 50 ppm (210 mg/m³)

SAFETY PROFILE: Moderately toxic by inhalation and intraperitoneal routes. Mildly toxic by ingestion. Human systemic effects by inhalation: sleep effects, excitement, anorexia, and blood pressure decrease. Experimental teratogenic and reproductive effects. Mutation data reported. A skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. A common air contaminant.

A very dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. The monomer may undergo spontaneous, explosive polymerization. Reacts in air to form a heat-sensitive explosive product (explodes on evaporation at 60°C). May ignite on contact with benzoyl peroxide. Potentially violent reaction with the polymerization initiators azoisobutyronitrile, dibenzoyl peroxide, di-tert-butyl peroxide, propionaldehyde. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Methyl Methacrylate, 2537.

MLH760 CAS: 1184-85-6 HR: 2
N-METHYLMETHANESULFONAMIDE

mf: C₂H₇NO₂S mw: 109.16

SYNS: METHANESULFONAMIDE, N-METHYL- □ METHAN-SULFONSAURE-N-METHYLAMID

TOXICITY DATA with REFERENCE:

unr-rat LD50:>2 g/kg ARZNAD 19,1073,69

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

MLH765 CAS: 13882-12-7 HR: 3
S-METHYL METHANETHIOSULFINATE

mf: C₂H₆OS₂ mw: 110.20

SYNS: DIMETHYL THIOSULFINATE □ METHANESULFINIC ACID, THIO-, S-METHYL ESTER (6CI,7CI,8CI) □ METHANE-SULFINOTHIOIC ACID, S-METHYL ESTER □ METHYL

METHANETHIOSULFINATE □ S-METHYL THIOMETHANE-SULFINATE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:55 mg/kg FCTOD7 31,491,93

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

MLH800 CAS: 606-45-1 HR: 2

METHYL 2-METHOXYBENZOATE

mf: C₉H₁₀O₃ mw: 166.19

SYNS: o-ANISIC ACID, METHYL ESTER (7Cl,8Cl) □ BENZOIC ACID, 2-METHOXY-, METHYL ESTER □ DIMETHYL SALICYLATE □ o-METHOXYBENZOIC ACID METHYL ESTER □ o-METHOXY METHYL BENZOATE □ METHYL o-ANISATE □ METHYL o-METHOXYBENZOATE □ METHYLSALICYLATE METHYL ETHER

TOXICITY DATA with REFERENCE:

orl-rat LD50:3800 mg/kg FCTOD7 26,385,88

skn-rbt LD50:>5 g/kg FCTOD7 26,385,88

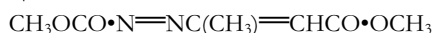
CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLI350 CAS: 63160-33-8 HR: 3

METHYL-3-METHOXY CARBONYLAZO-CROTONATE

mf: C₇H₁₀N₂O₄ mw: 186.17



SAFETY PROFILE: Explodes during vacuum distillation. Potentially dangerous polymerization reaction during storage at room temperature. When heated to decomposition it emits toxic fumes of NO_x.

MLI400 CAS: 943-88-4 HR: 3

METHYL-p-METHOXYCINNAMYLKETONE

mf: C₁₁H₁₂O₂ mw: 176.23

SYNS: ANISALACETONE □ ANISYLIDENE ACETONE □ 3-BUTEN-2-ONE, 4-(4-METHOXYPHENYL)- □ p-METHOXYBENZALACETONE □ 4-METHOXYBENZALACETONE □ p-METHOXYBENZYLIDENEACETONE □ 4-METHOXYBENZYLIDENEACETONE □ 4-(p-METHOXYPHENYL)-3-BUTEN-2-ONE □ p-METHOXYSTYRYL METHYL KETONE □ METHYL p-METHOXYSTYRYL KETONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 13,456,75

skn-rbt LD50:>5 g/kg FCTXAV 13,456,75

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MLI750 CAS: 67292-68-6 HR: 3

2-METHYL-5-METHOXY-N-DIMETHYL-TRYPTAMINE

mf: C₁₄H₂₀N₂O mw: 232.36

SYNS: 4365 CT □ 3-(2-(DIMETHYLAMINO)ETHYL)-5-METHOXY-2-METHYLINDOLE □ METHYL-2-METHOXY-5-N-DIMETHYLTRYPTAMINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:74 mg/kg BSCFAS (5),1411,65

ipr-mus LD50:100 mg/kg BSCFAS (5),1411,65

ivn-mus LD50:48 mg/kg BSCFAS (5),1411,65

ivn-rbt LD50:22 mg/kg BSCFAS (5),1411,65

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

MLI800 CAS: 1080-12-2 HR: 2

METHYL-3-METHOXY-4-HYDROXY STYRYL KETONE

mf: C₁₁H₁₂O₃ mw: 192.23

SYNS: 3-BUTEN-2-ONE, 4-(4-HYDROXY-3-METHOXY-PHENYL)- □ 4-(4-HYDROXY-3-METHOXYPHENYL)-3-BUTEN-2-ONE □ MHSK

TOXICITY DATA with REFERENCE:

orl-mus LDLo:>2 g/kg ARZNAD 37,708,87

ipr-mus LD50:610 mg/kg ARZNAD 37,708,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MLI900 CAS: 143390-89-0 HR: 2

METHYL (E)-2-METHOXYIMINO-2-(o-TOLYLOXYMETHYL)PHENYL)ACETATE

mf: C₁₈H₁₉NO₄ mw: 313.35

SYNS: BENZENEACETIC ACID, α-(METHOXYIMINO)-2-((2-METHYLPHENOXY)METHYL)-, METHYL ESTER, (α-E)- □ KRESOXIM-METHYL □ KRESOXIM-METHYL TECHNICAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:5000 mg/kg FEREAC 64,31130,1999

skn-rat LD50:2000 mg/kg FEREAC 64,31130,1999

ihl-rat LC50:5.6 g/m³ FEREAC 64,31130,1999

SAFETY PROFILE: Moderately toxic by skin contact. Low toxicity by ingestion and inhalation. Questionable carcinogen with experimental data reported. When heated to decomposition it emits toxic vapors of NO_x.

MLJ000 CAS: 29173-31-7 HR: 3

METHYL(((METHOXYMETHYLPHOSPHINOTHIOYL)THIO)ACETYL)METHYL-CARBAMATE

mf: C₇H₁₄NO₄PS₂ mw: 271.31

SYNS: MC 2420 □ MECARPHON

TOXICITY DATA with REFERENCE:

orl-rat LD50:57 mg/kg GUCHAZ 6,324,73

skn-rat LD50:720 mg/kg FMCHA2 -,D191,80

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

MLJ050 CAS: 5462-06-6 HR: 1

2-METHYL-3-(p-METHOXYPHENYL)PROPANAL

mf: C₁₁H₁₄O₂ mw: 178.25

SYNS: BENZENEPROPANAL, 4-METHOXY-α-METHYL- □ CANTHOXAL □ p-METHOXYHYDRATROPALDEHYDE □ 4-

METHOXY- α -METHYLBENZENEPROPANAL \square p-METHOXY- α -METHYLHYDROCINNAMALDEHYDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 26,377,88

skn-rbt LD50:>5 g/kg FCTOD7 26,377,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLJ100 CAS: 1210-56-6 HR: 3
1-METHYL-6-METHOXY-1,2,3,4-TETRAHYDRO- β -CARBOLINE

mf: C₁₃H₁₆N₂O mw: 216.31

SYNS: 6-METHOXY-1-METHYL-1,2,3,4-TETRAHYDRO- β -CARBOLINE \square 9H-PYRIDO(3,4-b)INDOLE, 1,2,3,4-TETRAHYDRO-6-METHOXY-1-METHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:350 mg/kg FATOAO 27,165,64

ivn-mus LD50:56 mg/kg CSLNX* NX#12476

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLJ500 CAS: 926-93-2 HR: 3
1-METHYL-6-(1-METHYLALLYL)-2,5-DITHIOBIUREA

mf: C₇H₁₄N₄S₂ mw: 218.37

PROP: A solid. Mp: 198–200° (decomp).

SYNS: AIMAX \square AY-61122 \square COMPOUND 33,828 \square DITHIO-CARBAMOYLHYDRAZINE \square I.C.I. 33,828 \square MATCH \square METALLIBURE \square METHALLIBURE \square N-((1-METHYLALLYL)THIO-CARBAMOYL)-N'-(METHYLTHIOCARBAMOYL)HYDRAZINE \square 1- α -METHYLALLYLTHIOCARBAMOYL-2-METHYLTHIO-CARBAMOYLHYDRAZINE \square 1-METHYL-6-(1-METHYLALLYL)-DITHIOBIUREA \square NSC-69536 \square SUISSYNCHRON \square TURISYNCHRON

TOXICITY DATA with REFERENCE:

cyt-rat-unr 80 mg/kg AXVMAW 36,759,82

sln-rat-unr 80 mg/kg AXVMAW 36,759,82

orl-rat LD50:1 g/kg NATUAS 192,119,61

ivn-mus LD50:180 mg/kg CSLNX* NX#03991

SAFETY PROFILE: Poison by intravenous route.

Slightly toxic by ingestion. An experimental teratogen.

Human reproductive effects by unspecified route:

menstrual cycle changes or disorders. Experimental

reproductive effects. Mutation data reported. When

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

MLJ750 CAS: 78186-61-5 HR: 3
2-METHYL-2-(METHYLAMINO)-1,3-BENZODIOXOLE HYDROCHLORIDE

mf: C₉H₁₁NO₂•ClH mw: 201.67

TOXICITY DATA with REFERENCE:

ivn-rat LD50:45 mg/kg EJMA5 12,413,77

ipr-mus LD50:100 mg/kg EJMA5 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.

MLK750 CAS: 53499-68-6 HR: 2
N-METHYL-4'-(p-METHYLAMINOPHENYLAZO)-ACETANILIDE

mf: C₁₆H₁₈N₄O mw: 282.38

SYNS: 4-(N-ACETYL-N-METHYL)AMINO-4'-N-METHYL-AMINOAZOBENZENE \square N'-ACETYL-N'-MONOMETHYL-4'-AMINO-N-MONOMETHYL-4-AMINOAZOBENZENE \square N-METHYL-N-(4-((4-(METHYLAMINO)PHENYL)AZO)-PHENYL)ACETAMIDE

TOXICITY DATA with REFERENCE:

mma-sat 250 nmol/plate CNREA8 46,1654,86

dns-rat:lvr 1 μ mol/L CNREA8 46,1654,86

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

MLK775 CAS: 161696-98-6 HR: D
5-METHYL-6-METHYLAMINOQUINOXALINE

mf: C₁₀H₁₁N₃ mw: 173.24

SYNS: N,5-DIMETHYL-6-QUINOXALINAMINE \square 6-QUINOXALINAMINE, N,5-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-bac-sat 500 nmol/plate MUREAV 346,99,95

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

MLK800 HR: 3
6-METHYL-8-METHYLAMINO-s-TRIAZOLO(4,3-b)PYRIDAZINE

mf: C₇H₉N₅ mw: 163.21

SYNS: COMPOSE 134 P (FRENCH) \square METHYL-6-METHYL-AMINO-8-s-TRIAZOLO(4,3b)PYRIDAZINE (FRENCH) \square 134 P

TOXICITY DATA with REFERENCE:

orl-rat LDLo:75 mg/kg AIPTAK 121,154,59

orl-mus LDLo:54 mg/kg AIPTAK 121,154,59

scu-mus LDLo:65 mg/kg AIPTAK 121,154,59

ivn-mus LDLo:40 mg/kg AIPTAK 121,154,59

ivn-rbt LDLo:70 mg/kg AIPTAK 121,154,59

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

MLL000 CAS: 13984-07-1 HR: 3
N-METHYL-N-(5-(N'-METHYLANILINO)-2,4-PENTADIENYLIDENE) ANILINIUM CHLORIDE

mf: C₁₉H₂₁N₂•Cl mw: 312.87

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JMCMA 12,806,69

ipr-mus LD50:50 mg/kg JMCMA 12,806,69

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

MLL100 CAS: 64029-07-8 HR: 3
2-(o-(N-METHYL-N-(N'-METHYL-N'-ETHOXY-

CARBONYLAMINOSULFENYL)CARBAMOYL(OXIMINO)-1,4-DITHIANEmf: C₁₀H₁₇N₃O₄S₂ mw: 339.48**SYN:** CARBAMIC ACID, (((((1,4-DITHIAN-2-YLIDENEAMINO)-OXY)CARBONYL)METHYLAMINO)THIO)METHYL-,ETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:28,300 µg/kg USXXAM #4341795

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MLL150 CAS: 62382-21-2 HR: 3
2-METHYL-N-(N'-METHYL-N'-(4-MORPHOLINOSULFENYL)CARBAMOYLOXY)THIOACETIMIDATE**mf: C₉H₁₇N₃O₃S₂ mw: 279.41**SYNS:** ETHANIMIDOTHIOIC ACID, N-(((METHYL(4-MORPHOLINYLTHIO)AMINO)CARBONYLOXY)-, METHYL ESTER □ METHYL (((METHYL-(4-MORPHOLINOTHIO)AMINO)-CARBONYLOXY)ETHANIMIDOTHIOATE □ U-46855**TOXICITY DATA with REFERENCE:**

orl-rat LD50:105 mg/kg JAFCAU 26,391,1978

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MLL250 CAS: 80-48-8 HR: 3
METHYL-p-METHYLBENZENESULFONATE**mf: C₈H₁₀O₃S mw: 186.24**PROP:** Light-brown crystals; crystals of ethyl ligroin. D: 1.230–1.238 @ 25°/25°, vap d: 6.45, mp: 28°. Insol in water; sol in benzene; very sol in alc and ether.**SYNS:** METHYLESTER KYSELINY p-TOLUENSULFONOVE (CZECH) □ METHYL-4-METHYLBENZENESULFONATE □ METHYL-p-TOLUENESULFONATE □ METHYL TOLUENE-4-SULFONATE □ METHYL TOSYLATE □ METHYL-p-TOSYLATE □ p-TOLUOLSULFONSAEURE METHYL ESTER (GERMAN)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,197,72

eye-rbt 500 mg/24H MLD 28ZPAK -,197,72

orl-rat LD50:341 mg/kg 28ZPAK -,197,72

scu-rat LD50:250 mg/kg ZEKBAI 74,241,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and subcutaneous routes. An eye and severe skin irritant. A vesicant and skin sensitizer. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of SO_x. See also ESTERS and SULFONATES.**MLL500 CAS: 52400-65-4 HR: 3
4-METHYL-1-(2-(2-METHYL-1,3-BENZODIOXOL-2-YL)ETHYL) PIPERAZINE HYDROCHLORIDE**mf: C₁₅H₂₂N₂O₂·ClH mw: 298.85**SYN:** 2-METHYL-2-(2-(4-METHYL-1-PIPERAZINYL)ETHYL)-1,3-BENZODIOXOLE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:20 mg/kg EJMCA5 12,413,77

ipr-mus LD50:110 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.**MLL600 CAS: 53955-81-0 HR: 3
METHYL 2-METHYLBUTYRATE**mf: C₆H₁₂O₂ mw: 116.16**PROP:** Colorless liquid; sweet, fruity, apple-like odor. D: 0.879, refr index: 1.393–1.397, flash p: 91°F. Sol in alc, fixed oils; insol in water.**SYNS:** FEMA No. 2719 □ METHYL 2-METHYLBUTANOATE**SAFETY PROFILE:** Flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes.**MLL650 CAS: 69462-51-7 HR: 1
2-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)PIPERIDINE**mf: C₁₄H₂₃NO mw: 221.38**SYNS:** A13-36564 □ PIPERIDINE, 2-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD AEHA** 51-029-76

eye-rbt 100 mg/24H MOD AEHA** 51-029-76

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**MLL655 CAS: 69462-52-8 HR: 1
3-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)PIPERIDINE**mf: C₁₄H₂₃NO mw: 221.38**SYNS:** A13-36565 □ PIPERIDINE, 3-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD AEHA** 51-029-76

eye-rbt 100 mg/24H MLD AEHA** 51-029-76

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**MLL660 CAS: 69462-53-9 HR: 1
4-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)PIPERIDINE**mf: C₁₄H₂₃NO mw: 221.38**SYNS:** A13-36566 □ PIPERIDINE, 4-METHYL-1-((6-METHYL-3-CYCLOHEXEN-1-YL)CARBONYL)-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD AEHA** 51-029-76

eye-rbt 100 mg/24H MLD AEHA** 51-029-76

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**MLM500 CAS: 68162-93-6 HR: 1
2-METHYL-1-((2-METHYLCYCLOHEXYL)-CARBONYL)PIPERIDINE**mf: C₁₄H₂₅NO mw: 223.40**SYN:** A13-36543**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS** AD-A053-882

eye-rbt 100 mg MOD NTIS** AD-A053-882

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

MLM600 CAS: 64387-78-6 HR: 2
3-METHYL-1-((2-METHYLCYCLOHEXYL)-
CARBONYL)PIPERIDINEmf: C₁₄H₂₅NO mw: 223.40

SYN: AI3-36558

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD AEHA** 51-029-76

eye-rbt 100 mg/24H MLD AEHA** 51-029-76

orl-rat LDLo:3300 mg/kg AEHA** 51-0820-77

SAFETY PROFILE: Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x.**MLM700 CAS: 64387-77-5 HR: 3**
4-METHYL-1-((2-METHYLCYCLOHEXYL)-
CARBONYL)PIPERIDINEmf: C₁₄H₂₅NO mw: 223.40**SYNS:** AI3-36559 □ KETONE, 2-METHYLCYCLOHEXYL 4-METHYLPYPERIDINO □ PIPERIDINE, 4-METHYL-1-((2-METHYLCYCLOHEXYL)CARBONYL)-**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MOD NTIS** AD-A039-531

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** An eye irritant. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**MLN500 CAS: 63041-88-3 HR: 2**
10-METHYL-1',9-METHYLENE-1,2-BENZ-
ANTHRACENEmf: C₂₀H₁₄ mw: 254.34**SYN:** 6-METHYL-11H-BENZ(b,c)ACEANTHRYLENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**MLO250 CAS: 543-39-5 HR: 1**
2-METHYL-6-METHYLENE-7-OCTEN-2-OLmf: C₁₀H₁₈O mw: 154.28**PROP:** Liquid with lemon-like odor. Bp: 105–106° @ 15 mm. Found in leaf oils of *Barosma venusta* and in Oil of Hops (FCTXAV 14,601,76).**SYNS:** 3-METHYLENE-7-METHYL-1-OCTEN-7-OL □ MYRCENOL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 14,617,76

orl-rat LD50:5300 mg/kg FCTXAV 14,617,76

skn-rbt LD50:>5 g/kg FCTXAV 14,617,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**MLO300 CAS: 35700-21-1 HR: 3**
15-METHYL-PGF2-α-METHYL ESTERmf: C₂₂H₃₈O₅ mw: 382.60**PROP:** Crystals from Et₂O/hexane. Mp: 55–56°.**SYNS:** 15(s)15-METHYL-PGF2-α-METHYL ESTER □ 15-METHYL-PROSTAGLANDIN-F2-α-METHYL ESTER □ 15(s)15-METHYL-PROSTAGLANDIN-F2-α-METHYL ESTER □ 15M-PGF2-α**SAFETY PROFILE:** Human reproductive effects by intravaginal route: terminates pregnancy, fertility changes. Other experimental animal reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS and various prostaglandins.**MLO301 CAS: 51629-74-4 HR: 2**
4-METHYL-α-(1-METHYLETHYL)BENZENE-
ACETIC ACID, (5-(2-FURANYLMETHYL)-2-
THIENYL)METHYL ESTERmf: C₂₂H₂₄O₃S mw: 368.52**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>1 g/kg USXXAM #4062968

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of SO_x.**MLO320 CAS: 51629-79-9 HR: 2**
4-METHYL-α-(1-METHYLETHYL)BENZENE-
ACETIC ACID, (4,5,6,7-TETRAHYDRO-
BENZO(B)THIEN-2-YL) METHYL ESTERmf: C₂₁H₂₆O₂S mw: 342.53**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>1 g/kg USXXAM #4062968

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of SO_x.**MLO350 CAS: 51308-72-6 HR: 2**
METHYL (4-(1-METHYLETHYL)PHENYL)-
METHYL 3-PYRIDINYLCARBONIMIDO-
DITHIOATEmf: C₁₇H₂₀N₂S₂ mw: 316.51**SYN:** CARBONIMIDODITHIOIC ACID, 3-PYRIDINYL-, METHYL (4-(1-METHYLETHYL)PHENYL)METHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>1 g/kg USXXAM #3899582

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MLO750 CAS: 13912-77-1 HR: 3**
2-METHYL-2-(α-METHYLHEXYLAMINO)-
PROPYL-p-AMINO BENZOATE
HYDROCHLORIDEmf: C₁₉H₃₂N₂O₂•ClH mw: 356.99**SYNS:** p-AMINO BENZOIC ACID-(2-METHYL-2-(1-METHYL-HEPTYLAMINO))PROPYL ESTER HYDROCHLORIDE □ OCTACAINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:81 mg/kg JACSAT 65,1222,43

scu-mus LDLo:240 mg/kg JACSAT 65,1222,43

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MLO800 CAS: 58654-67-4 HR: 3**
METHYL 3-METHYLHEXYL KETONEmf: C₉H₁₈O mw: 142.27**SYNS:** 5-METHYL-2-OCTANONE □ 2-OCTANONE, 5-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:4807 mg/kg TOLED5 30,13,86

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

MLO900 CAS: 64029-08-9 HR: 3
**METHYL((METHYL(((5-METHYL-1,3-OXATHIO-
 LAN-4-YLIDENE)AMINO)OXY)CARBONYL)-
 AMINO)THIO) CARBAMIC ACID, ETHYL
 ESTER**

mf: C₁₀H₁₇N₃O₅S₂ mw: 323.42

TOXICITY DATA with REFERENCE:

orl-rat LD50:18 mg/kg USXXAM #4341795

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

MLP250 CAS: 36304-84-4 HR: 3
**d-3-METHYL-N-METHYLMORPHINAN
 PHOSPHATE**

mf: C₁₈H₂₅N•H₃O₄P mw: 353.44

PROP: Bitter-tasting crystals. Sltly sol in H₂O and MeOH; insol in Me₂CO, EtOH, CHCl₃, and Et₂O.

SYNS: ASTOMIN □ AT-17 PHOSPHATE □ DIMEMORFAN PHOSPHATE □ (9-α,13-α,14-α)-3,17-DIMETHYLMORPHINAN PHOSPHATE □ 3,17-DIMETHYL-9-α,13-α,14-α-MORPHINAN PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:690 mg/kg MEIEDD 10,466,83

ipr-rat LD50:124 mg/kg OYYAA2 6,1207,72

scu-rat LD50:556 mg/kg NIIRDN 6,345,82

ivn-rat LD50:57 mg/kg MEIEDD 10,466,83

orl-mus LD50:475 mg/kg ARZNAD 26,353,76

scu-mus LD50:223 mg/kg ARZNAD 26,353,76

ivn-mus LD50:33,900 µg/kg OYYAA2 6,1207,72

ivn-dog LD50:35 mg/kg ARZNAD 26,353,76

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. Used as an antitussive agent. When heated to decomposition it emits very toxic fumes of NO_x and PO_x. See also PHOSPHATES.

MLP300 CAS: 15154-19-5 HR: 3
**METHYL 5-METHYL-3-(5-NITRO-2-FURYL)-4-
 ISOXAZOLYL KETONE**

mf: C₁₀H₈N₂O₅ mw: 236.20

SYN: KETONE, METHYL 5-METHYL-3-(5-NITRO-2-FURYL)-4-ISOXAZOLYL

TOXICITY DATA with REFERENCE:

pic-esc 10 µg/L JMCMA12,611,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MLP400 CAS: 123794-13-8 HR: D

**1-METHYL-3-((1-METHYL-4-NITRO-1H-
 IMIDAZOL-2-YL)METHYLENE)-2-
 PYRROLIDINONE**

mf: C₁₀H₁₂N₄O₃ mw: 236.26

SYN: 2-PYRROLIDINONE, 1-METHYL-3-((1-METHYL-4-NITRO-1H-IMIDAZOL-2-YL)METHYLENE)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 10 pmol/plate EMMUEG 19,167,92

uns-bac-esc 10 pmol/tube EMMUEG 19,167,92

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

MLP450 CAS: 141363-23-7 HR: D
**2-METHYL-3-(1-METHYL-5-NITRO-1H-IMIDAZ-
 OL-2-YL)-2-PROPEN-1-OL**

mf: C₈H₁₁N₃O₃ mw: 197.22

SYN: 2-PROPEN-1-OL, 2-METHYL-3-(1-METHYL-5-NITRO-1H-IMIDAZOL-2-YL)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1500 pmol/plate EMMUEG 19,167,92

uns-bac-esc 1500 pmol/tube EMMUEG 19,167,92

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

MLP500 CAS: 66843-04-7 HR: 3
**5-METHYL-5-(1-METHYL-1-PENTENYL)-
 BARBITURIC ACID**

mf: C₁₁H₁₆N₂O₃ mw: 224.29

TOXICITY DATA with REFERENCE:

orl-mus LD50:620 mg/kg JACSAT 61,776,39

ipr-mus LD50:375 mg/kg JACSAT 61,776,39

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x. See also BARBITURATES.

MLP750 CAS: 65210-32-4 HR: 3
**2-METHYL-2-(2-(N-METHYL-N-PHENETHYL-
 AMINO)ETHYL)-1,3-BENZODIOXOLE
 HYDROCHLORIDE**

mf: C₁₉H₂₃NO₂•ClH mw: 333.89

TOXICITY DATA with REFERENCE:

ivn-rat LD50:15 mg/kg EJMCA5 12,413,77

ipr-mus LD50:125 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.

MLP770 CAS: 7467-29-0 HR: D
**4-METHYL-6-((2-METHYLPHENYL)AZO)-1,3-
 BENZENEDIAMINE**

mf: C₁₄H₁₆N₄ mw: 240.34

SYNS: 1,3-BENZENEDIAMINE, 4-METHYL-6-((2-METHYLPHENYL)AZO)- □ 2'-METHYL-2,4-DIAMINO-5-METHYL-AZOBENZENE □ m-PHENYLENEDIAMINE, 4-METHYL-6-((2-METHYLPHENYL)AZO)- □ TOLUENE-2,4-DIAMINE, 5-(o-TOLYLAZO)- (8CI)

TOXICITY DATA with REFERENCE:

mic-sat 10 µLg/plate MUREAV 240,227,1990

dns-rat-lvr 500 ng/well MUREAV 240,227,1990

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

**MLP800 CAS: 77-41-8 HR: 2
N-METHYL- α -METHYL- α -PHENYLSUCCINIMIDE**mf: C₁₂H₁₃NO₂ mw: 203.26**PROP:** Crystals from EtOH (aq). Mp: 52–53°, bp: 121–122° @ 0.1 mm.**SYNS:** CELONTIN □ 1,3-DIMETHYL-3-PHENYL-2,5-DIOXO-PYRROLIDINE □ 1,3-DIMETHYL-3-PHENYL-PYRROLIDIN-2,5-DIONE □ N,2-DIMETHYL-2-PHENYLSUCCINIMIDE □ MESUX-IMIDE □ METHSUXIMIDE □ N-METHYL- α - α -METHYL-PHENYLSUCCINIMIDE □ α -METHYLPHENSUXIMIDE □ α -METHYL- α -PHENYL N-METHYL SUCCINIMIDE □ METSUC-CIMIDE □ PETINUTIN □ PM 396 □ SUCCINIMIDE, N,2-DIMETHYL-2-PHENYL-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:900 mg/kg JPPMAB 6,740,54

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.**MLR400 HR: 3
6-METHYL- α -(4-METHYL-1-PIPERAZINYLCARB-
ONYL)ERGOLINE-8- β -PROPIONITRILE**mf: C₂₄H₃₁N₅O mw: 405.60**SYN:** ERGOLINE-8- β -PROPIONITRILE, 6-METHYL- α -(4-METHYL-1-PIPERAZINYLCARBONYL)-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:400 mg/kg ARZNAD 33,1094,83

SAFETY PROFILE: Poison by ingestion.Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.**MLR500 CAS: 37724-45-1 HR: 3
5-METHYL-4-(4-METHYL-1-PIPERAZINYL)-
THIENO(2,3-d)PYRIMIDINE
HYDROCHLORIDE**mf: C₁₂H₁₆N₄S•ClH mw: 284.84**SYN:** QM-1148**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:41 mg/kg CHTPBA 7,224,72

ivn-mus LD50:12 mg/kg CHTPBA 7,224,72

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and HCl.**MLS250 CAS: 77791-42-5 HR: 2
N-METHYL-2-(2-METHYLPIPERIDINO)-N-(2-
PHENOXYETHYL)ACETAMIDE
HYDROCHLORIDE**mf: C₁₇H₂₆N₂O₂•ClH mw: 326.91**SYN:** C 6575**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,761,58

scu-mus LD50:570 mg/kg ARZNAD 8,761,58

SAFETY PROFILE: Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MLS750 CAS: 77791-43-6 HR: 3
N-METHYL-2-(2-METHYLPIPERIDINO)-N-(2-(o-
TOLYLOXY)ETHYL)-ACETAMIDE
HYDROCHLORIDE**mf: C₁₈H₂₈N₂O₂•ClH mw: 340.94**SYN:** C 6583**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 8,761,58

scu-mus LD50:350 mg/kg ARZNAD 8,761,58

SAFETY PROFILE: Poison by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**MLS800 CAS: 132299-20-8 HR: 2
 α -(3-METHYL-1-(2-METHYLPROPYL)BUTYL)- ω -
HYDROXYPOLY(OXY-1,2-ETHANEDIYL)**mf: (C₂H₄O)_nC₉H₂₀O**SYNS:** POLY(OXY-1,2-ETHANEDIYL), α -(3-METHYL-1-(2-METHYLPROPYL)BUTYL)- ω -HYDROXY- □ SOLVACTANT 7 SOLVENT**TOXICITY DATA with REFERENCE:**skn-rbt 500 μ L/24H MLD NTIS** OTS0537538eye-rbt 5 μ L MOD NTIS** OTS0537538

orl-rat LD50:1070 mg/kg NTIS** OTS0537538

skn-rbt LD50:9510 mg/kg/24H NTIS** OTS0537538

SAFETY PROFILE: Moderately toxic by ingestion.

Low toxicity by skin contact. A mild skin and moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**MLT250 CAS: 50309-11-0 HR: 3
1-METHYL-4-((p-(p-((1-METHYLPYRIDINIUM-4-
YL)AMINO)BENZAMIDO)ANILINO)QUIN-
OLINIUM), DI-p-TOLUENESULFONATE**mf: C₂₉H₂₇N₅O•2C₇H₇O₃S mw: 804.01**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 1600 nmol/L JMCMAR 22,134,79

ipr-mus LD10:7500 μ g/kg JMCMAR 22,134,79**SAFETY PROFILE:** Poison by intraperitoneal route.Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also SULFONATES.**MLT500 CAS: 68772-19-0 HR: 3
1-METHYL-4-(((4-(3-(((1-METHYLPYRIDIN-
IUM-4-YL)AMINO)PHENYL)AMINO)3-OXO-1-
PROPENYL)PHENYL)AMINO)QUINOLIN-
IUM), DIBROMIDE**mf: C₃₁H₂₉N₅O•2Br mw: 647.47**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 380 nmol/L JMCMAR 22,134,79

ipr-mus LD10:22 mg/kg JMCMAR 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route.Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻.**MLT750 CAS: 50309-17-6 HR: 3
1-METHYL-4-((p-(p-((1-METHYLPYRIDINIUM-4-
YL)AMINO)PHENYL)CARBAMOYL)ANILINO)
-7-NITROQUINOLINIUM), DI-p-TOLUENE
SULFONATE**mf: C₂₉H₂₆N₆O₃•2C₇H₇O₃S mw: 849.01**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 690 nmol/L JMCMAR 22,134,79

ipr-mus LD10:27 mg/kg JMCMAR 22,134,79

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

MLU000 CAS: 68772-09-8 HR: 3
1-METHYL-4-((p-((p-((1-METHYLPYRIDINIUM-4-YL)AMINO)PHENYL)CARBAMOYL)ANILINO)QUINOLINIUM), DIBROMIDE

mf: C₂₉H₂₇N₅O•2Br mw: 621.43

TOXICITY DATA with REFERENCE:

dnd-mus:lym 1400 nmol/L JMCMA 22,134,79

ipr-mus LD10:13 mg/kg JMCMA 22,134,79

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

MLU250 CAS: 68772-18-9 HR: 3
1-METHYL-4-(p-((p-((1-METHYLPYRIDINIUM-4-YL)AMINO)STYRYL)ANILINO)QUINOLIUM DIBROMIDE

mf: C₃₀H₂₈N₄•2Br mw: 604.44

TOXICITY DATA with REFERENCE:

dnd-mus:lym 340 nmol/L JMCMA 22,134,79

ipr-mus LD10:23 mg/kg JMCMA 22,134,79

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

MLU750 CAS: 50425-35-9 HR: 3
1-METHYL-4-((p-((p-((1-METHYLPYRIDINIUM-4-YL)PHENYL)CARBAMOYL)ANILINO)QUINOLINIUM), DI-p-TOLUENE SULFONATE

mf: C₂₉H₂₆N₄O•2C₇H₇O₃S mw: 788.99

TOXICITY DATA with REFERENCE:

dnd-mus:lym 890 nmol/L JMCMA 22,134,79

ipr-mus LD10:15 mg/kg JMCMA 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFONATES.

MLW250 CAS: 19056-01-0 HR: 3
1-METHYL-6-((p-((p-((1-METHYLQUINOLINIUM-6-YL)CARBAMOYL)BENZAMIDO)BENZAMIDO)QUINOLINIUM), DI-p-TOLUENE-SULFONATE

mf: C₃₅H₂₉N₅O₃•2C₇H₇O₃S mw: 910.09

TOXICITY DATA with REFERENCE:

dnd-mus:lym 370 nmol/L JMCMA 22,134,79

ipr-mus LD10:100 mg/kg JMCMA 22,134,79

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

MLW500 CAS: 19056-06-5 HR: 3
1-METHYL-6-(((p-((p-((1-METHYLQUINOLINIUM-6-YL)CARBAMOYL)BENZAMIDO)PHENYL), CARBAMOYL)QUINOLINIUM), DI-p-TOLUENE SULFONATE

mf: C₃₅H₂₉N₅O₃•2C₇H₇O₃S mw: 910.09

TOXICITY DATA with REFERENCE:

dnd-mus:lym 300 nmol/L JMCMA 22,134,79

ipr-mus LD10:90 mg/kg JMCMA 22,134,79

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

MLW600 CAS: 21621-75-0 HR: 3
METHYL 5-METHYL-1-(2-QUINOLYL)-4-PYRAZOLYL KETONE

mf: C₁₅H₁₃N₃O mw: 251.31

SYN: KETONE, METHYL 5-METHYL-1-(2-QUINOLYL)-4-PYRAZOLYL

TOXICITY DATA with REFERENCE:

ivn-cat LDLo:9 mg/kg JPMSAE 58,432,69

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.

MLW630 CAS: 21621-73-8 HR: 3
METHYL 5-METHYL-1-(2-QUINOXALINYL)-4-PYRAZOLYL KETONE

mf: C₁₄H₁₂N₄O mw: 252.30

SYN: KETONE, METHYL 5-METHYL-1-(2-QUINOXALINYL)-4-PYRAZOLYL

TOXICITY DATA with REFERENCE:

ivn-cat LDLo:9 mg/kg JPMSAE 58,432,69

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.

MLW750 CAS: 1646-87-3 HR: 3
2-METHYL-2-(METHYLSULFINYL)PROPANAL O-((METHYLAMINO)CARBONYL)OXIME

mf: C₇H₁₄N₂O₃S mw: 206.29

SYNS: ALDICARB SULFOXIDE □ 2-METHYL-2-(METHYLSULFINYL)PROPIONALDEHYDE O-(METHYLCARBAMOYL)-OXIME □ PROPANAL, 2-METHYL-2-(METHYLSULFINYL)-, O-((METHYLAMINO)CARBONYL)OXIME □ PROPIONALDEHYDE, 2-METHYL-2-(METHYLSULFINYL)-, O-(METHYLCARBAMOYL)OXIME □ TEMIK SULFOXIDE

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:54 µg/kg JAMAAP 256,3218,86

orl-rat LD50:490 µg/kg TSCAT* FYI-OTS-0885-0443

ipr-rat LD50:470 µg/kg TSCAT* FYI-OTS-0885-0443

ivn-rat LD50:370 µg/kg TSCAT* FYI-OTS-0885-0443

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Human systemic effects by ingestion: fasciculations, hypermotility or diarrhea, nausea or vomiting. When heated to decomposition it emits toxic vapors of NO_x and SO_x.

MLX000 CAS: 17959-12-5 HR: 2
METHYL((METHYLTHIO)ACETYL)CARBAMIC ACID-*o*-ISOPROPOXYPHENYL ESTER

mf: C₁₄H₁₉NO₄S mw: 297.40

SYNS: ENT 27,351 □ 2-(1-(METHYLETHOXY)PHENYL METHYL((METHYLTHIO)ACETYL)CARBAMATE □ NSC-190949 □ UPJOHN U-22023

TOXICITY DATA with REFERENCE:

orl-rat LD50:650 mg/kg ARSIM* 20,26,66

orl-mus LD50:430 mg/kg ARSIM* 20,26,66

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also CARBAMATES.

MLX250 CAS: 55514-14-2 HR: 3
3-METHYL-2-(METHYLTHIO)-BENZOTHAZOLIUM-p-TOLUENESULFONATE

mf: C₉H₁₀NS₂•C₇H₇O₃S mw: 367.52

SYN: BENZOTHAZOLIUM, 3-METHYL-2-METHYLTHIO-, p-TOLUENESULFONATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#02000

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route.

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

MLX275 CAS: 123298-15-7 HR: D
1-METHYL-2-(METHYLTHIO)-1H-IMIDAZOLE-4,5-DIMETHANOL BIS(METHYLCARBAMATE)HYDROCHLORIDE

mf: C₁₁H₁₈N₄O₄S•ClH mw: 338.85

SYNS: CARMETHIZOLE □ 1H-IMIDAZOLE-4,5-DIMETHANOL, 1-METHYL-2-(METHYLTHIO)-, BIS(METHYLCARBAMATE) (ESTER) MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

dnd-mus-leu 1 mmol/L CNREA8 51,4581,1991

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

MLX300 CAS: 25310-48-9 HR: D
METHYL(METHYLTHIO)MERCURY

mf: C₂H₆HgS mw: 262.73

PROP: Platelets from MeOH. Mp: 25°.

SYNS: MERCURY, (METHANETHIOLATO)METHYL- □ MERCURY METHYLMERCURY SULFIDE □ MERCURY, METHYL(METHYLTHIO)- □ (METHANETHIOLATO)-METHYLMERCURY □ METHYL METHYLMERCURIC SULFIDE

TOXICITY DATA with REFERENCE:

unr-rat TDLo:16 mg/kg (female 1-8D post):TER KUIZAR 41,506,67

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: An experimental teratogen. When heated to decomposition it emits toxic fumes of SO_x and Hg.

MLX750 CAS: 3120-74-9 HR: 3
3-METHYL-4-METHYLTHIOPHENOL

mf: C₈H₁₀OS mw: 154.24

SYNS: 4-(METHYLTHIO)-m-CRESOL □ MMTP □ USAF MA-17

TOXICITY DATA with REFERENCE:

orl-rat LD50:3400 mg/kg GISAAA 43(8),10,78

orl-mus LD50:1000 mg/kg GISAAA 43(8),10,78

ipr-mus LDLo:100 mg/kg NTIS** AD438-895

orl-gpg LD50:3500 mg/kg GISAAA 43(8),10,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MLX800 CAS: 1646-75-9 HR: 3
2-METHYL-2-(METHYLTHIO)PROPANAL OXIME

SYNS: ALDICARB OXIME □ PROPANAL, 2-METHYL-2-(METHYLTHIO)-, OXIME □ PROPIONALDEHYDE, 2-METHYL-2-(METHYLTHIO)-, OXIME □ TEMIK OXIME

TOXICITY DATA with REFERENCE:

msc-mus:lyms 1600 mg/L MUREAV 204,149,88

orl-rat LD50:742 mg/kg TSCAT* FYI-OTS-0885-0443

ihl-rat LC50:1230 mg/m³/4H TSCAT* FYI-OTS-0885-0443

ipr-mus LDLo:100 mg/kg TSCAT* FYI-OTS-0885-0443

skn-rbt LD50:1900 mg/kg TSCAT* FYI-OTS-0885-0443

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion, skin contact and inhalation routes. Mutation data reported. When heated to decomposition it emits toxic vapors of SO_x.

MLX820 CAS: 62382-23-4 HR: 3
2-METHYL-2-(METHYLTHIO)PROPANOL-o-((N-METHYL-N-MORPHOLINOSULFENYL)-CARBAMOYL)OXIME

mf: C₁₁H₂₁N₃O₃S₂ mw: 307.47

SYNS: 2-METHYL-2-(METHYLTHIO)PROPANOL-o-((METHYL-(4-MORPHOLINYLTIO)AMINO)CARBONYL)OXIME □ 2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE-o-(N-METHYL-N-(4-MORPHOLINOSULFENYL)CARBAMOYL)OXIME □ PROPANOL, 2-METHYL-2-(METHYLTHIO)-, o-((METHYL(4-MORPHOLINYLTIO)AMINO)CARBONYL)OXIME

TOXICITY DATA with REFERENCE:

orl-rat LD50:1200 µg/kg USXXAM #4108991

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

MLX830 CAS: 77248-45-4 HR: 3
2-METHYL-2-(METHYLTHIO)PROPIONALDEHYDE-o-((METHYL)(DECOXYSULFINYL)-CARBAMOYL)OXIME

mf: C₁₇H₃₄N₂O₄S₂ mw: 394.65

SYNS: 7,7-DIMETHYL-3-OXO-4-OXA-8-THIA-2,5-DIAZANON-5-ENE-2-SULFINIC ACID DECYL ESTER □ 4-OXA-8-THIA-2,5-DIAZANON-5-ENE-2-SULFINIC ACID, 7,7-DIMETHYL-3-OXO-, DECYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:60 mg/kg JAFCAU 29,567,1981

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

MLX850 CAS: 8064-35-5 HR: 3**METHYL METIRAM****SYNS:** BASFUNGIN □ BASFUNGINE □ PROPYLENE BISDITHIOCARBAMATE**TOXICITY DATA with REFERENCE:**mrc-smc 1000 ppm MUREAV 10,533,70
orl-rat TDLo:312 mg/kg (1-20D preg):REP DBANAD 29,1227,76

orl-cat LD50:5200 mg/kg KHZDAN 20,515,77

ipr-mus LD50:200 mg/kg 85JFAN A275,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intraperitoneal route. Mildly toxic by ingestion. Experimental reproductive effects. Mutation data reported. Used as a pesticide and fungicide. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also CARBAMATES.**MLY000 CAS: 801-52-5 HR: 3****N-METHYLMITOMYCIN C**mf: C₁₆H₂₀N₄O₅ mw: 348.40**PROP:** Purple triclinic crystals. Mp: 201–201.5° (decomp). Antibiotic from *Streptomyces ardens* and *Streptomyces verticillatus* (CCROBU 56,615,72).**SYNS:** 8-AZATHIOXANTHINE □ ENT 50,825 □

METHYLMITOMYCIN □ NSC-56410 □ PORFIROMYCIN □

PORFIROMYCINE □ PORPHYROMYCIN □ PROFIROMYCIN □

5-THIO-1H-*v*-TRIAZOLO(4,5-*d*)PYRIMIDINE-5,7(4H,6H)-DIONE

□ U-14743

TOXICITY DATA with REFERENCE:

mmo-omi 1 mg/plate JGAMA9 11,129,65

dni-hmn:oth 100 µg/L TUMOAB 53,517,67

ivn-hmn TDLo:1500 µg/kg:BLD CCROBU 56,615,72

orl-rat LD50:68 mg/kg UPJOH* 2(6),-71

orl-mus LD50:88,660 µg/kg NCISP* JAN86

ipr-mus LD50:44 mg/kg CNCRA6 30,9,63

scu-mus LD50:53,500 µg/kg NCISP* JAN86

ivn-mus LD50:55 mg/kg JMCMAR 14,103,71

SAFETY PROFILE: Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. Human systemic effects by intravenous route: blood effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**MLY250 CAS: 64-01-7 HR: 2****3-METHYL-4-MONOMETHYLAMINOAZO-BENZENE**mf: C₁₄H₁₄N₃ mw: 224.31**SYN:** N-METHYL-3-METHYL-*p*-AMINOAZOBENZENE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:9864 mg/kg/39W-C:NEO JEMEAV 87,139,48

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x.**MLY500 CAS: 2043-24-5 HR: 3****N-METHYLMONOTHIOSUCCINIMIDE**mf: C₅H₇NOS mw: 129.19**PROP:** Pale yellow needles from CCl₄. Mp: 59–60°.**SYN:** USAF WI-3**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:250 mg/kg NTIS** AD607-952

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.**MLZ000 CAS: 125-72-4 HR: 3**
(-)-17-METHYLMORPHINAN-3-OL TARTRATE DIHYDRATEmf: C₁₇H₂₃NO•C₄H₆O₆•2H₂O mw: 443.55**SYN:** (-)-3-HYDROXY-N-METHYLMORPHINAN TARTRATE DIHYDRATE**TOXICITY DATA with REFERENCE:**

scu-rat LD50:135 mg/kg AIPTAK 85,387,51

ivn-mus LD50:45 mg/kg AIPTAK 85,387,51

ivn-rbt LD50:23 mg/kg AIPTAK 85,387,51

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**MMA000 CAS: 143-98-6 HR: 3**
(+)-17-METHYLMORPHINAN-3-OL TARTRATE HYDRATEmf: C₁₇H₂₃NO•C₄H₆O₆•H₂O mw: 425.53**SYN:** (+)-3-HYDROXY-N-METHYLMORPHINAN TARTRATE HYDRATE**TOXICITY DATA with REFERENCE:**

scu-rat LD50:500 mg/kg AIPTAK 85,387,51

ivn-mus LD50:75 mg/kg AIPTAK 85,387,51

ivn-rbt LD50:23 mg/kg AIPTAK 85,387,51

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO_x.**MMA250 CAS: 109-02-4 HR: 3**
N-METHYL MORPHOLINE**DOT:** UN 2535mf: C₅H₁₁NO mw: 101.17**PROP:** Liquid. Flash p: 75.2°F, d: 0.9, vap d: 3.5, bp: 115°.**SYNS:** METHYLMORPHOLINE (DOT) □ 4-METHYLMORPHOLINE □ MORPHOLINE, N-METHYL-**TOXICITY DATA with REFERENCE:**

skn-rbt 460 mg open MLD UCDS** 6/30/59

eye-rbt 20 mg/24H MLD 85JCAE -,888,86

orl-rat LD50:1960 mg/kg 85GMAT -,85,82

orl-rat LD50:2720 mg/kg JIHTAB 31,60,49

ihl-rat LCLo:2000 ppm/4H JIHTAB 30,60,49

orl-rat LD50:1970 mg/kg TPKVAL 15,116,79

ihl-mus LC50:25,200 mg/m³/2H TPKVAL 15,116,79

skn-rbt LD50:1242 mg/kg JIHTAB 31,60,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid, Corrosive**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. Mildly toxic by inhalation. An irritant to skin, eyes, and mucous membranes. Flammable when exposed to heat or flame, can react vigorously with oxidizing materials. When heated to decomposition it emits toxic fumes of NO_x.

MMA525 CAS: 2014-29-1 HR: 2
 α -METHYL-4-MORPHOLINEACETIC ACID-2,6-XYLYL ESTER HYDROCHLORIDEmf: $C_{15}H_{21}NO_3 \cdot ClH$ mw: 299.80

SYN: FC 448

TOXICITY DATA with REFERENCE:

skn-rbt 200 mg MLD BCFAAI 107,310,68

eye-rbt 1 g MLD BCFAAI 107,310,68

scu-mus LD50:1500 mg/kg BCFAAI 107,310,68

SAFETY PROFILE: Moderately toxic by subcutaneous route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl . See also ESTERS.**MMA600 CAS: 110147-48-3 HR: 3**
METHYL 10-(3-MORPHOLINOPROPYL)PHENOTHIAZIN-2-YL KETONEmf: $C_{21}H_{24}N_2O_2S$ mw: 368.53SYNS: 3-ACETYL-10-(3'-MORPHOLINOPROPYL)PHENOTHIAZIN \square KETONE, METHYL 10-(3-MORPHOLINOPROPYL)-PHENOTHIAZIN-2-YL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2500 mg/kg AIPTAK 115,1,58

ivn-mus LD50:164 mg/kg AIPTAK 115,1,58

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. Moderately toxic by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x .**MMB500 CAS: 1321-94-4 HR: 1**
METHYLNAPHTHALENEmf: $C_{11}H_{10}$ mw: 142.21

SYN: METHYLNAPHTALENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,26,72

eye-rbt 500 mg/24H MLD 85JCAE -,49,86

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 other methylnaphthalene entries.**MMB750 CAS: 90-12-0 HR: 2**
1-METHYLNAPHTHALENEmf: $C_{11}H_{10}$ mw: 142.21**PROP:** Colorless liquid or oil. D: 1.0202 @ 20°/4°, mp: -22°, bp: 241°, autoign temp: 984°F. Insol in water; sol in alc and ether.SYN: α -METHYLNAPHTHALENE**TOXICITY DATA with REFERENCE:**

mma-sat 6 mmol/L/2H CNREA8 39,4152,79

orl-rat LD50:1840 mg/kg 85GMAT -,85,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Mutation data reported. Combustible when exposed to heat, flame, or oxidizers. To fight fire, use dry chemical, CO_2 , water spray or mist, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also other methylnaphthalene entries.**MMC000 CAS: 91-57-6 HR: 2**
2-METHYLNAPHTHALENEmf: $C_{11}H_{10}$ mw: 142.21**PROP:** Solid or crystals. D: 1.0058 @ 20°/4°, bp: 241.1°, mp: 37–38°. Insol in water; sol in alc and ether.SYN: β -METHYLNAPHTHALENE**TOXICITY DATA with REFERENCE:**

cyt-hmn:lym 4 mmol/L MUREAV 208,155,88

sce-hmn:lym 250 μ mol/L MUREAV 208,155,88

orl-rat LD50:1630 mg/kg 85GMAT -,85,82

ipr-mus LDLo:1000 mg/kg TXAPA9 61,185,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also other methylnaphthalene entries.**MMC250 CAS: 481-85-6 HR: 3**
2-METHYL-1,4-NAPHTHALENEDIOLmf: $C_{11}H_{10}O_2$ mw: 174.21**PROP:** Crystals from AcOH or toluene. Mp: 177–178°.SYNS: MENADIOL \square METHYLNAPHTHOHYDROQUINONE \square 2-METHYL-1,4-NAPHTHOHYDROQUINONE \square 2-METHYL-1,4-NAPHTHOQUINOL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:30 mg/kg JPETAB 75,111,42

ipr-mus LDLo:400 mg/kg CRSBAW 143,585,49

scu-mus LDLo:80 mg/kg JPETAB 71,210,41

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. When heated to decomposition it emits acrid smoke and irritating fumes.**MMD000 CAS: 2869-09-2 HR: 2**
5-METHYLNAPHTHO(1,2,3,4-def)CHRYSENEmf: $C_{25}H_{16}$ mw: 316.41

SYN: 2'-METHYL-1,2,4,5-DIBENZOPYRENE

TOXICITY DATA with REFERENCE:

scu-mus TDLo:72 mg/kg/9W-I:ETA COREAF 259,3899,64

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**MMD250 CAS: 2869-10-5 HR: 2**
6-METHYLNAPHTHO(1,2,3,4-def)CHRYSENEmf: $C_{25}H_{16}$ mw: 316.41

SYN: 3'-METHYL-1,2,4,5-DIBENZOPYRENE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**MMD500 CAS: 58-27-5 HR: 3**
2-METHYL-1,4-NAPHTHOQUINONEmf: $C_{11}H_8O_2$ mw: 172.19**PROP:** Bright-yellow crystals from ligroin, AcOH (aq), or EtOH. Insol in H_2O ; spar sol in EtOH.SYNS: AQUAKAY \square AQUINONE \square HEMODAL \square KAERGONA \square KANONE \square KAPPAXAN \square KARCON \square KAREON \square KATIV-G \square KAYKLOT \square KAYQUINONE \square KIPCA \square KLOTTONE \square KOAXIN \square KOLKLOT \square K-THROMBYL \square K-

VITAN □ MENADION □ MENADIONE □ MENAPHTHON □ MENAPHTONE □ 2-METHYL-1,4-NAPHTHALENDIONE □ 2-METHYL-1,4-NAPHTHALENEDIONE □ 2-METHYL-1,4-NAPHTHOCHINON (GERMAN) □ 3-METHYL-1,4-NAPHTHOQUINONE □ MITENON □ MNQ □ NSC-4170 □ PANOSINE □ PROKAYVIT □ SYNKAY □ THYLOQUINONE □ USAF EK-5185 □ VITAMIN K2(O) □ VITAMIN K3

TOXICITY DATA with REFERENCE:

mmo-sat 4 µg/plate ABCHA6 45,327,81
dnd-hmn:fbr 20 µmol/L TOLED5 28,37,85
ipr-rat LD50:75 mg/kg TXAPA9 18,185,71
orl-mus LD50:500 mg/kg MEIEDD 10,831,83
ipr-mus LD50:50 mg/kg NTIS** AD691-490
scu-mus LD50:138 mg/kg JPETAB 75,111,42
orl-rbt LDLo:230 mg/kg JPETAB 75,111,42

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and subcutaneous routes. Experimental teratogenic effects. Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

MMD750 CAS: 57414-02-5 HR: 3 2-METHYL-1,4-NAPHTHOQUINONE, SODIUM BISULFITE, TRIHYDRATE

mf: $C_{11}H_9O_2 \cdot HNaO_3S \cdot 3H_2O$ mw: 331.32

SYNS: MENADION-NATRIUM-BISULFIT TRIHYDRAT (GERMAN) □ 2-METHYL-1,4-NAPHTHOCHINON-NATRIUM-BISULFIT TRIHYDRAT (GERMAN) □ VITAMIN K3-NATRIUM-BISULFIT TRIHYDRAT (GERMAN)

TOXICITY DATA with REFERENCE:

orl-mus LD50:2500 mg/kg ARZNAD 17,1339,67
ipr-mus LD50:500 mg/kg ARZNAD 17,1339,67
ivn-mus LD50:400 mg/kg ARZNAD 17,1339,67

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO_x and Na_2O . See also SULFITES.

MME250 CAS: 2216-68-4 HR: 2 N-METHYL-1-NAPHTHYLAMINE

mf: $C_{11}H_{11}N$ mw: 157.23

TOXICITY DATA with REFERENCE:

orl-rat LD50:1410 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 toxic fumes of NO_x . See also AMINES.

MMF500 CAS: 10546-24-4 HR: 3 3-METHYL-2-NAPHTHYLAMINE

mf: $C_{11}H_{11}N$ mw: 157.23

PROP: Crystals from pet ether. Mp: 135–135.5°.

TOXICITY DATA with REFERENCE:

scu-ham TDLo:4440 mg/kg/94W-I:CAR JJIND8 67,481,81

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and tumorigenic data. When

heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

MME750 CAS: 5096-18-4 HR: 2 3-METHYL-2-NAPHTHYLAMINE HYDROCHLORIDE

mf: $C_{11}H_{11}N \cdot ClH$ mw: 193.69

TOXICITY DATA with REFERENCE:

orl-rat TDLo:1500 mg/kg:CAR CNREA8 26,619,66
orl-rat LDLo:1500 mg/kg CNREA8 26,619,66

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

MME800 CAS: 27636-33-5 HR: 2 N-METHYL NAPHTHYLCARBAMATE

mf: $C_{12}H_{11}NO_2$ mw: 201.24

SYN: CARBAMIC ACID, METHYL-, NAPHTHALENYL ESTER

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

MME809 CAS: 5903-13-9 HR: 3 N-METHYL-N-(1-NAPHTHYL)FLUOROACETAMIDE

mf: $C_{13}H_{12}FNO$ mw: 217.26

SYNS: 1-(N-ACETAMIDOFLUOROMETHYL)-NAPHTHALENE □ DP X 1410 □ FAM □ 2-FLUORO-N-METHYL-N-1-NAPHTHALENYLACETAMIDE □ 2-FLUORO-N-METHYL-N-1-NAPHTHYLACETAMIDE □ N-METHYL-N-(1-NAPHTHYL)MONOFLUOROACETAMIDE □ MFNA □ MNFA □ NISSOL EC

TOXICITY DATA with REFERENCE:

orl-rat LD50:67 mg/kg SAIGBL 9,563,67
skn-rat LD50:213 mg/kg WRPCA2 9,119,70
scu-rat LD50:41 mg/kg TXAPA9 12,536,68
orl-mus LD50:200 mg/kg OYYAA2 4,463,70
skn-mus LD50:372 mg/kg SPEADM 74-1,-,74
ipr-mus LD50:164 mg/kg TXAPA9 12,536,68
scu-mus LD50:216 mg/kg TXAPA9 12,536,68
orl-dog LD50:2 mg/kg JIDOA 21,88,72
skn-dog LD50:2750 µg/kg NYKZAU 65,182,69
ipr-dog LDLo:2 mg/kg TXAPA9 12,536,68
orl-mky LD50:300 mg/kg 85DPAN -,71/76
skn-mky LDLo:800 mg/kg TXAPA9 12,536,68

SAFETY PROFILE: Poison by ingestion, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of F^- and NO_x .

MMF500 CAS: 598-58-3 HR: 3 METHYL NITRATE

mf: CH_3NO_3 mw: 77.05

PROP: Colorless liquid. Bp: 65° (explodes), d: 1.208 @ 20°/4°, vap d: 2.66, mp: -83°. Sltly sol in water; sol in alc, ether.

SYN: NITRIC ACID METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:344 mg/kg AMRL** TR-77-25,77
ihl-rat LC50:1275 ppm/4H AMRL** TR-77-25,77
orl-mus LD50:1820 mg/kg AMRL** TR-77-25,77

ihl-mus LC50:5942 ppm/4H AMRL** TR-77-25,77

orl-gpg LD50:548 mg/kg AMRL** TR-77-25,77

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation. A dangerous fire and explosion hazard by spontaneous chemical reaction. A very shock- and heat-sensitive explosive. Explodes when heated to 65°C. It does not require external O₂ for combustion. A rocket fuel. When heated to decomposition it emits toxic fumes of NO_x. See also NITRATES.

MMF600**HR: 3**

2-METHYL-1-NITRATODIMERCURIO-2-NITRATOMERCURIO PROPANE

mf: C₄H₈Hg₂N₂O₆ mw: 781.89O₃NHgHgCH₂C(CH₃)₂HgNO₃**PROP:** IDLH 10 mg/m³ (as Hg).

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

SAFETY PROFILE: Explodes on impact at 80°C. When heated to decomposition it emits toxic fumes of Hg and NO_x. See also MERCURY COMPOUNDS.

MMF750**CAS: 624-91-9****HR: 3****METHYL NITRITE**mf: CH₃NO₂ mw: 61.05

PROP: Gas above 10.4°F. Mp: -17°, bp: -12°, d: 0.991 @ 15°. Sol in alc, ether.

SYN: NITROUS ACID, METHYL ESTER**TOXICITY DATA with REFERENCE:**

mmo-sat 100 ppm MUREAV 117,47,83

mma-sat 100 ppm MUREAV 117,47,83

ihl-rat LC50:176 ppm/4H FAATDF 8,101,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Moderately toxic by inhalation. Mutation data reported. Narcotic in high concentration. A very dangerous fire and explosion hazard when exposed to heat or flame. A heat-sensitive explosive more powerful than ethyl nitrite. When heated to decomposition it emits toxic fumes of NO_x. See also NITRITES and n-AMYL NITRITE.

MMF780**CAS: 99-52-5****HR: D****2-METHYL-4-NITROANILINE**mf: C₇H₈N₂O₂ mw: 152.17

SYNS: ANILINE, 2-METHYL-4-NITRO- □ ANSIBASES RED RL □ AZOGENE FAST RED GL BASE □ AZOGENE FAST RED NRL SALT □ AZOGENE FAST RED RL □ BENZENAMINE, 2-METHYL-4-NITRO- □ C.I. 37100 □ DAITO RED BASE RL □ DEVOL RED SALT E □ DIABASE RED RL □ DIAZO FAST RED RL □ FAST RED BASE RL □ FAST RED 5NT □ FAST RED 5NT SALT □ FAST RED RL BASE □ FAST RED SALT RL □ HILTONIL FAST RED RL BASE □ HILTOSAL FAST RED RL SALT □ KAKO RED RL BASE □ KAYAKU RED RL BASE □ MEISI FAST RED RL BASE □ MITSUI RED RL BASE □ NAPHTHOELAN RED RL BASE □ RED BASE CIBA X □ RED BASE IRGA X □ RED BASE NRL □ RED RL BASE □ SANYO FAST RED RL BASE □ SANYO FAST RED SALT RL □ SPECTROLENE RED RL □ SYMULON

RED RL BASE □ o-TOLUIDINE, 4-NITRO- □ TULABASE FAST

RED RL □ YAMADA FAST RED RL BASE

TOXICITY DATA with REFERENCE:

mmo-sat 2500 µg/plate SAIGBL 29,34,87

mma-sat 1 mg/plate 54DEAI -,497,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MMF800**CAS: 100-15-2****HR: 2****N-METHYL-4-NITROANILINE**mf: C₇H₈N₂O₂ mw: 152.15O₂NC₆H₄NHCH₃

PROP: Brownish-yellow prisms with violet reflex from EtOH. Mp: 152°.

SAFETY PROFILE: Vigorous exothermic reaction with carbyl sulfate when heated above 75°C. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

MMG000**CAS: 129-15-7****HR: 3****2-METHYL-1-NITROANTHRAQUINONE**mf: C₁₅H₉NO₄ mw: 267.25

SYNS: 2-METHYL-1-NITRO-9,10-ANTHRACENEDIONE □ NCI-C01923 □ 1-NITRO-2-METHYLANTHRAQUINONE □ 1-N-2-MA (RUSSIAN)

TOXICITY DATA with REFERENCE:

mmo-sat 33 µg/plate ENMUDM 8(Suppl 7),1,86

ipr-rat LD50:1100 mg/kg GTPZAB 21(12),27,77

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 27,205,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: rat NCITR* NCI-CG-TR-29,78; (feed); Clear Evidence: mouse IJCNaw 19,117,77.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastic data. Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

MMG100**CAS: 59229-75-3****HR: D****2-METHYL-5-NITRO-1,3-BENZENEDIAMINE**mf: C₇H₉N₃O₂ mw: 167.19

SYNS: 1,3-BENZENEDIAMINE, 2-METHYL-5-NITRO- □ 2,6-DIAMINO-4-NITROTOLUENE

TOXICITY DATA with REFERENCE:

mic-sat 37700 nmol/L MUREAV 444,25,1999

slt-ham-ovr 150 ppm/5H JJATDK 20,441,2000

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

MMG200**CAS: 25917-89-9****HR: D****2-METHYL-5-NITRO-1,4-BENZENEDIAMINE**mf: C₇H₉N₃O₂ mw: 167.19

SYNS: 4-AMINO-3-NITRO-6-METHYLANILINE □ 1,4-BENZENEDIAMINE, 2-METHYL-5-NITRO-

TOXICITY DATA with REFERENCE:

mic-bac-sat 20 µg/plate MUREAV 307,83,94

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

MMG210 CAS: 155379-82-1 HR: D
2-METHYL-6-NITRO-1,4-BENZENEDIAMINE

mf: C₇H₉N₃O₂ mw: 167.19

SYNS: 4-AMINO-3-NITRO-5-METHYLANILINE □ 1,4-BENZENEDIAMINE, 2-METHYL-6-NITRO-

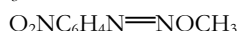
TOXICITY DATA with REFERENCE:

mic-bac-sat 100 µg/plate MUREAV 307,83,94

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

MMH000 CAS: 62375-91-1 HR: 3
METHYL-2-NITROBENZENE DIAZOATE

mf: C₇H₇N₃O₃ mw: 181.15



SAFETY PROFILE: Explodes violently when heated. May explode in storage. Upon decomposition it emits toxic fumes of NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

MMH250 CAS: 121-03-9 HR: 2
2-METHYL-5-NITROBENZENESULFONIC ACID

mf: C₇H₇NO₅S mw: 217.21

PROP: Plates from H₂O. Mp: 133.5°.

SYN: KYSELINA-4-NITROTOLUEN-2-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,182,72

eye-rbt 2 mg/24H SEV 28ZPAK -,182,72

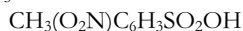
orl-rat LD50:3710 mg/kg 28ZPAK -,182,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and SULFONATES.

MMH400 CAS: 97-06-3 HR: 2
4-METHYL-3-NITROBENZENE SULFONIC ACID

mf: C₇H₇NO₅S mw: 217.20



PROP: Long pale-yellow needles from H₂O. Mp: 92°.

SAFETY PROFILE: Decomposes exothermically at 170°C. When heated to decomposition it emits toxic fumes of NO_x and SO_x. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS and SULFONATES.

MMH500 CAS: 121-02-8 HR: 2
2-METHYL-5-NITROBENZENESULFONYL CHLORIDE

mf: C₇H₆ClNO₄S mw: 235.65

PROP: Plates or prisms from Et₂O/pet ether. Mp: 46–47°, bp: 183–185 @ 10 mm.

SYNS: 4-NITROTOLUEN-2-SULFOCHLORID (CZECH) □ 5-NITRO-*o*-TOLUENESULFONYL CHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,199,72

eye-rbt 20 mg/24H SEV 28ZPAK -,199,72

orl-rat LD50:7470 mg/kg 28ZPAK -,199,72

SAFETY PROFILE: Mildly toxic by ingestion. A skin and severe eye irritant. When heated to decomposition it emits very toxic fumes of Cl⁻, SO_x and NO_x. See also SULFONATES and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

MMH740 CAS: 5709-68-2 HR: 3
1-METHYL-2-NITROBENZIMIDAZOLE

mf: C₈H₇N₃O₂ mw: 177.18

TOXICITY DATA with REFERENCE:

mno-sat 1 nmol/plate MUREAV 173,169,86

orl-mus LD50:500 mg/kg AACHAX -,478,65

ipr-mus LD50:199 mg/kg AACHAX -,478,65

scu-mus LD50:375 mg/kg AACHAX -,478,65

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

MMI000 CAS: 619-50-1 HR: 3
METHYL-p-NITROBENZOATE

mf: C₈H₇NO₄ mw: 181.16

PROP: Monoclinic crystals. Mp: 96°. Insol in water; sol in alc and ether.

TOXICITY DATA with REFERENCE:

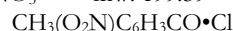
ipr-mus LD50:200 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MMI250 CAS: 50424-93-6 HR: 3
3-METHYL-2-NITROBENZOYL CHLORIDE

mf: C₈H₆ClNO₃ mw: 199.59

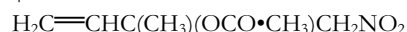


PROP: Crystals from CS₂.

SAFETY PROFILE: May explode when heated above 120°C in vacuum. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also CHLORIDES and NITRO COMPOUNDS of AROMATIC HYDROCARBONS.

MMI640 CAS: 61447-07-2 HR: 2
3-METHYL-4-NITRO-1-BUTEN-3-YL ACETATE

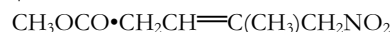
mf: C₇H₁₁NO₄ mw: 173.17



SAFETY PROFILE: Decomposes when heated above 100°C. Upon decomposition it emits toxic fumes of NO_x.

MMI650 HR: 2
3-METHYL-4-NITRO-2-BUTEN-1-YL ACETATE

mf: C₇H₁₁NO₄ mw: 173.17



SAFETY PROFILE: Decomposes above 100°C. When heated to decomposition it emits toxic fumes of NO_x.

MMI700 CAS: 61166-04-9 HR: D

9-METHYL-3-NITROCARBAZOLEmf: C₁₃H₁₂N₂ mw: 196.27**SYNS:** 9H-CARBAZOL-3-AMINE, 9-METHYL- □ 9-METHYL-9H-CARBAZOL-3-AMINE**TOXICITY DATA with REFERENCE:**

mic-sat 20 µL/g/plate MUREAV 389,247,1997

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MMI710 CAS: 61166-05-0 HR: D****9-METHYL-3-NITROCARBAZOLE**mf: C₁₃H₁₀N₂O₂ mw: 226.25**SYNS:** 9H-CARBAZOLE, 9-METHYL-3-NITRO- □ 9-METHYL-3-NITRO-9H-CARBAZOLE**TOXICITY DATA with REFERENCE:**

mic-sat 1 µL/g/plate MUREAV 389,247,1997

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MMJ000 CAS: 21638-36-8 HR: 2****4-METHYL-1-((5-NITROFURFURYLIDENE)-AMINO)-2-IMIDAZOLIDINONE**mf: C₈H₁₀N₄O₄ mw: 226.22**TOXICITY DATA with REFERENCE:**

mma-sat 100 ng/plate MUREAV 48,295,77

mmo-esc 500 nmol/well CNREA8 34,2266,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**MMJ950 CAS: 7194-19-6 HR: 2****5-METHYL-3-(5-NITRO-2-FURYL)ISOXAZOLE**mf: C₈H₆N₂O₄ mw: 194.16**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**MMJ955 CAS: 17960-21-3 HR: 3**
METHYL 3-(5-NITRO-2-FURYL)-5-PHENYL-4-ISOXAZOLYL KETONEmf: C₁₅H₁₀N₂O₅ mw: 298.27**SYN:** KETONE, METHYL 3-(5-NITRO-2-FURYL)-5-PHENYL-4-ISOXAZOLYL**TOXICITY DATA with REFERENCE:**

pic-esc 600 µg/L JMCMA 12,611,69

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**MMJ960 CAS: 5052-75-5 HR: 2****5-METHYL-3-(5-NITRO-2-FURYL)PYRAZOLE**mf: C₈H₇N₃O₃ mw: 193.18**TOXICITY DATA with REFERENCE:**

dnd-mus:fbr 300 µmol/L BJCAAI 3,124,78

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported.When heated to decomposition it emits toxic fumes of NO_x.**MMJ975 CAS: 53757-29-2 HR: 2**
2-METHYL-4-(5-NITRO-2-FURYL)THIAZOLEmf: C₈H₆N₂O₃S mw: 210.22**TOXICITY DATA with REFERENCE:**

mmo-sat 100 ng/plate MUREAV 40,9,76

dnr-esc 500 nmol/well CNREA8 34,2266,74

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x.**MMK000 CAS: 10187-79-8 HR: 3**
N-(1-METHYL-3-(5-NITRO-2-FURYL)-s-TRIAZOL-5-YL)-ACETAMIDEmf: C₉H₉N₅O₄ mw: 251.23**SYNS:** 5-ACETAMIDO-1-METHYL-3-(5-NITRO-2-FURYL)-s-TRIAZOLE □ N-(1-METHYL-3-(5-NITRO-2-FURYL)-1H-1,2,4-TRIAZOL-5-YL)ACETAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:600 mg/kg JMCMA 16,312,73

ipr-mus LD50:300 mg/kg JMCMA 16,312,73

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**MML250 CAS: 4245-76-5 HR: D**
N-METHYL-N'-NITROGUANIDINEmf: C₂H₆N₄O₂ mw: 118.12**PROP:** Crystals from EtOH (aq). Mp: 160–161°.**SYN:** 1-METHYL-3-NITROGUANIDINE**TOXICITY DATA with REFERENCE:**

cyt-ham:lng 3300 mg/L GMCRC 27,95,81

eye-ham:lng 3300 mg/L GMCRC 27,95,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**MML500 HR: 2**
1-METHYL-3-NITROGUANIDINE mixed with SODIUM NITRITE (1:1)**SYN:** SODIUM NITRITE mixed with 1-METHYL-3-NITROGUANIDINE (1:1)**TOXICITY DATA with REFERENCE:**

dns-hmn:fbr 100 µmol/L/3H IJCNW 16,284,75

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. Human mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and Na₂O. See also N-METHYL-N'-NITROGUANIDINE and SODIUM NITRITE.**MML550 HR: 3**
1-METHYL-3-NITROGUANIDINIUM NITRATEmf: C₂H₇N₅O₃ mw: 181.11**SAFETY PROFILE:** Explodes on impact. When heated to decomposition it emits toxic fumes of NO_x. See also NITRATES.

MML575 **HR: 3****1-METHYL-3-NITROGUANIDINIUM
PERCHLORATE**mf: $C_2H_7ClN_4O_6$ mw: 218.55**SAFETY PROFILE:** Explodes violently upon impact. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also PERCHLORATES.**MML750** **CAS: 1671-82-5** **HR: 3****1-METHYL-2-NITROIMIDAZOLE**mf: $C_4H_5N_3O_2$ mw: 127.12**TOXICITY DATA with REFERENCE:**mmo-esc 5 μ mol/L BJCAAI 37,60,78
orl-mus LD50:126 mg/kg JMCAR 12,775,69
ipr-mus LD50:126 mg/kg AACHAX -,478,65
scu-mus LD50:158 mg/kg AACHAX -,478,65**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and subcutaneous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMM000** **CAS: 3034-41-1** **HR: D****1-METHYL-4-NITRO-1H-IMIDAZOLE**mf: $C_4H_5N_3O_2$ mw: 127.12**PROP:** Needles from H_2O . Mp: 133–134°.**SYN:** 1-METHYL-4-NITROIMIDAZOLE**TOXICITY DATA with REFERENCE:**mmo-sat 1 mmol/L MUREAV 66,207,79
mmo-klp 2 mmol/L/20H MUREAV 66,207,79**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMM500** **CAS: 696-23-1** **HR: D****2-METHYL-5-NITROIMIDAZOLE**mf: $C_4H_5N_3O_2$ mw: 127.12**SYN:** 2-METHYL-5-NITRO-1H-IMIDAZOLE**TOXICITY DATA with REFERENCE:**mmo-sat 3 mmol/L MUREAV 66,207,79
mmo-klp 5 mmol/L/20H MUREAV 66,207,79**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMM750** **CAS: 14003-66-8** **HR: D****4-METHYL-5-NITROIMIDAZOLE**mf: $C_4H_5N_3O_2$ mw: 127.12**SYN:** 4-METHYL-5-NITRO-1H-IMIDAZOLE**TOXICITY DATA with REFERENCE:**mmo-klp 10 μ mol/L/20H MUREAV 66,207,79**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMN250** **CAS: 443-48-1** **HR: 3****2-METHYL-5-NITROIMIDAZOLE-1-ETHANOL**mf: $C_6H_9N_3O_3$ mw: 171.18**PROP:** Cream-colored crystals from EtOAc. Mp: 158–160°.**SYNS:** ACROMONA □ ANAGIARDIL □ ATRIVYL □ BAYER 5360 □ BEXON □ CLONT □ CONT □ DANIZOL □ DEFLAMON-WIRKSTOFF □ EFLORAN □ ELYZOL □ ENTIZOL□ 1-(β -ETHYLOL)-2-METHYL-5-NITRO-3-AZAPYRROLE □ EUMIN □ FLAGEMONA □ FLAGESOL □ FLAGIL □ FLAGYL □ GIATRICAL □ GINEFLAVIR □ 1-HYDROXYETHYL-2-METHYL-5-NITROIMIDAZOLE □ 1-(β -HYDROXYETHYL)-2-METHYL-5-NITROIMIDAZOLE □ 1-(2-HYDROXYETHYL)-2-METHYL-5-NITROIMIDAZOLE □ 1-(2-HYDROXY-1-ETHYL)-2-METHYL-5-NITROIMIDAZOLE □ KLION □ MERONIDAL □ 2-METHYL-1-(2-HYDROXYETHYL)-5-NITROIMIDAZOLE □ 2-METHYL-3-(2-HYDROXYETHYL)-4-NITROIMIDAZOLE □ METRONIDAZ □ METRONIDAZOL □ METRONIDAZOLO □ MONAGYL □ NALOX □ NEO-TRIC □ NIDA □ NOVONIDAZOL □ NSC-50364 □ ORVAGIL □ 1-(β -OXYETHYL)-2-METHYL-5-NITROIMIDAZOLE □ RP 8823 □ SANATRICHOM □ SC 10295 □ TRICHAZOL □ TRICHOCIDE □ TRICHOMOL □ TRICHOMONACID “PHARMACHIM” □ TRICHOPOL □ TRICOM □ TRICOWAS B □ TRIKOJOL □ TRIMEKS □ TRIVAZOL □ VAGILEN □ VAGIMID □ VERTISAL**TOXICITY DATA with REFERENCE:**dnr-esc 2 mg/L MUREAV 164,9,86
cyt-hmn:lym 500 mg/L ENMUDM 6,467,84
orl-rat TDLo:27 g/kg/35W-C:ETA,TER JNCIAM 51,403,73
orl-mus TD:1680 mg/kg:CAR,REP JCREA8 112,135,86
orl-wmn TDLo:40 mg/kg SMJOAV 78,627,85
orl-man TDLo:3570 μ g/kg/D:LIV,MET JAMAAP 193,1128,65
orl-wmn TDLo:12 mg/kg:EYE,CNS BMJOAE 292,174,86
orl-man TDLo:1030 mg/kg/8W:PNS BMJOAE 2(6087),610,77
ivn-wmn TDLo:30 mg/kg/I:EAR,CNS NZMJAX 97,128,84
orl-rat LD50:3 g/kg OYYAA2 8,1089,74
orl-mus LD50:3800 mg/kg JMCAR 20,1522,77
ipr-mus LD50:870 mg/kg PJPPAA 42,471,90
scu-mus LD50:3640 mg/kg OYYAA2 8,1089,74**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,250,87; Animal Sufficient Evidence IMEMDT 13,113,77. EPA Genetic Toxicology Program.**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. Human systemic effects by ingestion: paresthesia, nerve or sheath structural changes, eye changes, tremors, fever, jaundice and other liver changes, hearing-acuity changes, somnolence, and ataxia. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMN500** **CAS: 936-05-0** **HR: D****1-METHYL-5-NITROIMIDAZOLE-2-METHANOL**mf: $C_5H_7N_3O_3$ mw: 157.15**SYN:** 1-METHYL-2-HYDROXYMETHYL-5-NITROIMIDAZOLE**TOXICITY DATA with REFERENCE:**mmo-sat 1 μ mol/L TCMUD8 3,429,83
mmo-klp 10 μ mol/L/20H MUREAV 66,207,79**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MMN750** **CAS: 7681-76-7** **HR: 2**
**1-METHYL-5-NITROIMIDAZOLE-2-METHANOL
CARBAMATE (ESTER)**

mf: C₆H₈N₄O₄ mw: 200.18**PROP:** Pale-yellow crystals. Mp: 167–169°.**SYNS:** DUGRO □ 1-METHYL-5-NITRO-1H-IMIDAZOLE-2-METHANOL CARBAMATE ESTER □ RIDAZOLE □ RIDZOL P □ RONIDAZOLE □ RONIDAZOL-PHARMACHIM (Bulgarian)**TOXICITY DATA with REFERENCE:**

mmo-sat 3 µg/plate CBINA8 49,27,84

mmo-smc 500 ppm MUREAV 86,243,81

orl-rat LD50:3400 mg/kg VMDNAV 22(7),90,85

ipr-rat LD50:1500 mg/kg VMDNAV 22(7),90,85

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.**MMN800 CAS: 881-03-8 HR: D
2-METHYL-1-NITRO-NAPHTHALENE**mf: C₁₁H₉NO₂ mw: 187.21**TOXICITY DATA with REFERENCE:**

mma-sat 50 µg/plate GDIKAN 29,278,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MMP000 CAS: 70-25-7 HR: 3
N-METHYL-N'-NITRO-N-NITROSOGUANIDINE
DOT: NA 0473**mf: C₂H₅N₃O₃ mw: 147.12**PROP:** Crystals from MeOH. Mp: 118° (decomp), bp: 89–97° @ 225°.**SYNS:** GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-(9CI) □ METHYLNITRONITROSOGUANIDINE □ N-METHYL-N'-NITRO-N-NITROSOGUANIDINE □ 1-METHYL-3-NITRO-1-NITROSOGUANIDINE □ N-METHYL-N-NITROSONITROGUANIDIN □ N-METHYL-N-NITROSO-N'-NITROGUANIDINE □ 1-METHYL-1-NITROSO-3-NITROGUANIDINE □ N-METHYL-N'-NITRO-N-NITROZOGUANIDYNY □ MNG □ MNNG □ N'-NITRO-N-NITROSO-N-METHYLGUANIDINE □ N-NITROSO-N-METHYLNITROGUANIDINE □ NITROSOGUANIDINE (DOT) □ NSC-9369 □ RCRA WASTE NUMBER U163**TOXICITY DATA with REFERENCE:**

dnd-hmn:fbr 20 µmol/L ENMUDM 7,267,85

sce-hmn:hla 300 nmol/L CRNGDP 5,593,84

ivn-rat TDLo:25 mg/kg (15D preg):ETA,TER KFIZAO 84,23,75

orl-rat LD50:90 mg/kg ZKKOBW 91,183,78

scu-rat LD50:420 mg/kg ZEKBAI 69,103,67

ivn-rat LD50:80 mg/kg EJCAAH 16,395,80

ipr-mus LD50:66 mg/kg JJIND8 62,911,79

ivn-mus LD50:37,300 µg/kg NCISP* JAN86

orl-ham LD50:1070 mg/kg CALEDQ 4,241,78

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,248,87; Animal Sufficient Evidence IMEMDT 4,183,74. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**DOT CLASSIFICATION:** EXPLOSIVE 1.1A; Label: EXPLOSIVE 1.1A**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic data. Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by subcutaneous route. Experimental reproductive effects. Human mutation data reported. An explosive sensitive to heat or impact. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits very toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.**MMP100 CAS: 2425-85-6 HR: 2
1-((4-METHYL-2-NITROPHENYL)AZO)-2-NAPHTHALENOL**mf: C₁₇H₁₃N₃O₃ mw: 307.33**SYNS:** ACCOSPERSE TOLUIDINE RED XL □ ADC TOLUIDINE RED B □ ATLASOL SPIRIT RED3 □ CALCOTONE TOLUIDINE RED YP □ CARNELIO HELIO RED □ CERVEN PIGMENT 3 □ CHROMATEX RED J □ C.I. 12120 □ C.I. PIGMENT RED 3 □ C.P. TOLUIDINE TONER A-2989 □ C.P. TOLUIDINE TONER A-2990 □ C.P. TOLUIDINE TONER DARK RS-3340 □ C.P. TOLUIDINE TONER DEEP X-1865 □ C.P. TOLUIDINE TONER LIGHT RS-3140 □ C.P. TOLUIDINE TONER RT-6101 □ C.P. TOLUIDINE TONER RT-6104 □ DAINICHI PERMANENT RED 4 R □ D and C RED NO. 35 □ DEEP FASTONA RED □ DUPLEX TOLUIDINE RED L 20-3140 □ ELJON FAST SCARLET PV EXTRA □ ELJON FAST SCARLET RN □ ENIALIT LIGHT RED RL □ FASTONA RED B □ FASTONA SCARLET RL □ FASTONA SCARLET YS □ FAST RED A □ FAST RED A (PIGMENT) □ FAST RED AB □ FAST RED J □ FAST RED JE □ FAST RED R □ GRAPHTOL RED A-4RL □ HANSA RED B □ HANSA RED G □ HANSA SCARLET RB □ HANSA SCARLET RN □ HANSA SCARLET RNC □ HELIO FAST RED BN □ HELIO FAST RED RL □ HELIO FAST RED RN □ HELIO RED RL □ HELIO RED TONER □ HISPALIT FAST SCARLET RN □ INDEPENDENCE RED □ IRGALITE FAST RED P4R □ IRGALITE FAST SCARLET RND □ IRGALITE RED PV2 □ IRGALITE RED RNPX □ IRGALITE SCARLET RB □ ISOL FAST RED HB □ ISOL FAST RED RNB □ ISOL FAST RED RN2B □ ISOL FAST RED RNG □ ISOL FAST RED RN2G □ ISOL TOLUIDINE RED HB □ ISOL TOLUIDINE RED RNB □ ISOL TOLUIDINE RED RN2B □ ISOL TOLUIDINE RED RNG □ ISOL TOLUIDINE RED RN2G □ KROMON HELIO FAST RED □ KROMON HELIO FAST RED YS □ LAKE RED 4R □ LAKE RED 4RII □ LITHOL FAST SCARLET RN □ LUTETIA FAST RED 3R □ LUTETIA FAST SCARLET RF □ LUTETIA FAST SCARLET RJN □ MONOLITE FAST SCARLET CA □ MONOLITE FAST SCARLET GSA □ MONOLITE FAST SCARLET RB □ MONOLITE FAST SCARLET RBA □ MONOLITE FAST SCARLET RN □ MONOLITE FAST SCARLET RNA □ MONOLITE FAST SCARLET RNV □ MONOLITE FAST SCARLET RT □ NCI-C60366 □ 1-((2-NITRO-4-METHYLPHENYL)AZO)-2-NAPHTHOL □ 1-(6-NITRO-P-TOLYLAZO)-2-NAPHTHOL □ NO. 2 FORTHEAST SCARLET □ ORALITH RED P4R □ PERMANENT RED 4R □ PIGMENT RED 3 □ PIGMENT RED RL □ PIGMENT RUBY □ PIGMENT SCARLET □ PIGMENT SCARLET B □ PIGMENT SCARLET N □ PIGMENT SCARLET R □ POLYMO RED FGN □ RECOLITE FAST RED RBL □ RECOLITE FAST RED RL □ RECOLITE FAST RED RYL □ SANYO SCARLET PURE □ SANYO SCARLET PURE NO. 1000 □ SCARLET PIGMENT RN □ SEGNALE LIGHT RED B □ SEGNALE LIGHT RED 2B □ SEGNALE LIGHT RED BR □ SEGNALE LIGHT RED 4R □ SEGNALE LIGHT RED RL □ SIEGLE RED 1 □ SIEGLE RED B □ SIEGLE RED BB □

SILOGOMMA RED RLL □ SILOSOL RED RBN □ SILOSOL RED RN □ SILOTON RED BRLL □ SILOTON RED RLL □ SYMULER FAST SCARLET 4R □ SYTON FAST SCARLET RB □ SYTON FAST SCARLET RD □ SYTON FAST SCARLET RN □ TERTRO-PIGMENT RED HAB □ TERTROPIGMENT SCARLET LRN □ TOLUIDINE RED □ TOLUIDINE RED 10451 □ TOLUIDINE RED 3B □ TOLUIDINE RED BFB □ TOLUIDINE RED BFGG □ TOLUIDINE RED D 28-3930 □ TOLUIDINE RED LIGHT □ TOLUIDINE RED M 20-3785 □ TOLUIDINE RED R □ TOLUIDINE RED 4R □ TOLUIDINE RED RT-115 □ TOLUIDINE RED TONER □ TOLUIDINE RED XL 20-3050 □ TOLUIDINE TONER □ TOLUIDINE TONER DARK 5040 □ TOLUIDINE TONER 4R X-2700 □ TOLUIDINE TONER HR X-2741 □ TOLUIDINE TONER KEEP HR X-2742 □ TOLUIDINE TONER L 20-3300 □ TOLUIDINE TONER RT-252 □ VERSAL SCARLET PRNL □ VERSAL SCARLET RNL □ VULCAFOR SCARLET A

TOXICITY DATA with REFERENCE:

mmo-sat 3333 µg/plate ENMUDM 8(Suppl 7),1,86

mma-sat 2500 µg/plate ENMUDM 8(Suppl 7),1,86

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 57,259,93; Animal Limited Evidence IMEMDT 57,259,93; Human Inadequate Evidence IMEMDT 57,259,93. Reported in NTP Carcinogenesis Studies (feed); Some Evidence: rat, mouse NTPTR* NTP-TR-407,92. Reported in EPA TSCA Inventory.

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

MMP110 CAS: 99687-00-0 HR: D
4-METHYL-5-NITRO-1-(PHENYLMETHYL)-1H-IMIDAZOLE

mf: C₁₁H₁₁N₃O₂ mw: 217.25

SYN: 1H-IMIDAZOLE, 4-METHYL-5-NITRO-1-(PHENYLMETHYL)-

TOXICITY DATA with REFERENCE:

mic-sat 380 pmol/plate MUREAV 397,293,1998

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

MMP113 CAS: 99686-99-4 HR: D
5-METHYL-4-NITRO-1-(PHENYLMETHYL)-1H-IMIDAZOLE

mf: C₁₁H₁₁N₃O₂ mw: 217.25

SYN: 1H-IMIDAZOLE, 5-METHYL-4-NITRO-1-(PHENYLMETHYL)-

TOXICITY DATA with REFERENCE:

mic-sat 602 pmol/plate MUREAV 397,293,1998

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

MMP120 CAS: 105555-81-5 HR: D
1-METHYL-5-NITRO-2-(2-PHENYL-1-PROPENYL)-1H-IMIDAZOLE

mf: C₁₃H₁₃N₃O₂ mw: 243.29

SYN: 1H-IMIDAZOLE, 1-METHYL-5-NITRO-2-(2-PHENYL-1-PROPENYL)-

TOXICITY DATA with REFERENCE:

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

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

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

MMP125 CAS: 116248-39-6 HR: D
1-METHYL-5-NITRO-2-((PHENYLSULFONYL)-METHYL)-1H-IMIDAZOLE

mf: C₁₁H₁₁N₃O₄S mw: 281.31

SYN: 1H-IMIDAZOLE, 1-METHYL-5-NITRO-2-((PHENYLSULFONYL)METHYL)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1100 pmol/plate EMMUEG 19,167,92

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

MMP200 CAS: 24884-69-3 HR: 3
2-METHYL-2-NITRO-PROPANOL NITRATE

mf: C₄H₈N₂O₅ mw: 164.14

SYNS: 2-NITRO-2-METHYLPROPANOL NITRATE (DOT) □ 1-PROPANOL, 2-METHYL-2-NITRO-, NITRATE

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable substance forbidden from transport. When heated to decomposition it emits toxic vapors of NO_x.

MMP500 CAS: 5470-66-6 HR: 2
2-METHYL-4-NITROPYRIDINE-1-OXIDE

mf: C₆H₆N₂O₃ mw: 154.14

PROP: Pale-yellow needles. Mp: 153–154°.

TOXICITY DATA with REFERENCE:

mmo-sat 1 µmol/plate GANNA2 70,799,79

mmo-esc 500 µmol/L GANNA2 70,799,79

dnd-mus:fbr 50 µmol/L CNREA8 35,521,75

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

MMP750 CAS: 1074-98-2 HR: 2
3-METHYL-4-NITROPYRIDINE-1-OXIDE

mf: C₆H₆N₂O₃ mw: 154.14

PROP: Crystals from Me₂CO. Mp: 136–137°.

TOXICITY DATA with REFERENCE:

mmo-sat 100 nmol/plate GANNA2 70,799,79

dnd-mus:fbr 50 µmol/L CNREA8 35,521,75

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

MMQ250 CAS: 4831-62-3 HR: 2
2-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

PROP: A solid. Mp: 157° (decomp).

SYNS: 2-METHYL-4-NITROQUINOLINE N-OXIDE □ 4-NITROQUINALDINE-N-OXIDE □ QUINOLINE, 2-METHYL-4-NITRO, 1-OXIDE

TOXICITY DATA with REFERENCE:

dns-ham:oth 500 µmol/L NATUAS 229,416,71

dns-hmn:fbr 1 nmol/L/90M IJCNAAW 16,284,75

cyt-hmn:lvf 5260 nmol/L JNCIAM 47,367,71

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

MMQ500 CAS: 14073-00-8 HR: 3
3-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

TOXICITY DATA with REFERENCE:

dnd-hmn:fbr 250 µmol/L CRNGDP 3,1463,82

dns-rat:lvr 50 µmol/L ENMUDM 3,11,81

ipr-mus LD50:318 mg/kg PMRSDJ 1,682,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MMQ750 CAS: 14094-43-0 HR: 2
5-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

TOXICITY DATA with REFERENCE:

mno-sat 800 µmol/L CPBTAL 31,959,83

dns-ham:oth 500 nmol/L NATUAS 229,416,71

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.

MMR000 CAS: 715-48-0 HR: 3
6-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

TOXICITY DATA with REFERENCE:

mno-sat 8 µmol/L CPBTAL 31,959,83

cyt-hmn:lvr 5260 nmol/L JNCIAM 47,367,71

dnd-mus:orl 10 mg/kg IJCNAW 17,765,76

ipr-rat LDLo:60 mg/kg BCPA6 13,285,64

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MMR250 CAS: 14753-13-0 HR: 2
7-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

TOXICITY DATA with REFERENCE:

dns-ham:oth 500 µmol/L NATUAS 229,416,71

mno-smc 200 mg/L IGSBAL 85,127,72

cyt-hmn:lvr 5260 nmol/L JNCIAM 47,367,71

dnd-mus:fbr 10 µmol/L CNREA8 35,521,75

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

MMR500 CAS: 14094-45-2 HR: 2
8-METHYL-4-NITROQUINOLINE-1-OXIDE

mf: C₁₀H₈N₂O₃ mw: 204.20

TOXICITY DATA with REFERENCE:

dns-ham:oth 8 µmol/L NATUAS 229,416,71

mno-smc 100 µg/L TXAPA9 15,451,69

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

MMR750 CAS: 16699-07-3 HR: 2
1-(4-N-METHYL-N-NITROSAMINO BENZYLIDENE)INDENE

mf: C₁₇H₁₄N₂O mw: 262.33

SYNS: 4-(1-H-INDEN-1-YLIDENE METHYL)-N-METHYL-N-NITROSO BENZENAMINE □ NSC-101983

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

MMR800 CAS: 89367-14-6 HR: 3
1-(METHYLNITROSAMINO)-2-BUTANONE

mf: C₅H₁₀N₂O₂ mw: 130.17

SYNS: M-2-OB □ N-NITROSOMETHYL(2-OXOBUTYL)AMINE

TOXICITY DATA with REFERENCE:

msc-ham:lng 700 µmol/L 50EYAN -,241,83

scu-ham LD50:92 mg/kg CNREA8 43,4885,83

SAFETY PROFILE: Poison by subcutaneous route. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.

MMR810 CAS: 89367-15-7 HR: 2
4-(METHYLNITROSAMINO)-2-BUTANONE

mf: C₅H₁₀N₂O₂ mw: 130.17

SYNS: M-3-OB □ N-NITROSOMETHYL(3-OXOBUTYL)AMINE

TOXICITY DATA with REFERENCE:

msc-ham:lng 700 µmol/L 50EYAN -,241,83

mna-ham:lng 600 µmol/L MUREAV 163,303,86

scu-ham LD50:705 mg/kg CNREA8 43,4885,83

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

MMS000 CAS: 67557-57-7 HR: 3
METHYLNITROSAMINOMETHYL-d3 ESTER ACETIC ACID

mf: C₄H₃D₃N₂O₃ mw: 135.14

SYNS:

ACETOXYMETHYLTRIDEUTEROMETHYLNITROSAMINE □ 1-ACETOXY-N-NITROSO-N-TRIDEUTEROMETHYLMETHYLAMINE □ NITROSO-N-(1-ACETOXYMETHYL)TRIDEUTEROMETHYLAMINE □ TRIDEUTEROMETHYL ACETOXY-METHYLNITROSAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:120 mg/kg ZKKOBW 91,317,78

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x . See also ESTERS and NITROSAMINES.

MMS200 CAS: 60153-49-3 HR: 3
3-METHYLNITROSAMINOPROPIONITRILE

mf: $\text{C}_4\text{H}_7\text{N}_3\text{O}$ mw: 113.14

SYNS: MNPN \square PROPANENITRILE, 3-(METHYLNITROSO-AMINO)-

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87, Animal Sufficient Evidence IMEMDT 37,263,85.

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

MMS250 CAS: 64091-90-3 HR: 2
4-(N-METHYL-N-NITROSAMINO)-4-(3-PYRIDYL)BUTANAL

mf: $\text{C}_{10}\text{H}_{13}\text{N}_3\text{O}_2$ mw: 207.26

SYNS: γ -(METHYLNITROSAMINO)-3-PYRIDINEBUTYRALDEHYDE \square γ -(METHYLNITROSOAMINO)-3-PYRIDINEBUTANAL \square 4-(N-NITROSO-N-METHYLAMINO)-4-(3-PYRIDYL)BUTANAL \square NNA

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 37,205,85.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMS300 CAS: 76014-81-8 HR: 2
4-(METHYLNITROSAMINO)-1-(3-PYRIDYL)-1-BUTANOL

mf: $\text{C}_{10}\text{H}_{15}\text{N}_3\text{O}_2$ mw: 209.28

SYNS: α -(3-(METHYLNITROSOAMINO)PROPYL)-3-PYRIDINEMETHANOL \square 3-PYRIDINEMETHANOL, α -(3-(METHYLNITROSOAMINO)PROPYL)-

SAFETY PROFILE: Questionable carcinogen with carcinogenic and neoplastic data. When heated to decomposition it emits toxic vapors of NO_x .

MMS500 CAS: 64091-91-4 HR: 3
4-(N-METHYL-N-NITROSAMINO)-1-(3-PYRIDYL)-1-BUTANONE

mf: $\text{C}_{10}\text{H}_{13}\text{N}_3\text{O}_2$ mw: 207.26

SYNS: 4-(N-METHYL-N-NITROSOAMINO)-4-(3-PYRIDYL)-1-BUTANONE \square N-METHYL-N-NITROSO-4-OXO-4-(3-PYRIDYL)BUTYL AMINE \square 4-(NITROSOAMINO-N-METHYL)-1-(3-PYRIDYL)-1-BUTANONE \square 4-(N-NITROSO-N-METHYL-AMINO)-1-(3-PYRIDYL)-1-BUTANONE \square NNK

TOXICITY DATA with REFERENCE:

mma-sat 1 $\mu\text{mol}/\text{plate}$ CRNGDP 4,305,83
 dnd-rat-ipr 1200 mg/kg/12D-C CNREA8 46,1280,86
 ipr-mus LD50:1 g/kg CALEDQ 46,173,89

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 37,209,85. EPA Genetic Toxicology Program.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. An experimental teratogen. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMS750 CAS: 16699-10-8 HR: 2
4-(4-N-METHYL-N-NITROSAMINOSTYRYL)-QUINOLINE

mf: $\text{C}_{18}\text{H}_{15}\text{N}_3\text{O}$ mw: 289.36

SYNS: N-METHYL-N-NITROSO-4-(2-(4-QUINOLINYL)-ETHENYL)BENZENAMINE \square NSC-101984

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMT000 CAS: 7417-67-6 HR: 3
METHYLNITROSOACETAMIDE

mf: $\text{C}_3\text{H}_6\text{N}_2\text{O}_2$ mw: 102.11

SYNS: METHYLNITROSOACETAMID (GERMAN) \square N-METHYL-N-NITROSOACETAMIDE \square N-NITROSO-N-METHYLACETAMIDE

TOXICITY DATA with REFERENCE:

mma-sat 2 nmol/plate CNREA8 39,1328,79
 sln-dmg-par 3000 ppm BPYKAU 4,90,67
 mmo-smc 100 $\mu\text{mol}/\text{L}$ ZEVBAS 95,55,65
 orl-rat LD50:20 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMT250 CAS: 21928-82-5 HR: 2
N-METHYL-N-NITROSOADENINE

mf: $\text{C}_6\text{H}_6\text{N}_6\text{O}$ mw: 178.18

SYNS: 6-(METHYLNITROSAMINO)PURINE \square N-METHYL-N-NITROSO-1H-PURIN-6-AMINE \square 6-MNA \square N⁶-METHYL-N⁶-NITROSO-1H-PURIN-6-AMINE

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMT300 HR: 2
N⁶-(METHYLNITROSO)ADENOSINE

mf: $\text{C}_{11}\text{H}_{14}\text{N}_6\text{O}_5$ mw: 310.31

SYN: N⁶-METHYL-N⁶-NITROSO-9 β -d-RIBOFURANOSYL-9H-PURIN-6-AMINE

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMT300 CAS: 10478-42-9 HR: 2
N-METHYL-N-NITROSO- β -ALANINE

mf: $\text{C}_4\text{H}_8\text{N}_2\text{O}_3$ mw: 132.14

SYNS: β -ALANINE, N-METHYL-N-NITROSO- (METHYLNITROSOAMINO)PROPIONIC ACID

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

MMT500 CAS: 4549-43-3 HR: 3
N-METHYL-N-NITROSOALLYLAMINE

mf: $\text{C}_4\text{H}_8\text{N}_2\text{O}$ mw: 100.14

SYNS: METHYLALLYLNITROSAMIN (GERMAN) \square METHYL-ALLYLNITROSAMINE \square N-METHYL-N-NITROSO-2-PROPEN-1-AMINE \square N-NITROSOALLYLMETHYLAMINE \square NITROSO-METHYLALLYLAMINE \square N-NITROSOMETHYL-ALLYLAMINE

TOXICITY DATA with REFERENCE:

mmo-sat 40 $\mu\text{mol/L}$ ENMUDM 3,11,81
 mmo-esc 40 $\mu\text{mol/L}$ ENMUDM 3,11,81
 dns-rat:ivr 500 $\mu\text{mol/L}$ ENMUDM 3,11,81
 orl-rat LD50:340 mg/kg ZEKBAI 69,103,67
 ivn-rat LD50:320 mg/kg ZEKBAI 69,103,67

SAFETY PROFILE: Poison by ingestion and intravenous routes. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMT750 CAS: 3684-97-7 HR: 3
2-(N-METHYL-N-NITROSO)AMINOACETO-NITRILE

mf: $\text{C}_3\text{H}_5\text{N}_3\text{O}$ mw: 99.11

SYNS: N-NITROSOMETHYLAMINACETONITRIL (GERMAN) \square N-NITROSOMETHYLAMINOACETONITRILE

TOXICITY DATA with REFERENCE:

orl-rat LD50:45 mg/kg ZEKBAI 69,103,67

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

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x and CN^- . See also N-NITROSO COMPOUNDS and NITRILES.

MMU000 CAS: 41735-28-8 HR: 3
5-(N-METHYL-N-NITROSO)AMINO-3-(5-NITRO-2-FURYL)-s-TRIAZOLE

mf: $\text{C}_7\text{H}_6\text{N}_6\text{O}_4$ mw: 238.19

PROP: A solid. Mp: $35-36^\circ$, bp: 158° @ 2 mm.

SYN: N-METHYL-3-(5-NITRO-2-FURYL)-N-NITROSO-1H-1,2,4-TRIAZOL-5-AMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg JMCMA 16,312,73
 ipr-mus LD50:300 mg/kg JMCMA 16,312,73

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMU250 CAS: 614-00-6 HR: 3
N-METHYL-N-NITROSOANILINE

mf: $\text{C}_7\text{H}_8\text{N}_2\text{O}$ mw: 136.17

PROP: A liquid. D: 1.124 @ $20^\circ/4^\circ$, mp: 13° , bp: $128-128.4^\circ$ @ 19 mm.

SYNS: N-METHYL-N-NITROSOBENZENAMINE \square METHYL-PHENYLNITROSAMINE \square MNA \square NITROSOMETHYLANILINE \square N-NITROSO-N-METHYLANILINE \square N-NITROSOMETHYL-PHENYLAMINE (MAK) \square NMA \square PHENYLMETHYLNITROS-AMINE

TOXICITY DATA with REFERENCE:

mma-sat 735 nmol/plate CALEDQ 15,289,82
 mma-esc 50 nmol/plate GANNA2 75,8,84
 mrc-smc 2500 mg/L IAPUDO 57,721,84
 dni-mus-ivr 20 g/kg ARGEAR 51,605,81
 ipr-rat TDLo:140 mg/kg (9D preg):TER IARCCD 4,112,73
 orl-rat TDLo:61 mg/kg/29W-C:CAR CALEDQ 1,215,76
 scu-rat TDLo:78 mg/kg/39W-I:CAR CALEDQ 1,215,76
 orl-mus TDLo:2744 mg/kg/28W-C:NEO JNCIAM 46,1029,71
 orl-rat TD:3400 mg/kg/35W-C:ETA ZEKBAI 69,103,67
 orl-ham TDLo:1960 mg/kg/50W-I:ETA tumors CNREA8 48,6648,88
 orl-rat LD50:225 mg/kg TXAPA9 17,426,70
 ipr-rat LD50:180 mg/kg ZEKBAI 71,32,68
 orl-ham LD50:150 mg/kg TXAPA9 17,426,70

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

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMU500 CAS: 63412-06-6 HR: 3
N-METHYL-N-NITROSOBENZAMIDE

mf: $\text{C}_8\text{H}_8\text{N}_2\text{O}_2$ mw: 164.18

SYN: MNB

TOXICITY DATA with REFERENCE:

mmo-sat 340 nmol/L MUREAV 48,131,77
 ipr-rat LD50:70 mg/kg JJIND8 62,1523,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MMV000 CAS: 13860-69-0 HR: 2
N-METHYL-N-NITROSOBIURET

mf: $\text{C}_3\text{H}_6\text{N}_4\text{O}_3$ mw: 146.13

SYNS: 1-METHYL-1-NITROSOBIURET \square N-METHYL-N-NITROSO-N'-CARBAMOYLUREA \square N-NITROSO-N-METHYLBUIRET

TOXICITY DATA with REFERENCE:

mmo-omi 2500 ppm/2H-C ANTBAL 24,168,79
 mmo-omi 5000 ppm/4H-C ANTBAL 24,168,79
 mmo-omi 500 ppm/2H-C ANTBAL 24,168,79
 mmo-omi 5000 ppm/2H ANTBAL 21,795,76
 mmo-omi 1 pph ANTBAL 27,738,82
 orl-rat LD50:450 mg/kg PPTCBY 2,73,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MMV250 CAS: 58169-97-4 HR: D
METHYLNITROSOCARBAMIC ACID-*o*-CHLOROPHENYL ESTER

mf: C₈H₇ClN₂O₃ mw: 214.62

SYNS: 2-CHLOROPHENYL METHYLNITROSOCARBAMATE □ HOPCIDE, NITROSATED (JAPANESE)

TOXICITY DATA with REFERENCE:

mmo-esc 500 ng/plate BECTA6 14,389,75

mrc-bcs 500 ng/plate BECTA6 14,389,75

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS and CARBAMATES.

MMV500 CAS: 100836-61-1 HR: D
METHYLNITROSOCARBAMIC ACID *o*-(1,3-DIOXOLAN-2-YL)PHENYL ESTER

mf: C₁₁H₁₂N₂O₃ mw: 220.25

SYNS: *o*-(1,3-DIOXOLAN-2-YL)PHENYL

METHYLNITROSOCARBAMATE □ NITROSO DIOXACARB

TOXICITY DATA with REFERENCE:

mmo-sat 1/μL/plate MUREAV 48,225,77

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

MMV750 CAS: 100836-62-2 HR: 2
METHYLNITROSOCARBAMIC ACID-*α*-(ETHYLTHIO)-*o*-TOLYL ESTER

mf: C₁₁H₁₄N₂O₃S mw: 254.33

SYN: NITROSOETHIOFENCARB

TOXICITY DATA with REFERENCE:

mmo-sat 1 μL/plate MUREAV 48,225,77

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also N-NITROSO COMPOUNDS and CARBAMATES.

MMW250 CAS: 58139-32-5 HR: D
METHYLNITROSOCARBAMIC ACID-*o*-ISOPROPYLPHENYL ESTER

mf: C₁₁H₁₄N₂O₃ mw: 222.27

SYNS: 2-ISOPROPYLPHENYL N-METHYLCARBAMATE, nitrosated □ MIPSIN, nitrosated (JAPANESE)

TOXICITY DATA with REFERENCE:

mmo-esc 50 μg/plate BECTA6 14,389,75

mrc-bcs 10 ng/plate BECTA6 14,389,75

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MMW750 CAS: 58139-34-7 HR: D
METHYLNITROSOCARBAMIC ACID-3,5-XYLYL ESTER

mf: C₁₀H₁₂N₂O₃ mw: 208.24

SYNS: MAQBARI, nitrosated (JAPANESE) □ 3,5-XYLYL-N-METHYLCARBAMATE, NITROSATED

TOXICITY DATA with REFERENCE:

mmo-esc 5 μg/plate BECTA6 14,389,75

mrc-bcs 500 ng/plate BECTA6 14,389,75

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

MMW775 CAS: 25355-61-7 HR: 3
1-METHYL-1-NITROSO-3-(*p*-CHLOROPHENYL)-UREA

mf: C₈H₈ClN₃O₂ mw: 213.64

SYNS: 1-(*p*-CHLOROPHENYL)-3-METHYL-3-NITROSOUREA □ 3-(*p*-CHLOROPHENYL)-1-METHYL-1-NITROSOUREA □ N-METHYL-N'-(*p*-CHLOROPHENYL)-N-NITROSOUREA

TOXICITY DATA with REFERENCE:

mmo-sat 66 μmol/L CNREA8 39,514,79

cyt-ham:lng 10 μmol/L IAPUDO 31,797,80

sce-ham:lng 10 μmol/L IAPUDO 31,685,80

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also N-NITROSO COMPOUNDS.

MMX000 CAS: 33868-17-6 HR: 3
METHYLNITROSOCYANAMIDE

mf: C₂H₃N₃O mw: 85.08

SYN: MNC

TOXICITY DATA with REFERENCE:

mmo-sat 2500 μmol/L GMCRCDC 17,17,75

mmo-esc 5 μmol/L CNREA8 38,4630,78

cyt-ham:emb 2 mmol/L/24H MUREAV 43,429,77

orl-mus LD50:69 mg/kg PJACAW 50,497,74

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MMX200 CAS: 75881-22-0 HR: 2
N-METHYL-N-NITROSODECYLAMINE

mf: C₁₁H₂₄N₂O mw: 200.37

SYN: NITROSOMETHYL-*n*-DECYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 25 μg/plate TCMUD8 1,295,80

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

**MMX250 CAS: 615-53-2 HR: 3
N-METHYL-N-NITROSOETHYLCARBAMATE**mf: C₄H₈N₂O₃ mw: 132.14

SYNS: ETHYL ESTER of METHYLNITROSO-CARBAMIC ACID
☐ N-METHYL-N-NITROSO-CARBAMIC ACID, ETHYL ESTER ☐
 METHYLNITROSOURETHAN (GERMAN) ☐ METHYLNITRO-
 SOURETHANE ☐ N-METHYL-N-NITROSO-URETHANE ☐ MNUN
☐ NITROSOMETHYLURETHAN (GERMAN) ☐ NITROSO-
 METHYLURETHANE ☐ N-NITROSO-N-METHYLURETHANE ☐
 NMUM ☐ NMUT ☐ RCRA WASTE NUMBER U178

TOXICITY DATA with REFERENCE:

pic-esc 1 mg/L TCMUE9 1,91,84
 dnd-gpg:oth 20 mmol/L CBINA8 20,77,78
 ivn-rat TDLo:40 mg/kg (8D preg):REP IARCCD 4,100,73
 ivn-rat TDLo:20 mg/kg (15D preg):ETA,TER IARCCD 4,100,73
 ipc-rat TDLo:100 mg/kg (21D preg):ETA,TER IARCCD 4,1,73
 scu-mus TDLo:5 mg/kg (9D preg):CAR,TER CNREA8 34,3373,74
 orl-ham TDLo:220 mg/kg/28W-I:CAR,TER JNCIAM 37,389,66
 orl-rat LD50:180 mg/kg NATWAY 48,165,61
 ipr-rat LDLo:50 mg/kg BJCAAI 22,316,68
 scu-rat LDLo:125 mg/kg BJCAAI 16,92,62
 ivn-rat LD50:4 mg/kg ZEKBAI 69,103,67
 scu-mus LDLo:7 mg/kg BJCAAI 23,167,69
 orl-mus TDLo:50 mg/kg/I GANMAX 3,61,66
 ihl-mus LCLo:600 mg/m³/10M NDRC** NDCrc-132,Mar,42
 ipr-mus LD50:37 mg/kg CNREA8 30,11,70
 scu-ham LDLo:21 mg/kg AJPA4 50,639,67

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 4,211,74. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic data. Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. Moderately toxic by inhalation. Experimental reproductive effects. Mutation data reported. Has been implicated as a transplacental brain carcinogen. Combustible when exposed to heat, sparks, open flame, and powerful oxidizers. Explodes when heated. A storage hazard. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES and CARBAMATES.

**MMX500 CAS: 31364-55-3 HR: 2
N-METHYL-N-NITROSO-β-D-GLUCOSAMINE**mf: C₇H₁₄N₂O₆ mw: 222.23

SYNS: N-METHYL-N-NITROSO-β-D-GLUCOSYLAMIN (GERMAN) ☐ N-METHYL-N-NITROSO-β-D-GLUCOSYLAMINE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

**MMX600 CAS: 13830-58-5 HR: 2
N-METHYL-N'-NITROSOGUANIDINE**mf: C₂H₆N₄O mw: 102.10**SYN:** GUANIDINE, N-METHYL-N'-NITROSO-

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

**MMX750 CAS: 16339-21-2 HR: 2
4-METHYL-4-N-(NITROSOMETHYLAMINO)-2-PENTANONE**mf: C₇H₁₄N₂O₂ mw: 158.23

SYNS: METHYL-1,1-DIMETHYLBUTANON(3)-NITROSAMIN (GERMAN) ☐ 2-METHYLNITROSAMINO-2-METHYLPENTAN-ON(4) (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2100 mg/kg ZEKBAI 69,103,67

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

**MMY000 CAS: 15567-46-1 HR: D
N-METHYL-N-NITROSOOCTANAMIDE**mf: C₉H₁₈N₂O₂ mw: 186.29**SYN:** N-NITROSO-N-METHYL-CAPRYLAMIDE**TOXICITY DATA with REFERENCE:**

mrc-smc 10 μmol/L ZEVBA5 98,230,66

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

**MMY250 CAS: 16339-01-8 HR: 2
N-METHYL-N-NITROSO-4-(PHENYLAZO)-ANILINE**mf: C₁₃H₁₂N₄O mw: 240.29

SYNS: 4-METHYLAMINO-N-NITROSOAZOBENZENE ☐ N-NITROSO-4-METHYLAMINOAZOBENZENE ☐ N-NITROSO-4-METHYLAMINOAZOBENZOL (GERMAN)

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:1200 mg/kg ZEKBAI 69,103,67

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

**MMY500 CAS: 21561-99-9 HR: 3
1-METHYL-1-NITROSO-3-PHENYLUREA**mf: C₈H₉N₃O₂ mw: 179.20

SYNS: N-METHYL-N-NITROSO-N'-PHENYLUREA ☐ METHYLPHENYLNITROSUREA ☐ N-METHYL-N'-PHENYL-N-NITROSUREA ☐ MPNU ☐ NITROSOMETHYLPHENYLUREA ☐ 3-PHENYL-1-METHYL-1-NITROSOHARNSTOFF (GERMAN)

TOXICITY DATA with REFERENCE:

mno-sat 66 μmol/L CNREA8 39,5147,79

cyt-ham:lng 10 μmol/L IAPUDO 31,797,80

sce-ham:lng 10 μmol/L IAPUDO 31,797,80

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits

toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MMY750 CAS: 13603-07-1 HR: 2
3-METHYLNITROSOPIPERIDINE

mf: C₆H₁₂N₂O mw: 128.20

SYN: 1-NITROSO-3-PIPECOLINE

TOXICITY DATA with REFERENCE:

mma-sat 1 µmol/plate MUREAV 56,131,77

sln-dmg-orl 5 mmol/L/24H MUREAV 67,27,79

mma-smc 25 mmol/L/24H MUREAV 57,155,78

sce-hmn:lym 10 mmol/L TCMUE9 1,129,84

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MMZ000 CAS: 15104-03-7 HR: 2
4-METHYLNITROSOPIPERIDINE

mf: C₆H₁₂N₂O mw: 128.20

SYN: 1-NITROSO-4-PIPECOLINE

TOXICITY DATA with REFERENCE:

mma-sat 200 µg/plate MUREAV 56,131,77

sln-dmg-orl 5 mmol/L/24H MUREAV 67,27,79

mma-smc 25 mmol/L/24H MUREAV 57,155,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MMZ800 CAS: 71677-48-0 HR: 2
3-METHYL-1-NITROSO-4-PIPERIDONE

mf: C₆H₁₀N₂O₂ mw: 142.18

SYN: NITROSO-3-METHYL-4-PIPERIDONE

TOXICITY DATA with REFERENCE:

mma-sat 250 µg/plate TCMUD8 1,295,80

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

MNA000 CAS: 924-46-9 HR: 3
N-METHYL-N-NITROSO-1-PROPANAMINE

mf: C₄H₁₀N₂O mw: 102.16

PROP: Yellow liquid. Bp: 90.4–91.2° @ 40 mm.

SYNS: METHYL-N-PROPYLNITROSAMINE □ METHYL-PROPYLNITROSOAMINE □ MPN □ NITROSOMETHYL-PROPYLAMINE □ NITROSOMETHYL-N-PROPYLAMINE

TOXICITY DATA with REFERENCE:

pic-esc 50 mg/L TCMUE9 1,91,84

mma-ham:lng 10 mmol/L CNREA8 37,1044,77

scu-ham TDLo:100 mg/kg/(14D preg):NEO,TER ZKKOBW 90,119,77

scu-rat LD50:106 mg/kg JNCIAM 54,937,75

scu-mus LD50:77 mg/kg ZKKOBW 90,253,77

scu-ham LD50:493 mg/kg JNCIAM 52,457,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by subcutaneous route. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MNA250 CAS: 16395-80-5 HR: 2
N-METHYL-N-NITROSOPROPIONAMIDE

mf: C₄H₈N₂O₂ mw: 116.14

SYNS: METHYLNITROSO-PROPIONAMIDE □ METHYL-NITROSOPROPIONSÆAUREAMID (GERMAN) □ METHYLNITROSOPROPIONYLAMIDE

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MNA300 CAS: 74317-46-7 HR: D
1-METHYL-3-NITROSO-5H-PYRIDO(4,3-B)INDOLE

mf: C₁₂H₉N₃O mw: 211.24

SYNS: 3-NITROSO-1-METHYL-5H-PYRIDO(4,3-B)INDOLE □ 5H-PYRIDO(4,3-B)INDOLE, 1-METHYL-3-NITROSO-

TOXICITY DATA with REFERENCE:

mic-sat 20 pmol/plate CRNGDP 4,1547,1983

mrc-esc 5 µmol/L JJCREP 86,155,1995

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

MNA500 HR: D
2-METHYL-N-NITROSOTHAZOLIDINE

mf: C₄H₈N₂OS mw: 132.2

SYN: MNT

TOXICITY DATA with REFERENCE:

mmo-sat 200 nmol/plate JAFCAU 28,781,80

mma-sat 200 nmol/plate JAFCAU 28,781,80

SAFETY PROFILE: Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also N-NITROSO COMPOUNDS.

MNA650 CAS: 23139-00-6 HR: 2
1-METHYL-1-NITROSO-3-(p-TOLYL)UREA

mf: C₉H₁₁N₃O₂ mw: 193.23

SYN: N-METHYL-N'-(p-METHYLPHENYL)-N-NITROSOUREA

TOXICITY DATA with REFERENCE:

mmo-sat 33,500 pmol/plate CNREA8 39,5147,79

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

MNA750 CAS: 684-93-5 HR: 3
N-METHYL-N-NITROSOUREA

mf: C₂H₅N₃O₂ mw: 103.10

PROP: Yellow solid or plates from Et₂O. Mp: 124° (decomp).

SYNS: METHYLNITROSO-HARNSTOFF (GERMAN) □ N-METHYL-N-NITROSO-HARNSTOFF (GERMAN) □ METHYL-NITROSOUREA □ 1-METHYL-1-NITROSOUREA □ METHYL-NITROSOUREE (FRENCH) □ MNU □ N-NITROSO-N-METHYL-CARBAMIDE □ N-NITROSO-N-METHYL-HARNSTOFF (GERMAN) □ NITROSOMETHYLUREA □ N-NITROSO-N-METHYLUREA □ 1-NITROSO-1-METHYLUREA □ NMH □ NMU □ NSC-23909 □ RCRA WASTE NUMBER U177 □ SKI 24464 □ SRI 859

TOXICITY DATA with REFERENCE:

sln-dmg-par 1 mmol/L MUREAV 149,193,85
oms-mam:lym 1 mmol/L CBINA8 46,179,83
skn-rat TDLo:576 mg/kg/24W-I:NEO,TER ARGEAR 55,117,85
ivn-rat TDLo:20 mg/kg (22D post):NEO,TER IARCCD 4,127,73
ivn-rat TDLo:10 mg/kg (15D post):NOO,TER KFIKAO 84,23,75
par-rat TDLo:5 mg/kg (21D post):NEO,TER IARCCD 4,1,73
unr-rat TDLo:10 mg/kg:NEO,TER 40RMA7 -,64,78
unr-rat TDLo:20 mg/kg (21D post):NEO,TER VOONAW 20(12),76,74
scu-mus TDLo:75 mg/kg (14-19D post):NEO,TER VOONAW 17(8),75,71
ivn-mus TDLo:50 mg/kg (15D post):NEO,TER SEIJBO 21,261,81
ivn-ham LDLo:42 mg/kg JPBA7 92,35,66
orl-uns LD50:110 mg/kg GANMAX 17,107,75
ivn-uns LD50:110 mg/kg GANMAX 17,107,75

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,56,87; Human Limited Evidence IMEMDT 17,227,78; Animal Sufficient Evidence IMEMDT 17,227,78, IMEMDT 1,125,72. EPA Genetic Toxicology Program. Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by ingestion and intravenous routes. Experimental reproductive effects. Human mutation data reported. Explodes at room temperature. Can detonate with (KOH + CH₂Cl₂). When heated to decomposition it emits toxic fumes of NO_x. See also N-NITROSO COMPOUNDS.

MNB000 CAS: 37793-22-9 HR: D
d-1-(3-METHYL-3-NITROSOUREIDO)-1-DEOXYGALACTOPYRANOSE

mf: C₈H₁₅N₃O₇ mw: 265.26

SYNS: 1-DEOXY-1-(3-METHYL-3-NITROSOUREIDO)-d-GALACTOPYRANOSE □ 3-β-d-GALACTOPYRANOSYL-1-METHYL-1-NITROSOUREA □ SZAZ

TOXICITY DATA with REFERENCE:

mma-sat 400 mg/L/1H MUREAV 40,281,76
ham-lng 100 mg/L CBINA8 13,173,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MNB100 CAS: 24325-70-0 HR: D

(E)-4-METHYL-4'-NITROSTILBENE

mf: C₁₅H₁₃NO₂ mw: 239.29

SYNS: BENZENE, 1-METHYL-4-(2-(4-NITROPHENYL)-ETHENYL)-, (E)- □ (E)-1-METHYL-4-(2-(4-NITROPHENYL)-ETHENYL)BENZENE □ trans-4'-METHYL-4-NITROSTILBENE

TOXICITY DATA with REFERENCE:

mic-sat 3300 pmol/plate MUREAV 341,57,1994
uns-ipr-mus 100 mg/kg MUREAV 341,57,1994
cyt-ipr-mus 100 mg/kg MUREAV 341,57,1994
mic-sat 6.25 µLg/plate/48H MUREAV 491,195,2001

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

MNB250 CAS: 39070-08-1 HR: 2
1-METHYL-2-NITRO-5-VINYL-1H-IMIDAZOLE

mf: C₆H₇N₃O₂ mw: 153.16

SYNS: L 8580 □ MEV

TOXICITY DATA with REFERENCE:

mno-esc 800 µmol/L JGMIAN 100,283,77
dnd-esc 30 µmol/L JGMIAN 100,283,77
dni-esc 170 µmol/L JGMIAN 100,271,77
pic-esc 33 µmol/L JGMIAN 100,271,77
dnr-bcs 5 µg/disc AEMIDF 43,177,82
orl-mus LD50:480 mg/kg JMCMA7 20,656,77

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

MNB300 CAS: 62421-98-1 HR: D
o-METHYL NOGALAROL

mf: C₃₀H₃₃NO₁₂ mw: 599.64

SYN: 7-o-METHYL NOGALAROL

TOXICITY DATA with REFERENCE:

dni-hmn:oth 850 nmol/L HXPHAU 38(Pt 2),623,75
dnd-mam:lym 12 µmol/L CBINA8 36,1,81

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

MNB500 CAS: 53153-66-5 HR: 2
3-METHYL-2(3)-NONENENITRILE

mf: C₁₀H₁₇N mw: 151.28

SYNS: CITGRENILE □ 2-NONENENITRILE, 3-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,757,82
orl-rat LD50:1720 mg/kg FCTOD7 20,757,82
skn-rbt LD50:>5 g/kg FCTOD7 20,757,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant. Low toxicity by skin contact. When heated to decomposition it emits toxic fumes of NO_x and CN⁻.

MNB600 CAS: 68141-17-3 HR: 1
METHYL NONYL ACETALDEHYDE DIMETHYL ACETAL

mf: C₁₄H₃₀O₂ mw: 230.44

SYNS: ALDEHYDE C-12 MNA DIMETHYL ACETAL □ 1,1-DIMETHOXY-2-METHYLUNDECANE □ MNA DIMETHYL ACETAL □ UNDECANE, 1,1-DIMETHOXY-2-METHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTOD7 30(Suppl),89S,92

skn-rbt LD50:>5 g/kg FCTOD7 30(Suppl),89S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNB750 CAS: 111-79-5 HR: 1
METHYL NONYLENATE

mf: C₁₀H₁₈O₂ mw: 170.28

SYNS: METHYL-2-NONENOATE □ 2-NONENOIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,811,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNC000 CAS: 111-80-8 HR: 2
METHYL-2-NONYNOATE

mf: C₁₀H₁₆O₂ mw: 168.26

PROP: A liquid. Bp: 85° @ 2.3 mm.

SYNS: METHYL OCTINE CARBONATE □ METHYL OCTYNE CARBONATE □ 2-NONYNOIC ACID, METHYL ESTER □ OCTYNECARBOXYLIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:2220 mg/kg FCTXAV 13,871,75

skn-rbt LD50:5000 mg/kg FCTXAV 13,871,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNC100 CAS: 7359-79-7 HR: D
21-METHYLNORETHISTERONE

mf: C₂₁H₂₈O₂ mw: 312.49

SYNS: 17-β-HYDROXY-17-(1-PROPYNYL)ESTR-4-EN-3-ONE □ 17-β-HYDROXY-17-α-(1-PROPYNYL)ESTR-4-EN-3-ONE □ 17-α-METHYLETHYNYL-19-NORTESTOSTERONE

SAFETY PROFILE: Human female reproductive effects by ingestion: menstrual cycle changes or disorders. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes.

MNC125 CAS: 53-38-3 HR: D
2-α-METHYL-A-NOR-17-α-PREGN-20-YNE-2-β,17-β-DIOL

mf: C₂₁H₂₈O₂ mw: 312.49

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

MNC150 CAS: 3570-10-3 HR: D
17-α-METHYL-B-NORTESTOSTERONE

mf: C₁₉H₂₈O₂ mw: 288.47

PROP: Crystals from Me₂CO/pet ether. Mp: 155–156°.

SYNS: BENORTERONE □ BENOTERONE □ 17-β-HYDROXY-17-METHYL-B-NORANDROST-4-EN-3-ONE □ SKF 7690

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

MNC175 CAS: 7786-29-0 HR: 1
2-METHYLOCTANAL

mf: C₉H₁₈O mw: 142.27

SYNS: METHYLHEXYLACETALDEHYDE □ α-METHYLOCTANAL □ OCTANAL, 2-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,753,82

orl-rat LD50:>5 g/kg FCTOD7 20,753,82

skn-rbt LD50:>5 g/kg FCTOD7 20,753,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNC250 CAS: 3221-61-2 HR: 3
2-METHYLOCTANE

mf: C₉H₂₀ mw: 128.26

PROP: Mp: -80.1°, autoign temp: 428°F, d: 0.71, vap d: 4.43, bp: 142.8°.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flames, oxidizers. To fight fire, use water spray, foam, fog, dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes.

MNC500 CAS: 2216-33-3 HR: 2
3-METHYLOCTANE

mf: C₉H₂₀ mw: 128.26

PROP: Autoign temp: 428°, d: 0.72, vap d: 4.43, bp: 143.8°.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flames, oxidizers. To fight fire, use water spray, foam, fog, dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes.

MNC750 CAS: 2216-34-4 HR: 2
4-METHYLOCTANE

mf: C₉H₂₀ mw: 128.26

PROP: Autoign temp: 437°F, bp: 142.4°.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flames, oxidizers. To fight fire, use water spray, foam, fog, dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes.

MND000 CAS: 37205-85-9 HR: 1
METHYL OCTANOATE and METHYL DECANOATE

PROP: Methyl ester of fatty acids with 8–12 alkyl carbons (85ARAE 3,8176).

SYNS: OCTANOIC ACID, METHYL ESTER mixed with METHYL DECANOATE □ OFF-SHOOT-O

TOXICITY DATA with REFERENCE:

orl-rat LD50:20,500 mg/kg 85ARAE 3,81,76/77

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

MND050 CAS: 5340-36-3 HR: 2
3-METHYL-3-OCTANOL

mf: C₉H₂₀O mw: 144.29

SYNS: AMYLETHYLMETHYLCARBINOL □ APROL 161 □ 3-METHYLOCTAN-3-OL □ 3-OCTANOL, 3-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,759,82

orl-rat LD50:3400 mg/kg FCTOD7 20,759,82

skn-rbt LD50:>5 g/kg FCTOD7 20,759,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MND075 CAS: 58654-67-4 HR: 3
5-METHYL-2-OCTANONE

mf: C₉H₁₈O mw: 142.27

SYNS: METHYL 3-METHYLHEXYL KETONE □ 2-OCTANONE, 5-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:4807 mg/kg TOLED5 30,13,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MND100 CAS: 24089-00-7 HR: 2
3-METHYL-1-OCTEN-OL

mf: C₉H₁₈O mw: 142.27

SYNS: APROL 160 □ 1-OCTEN-3-OL, 3-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV FCTOD7 20,761,82

orl-rat LD50:1800 mg/kg FCTOD7 20,761,82

skn-rbt LD50:>5 g/kg FCTOD7 20,761,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MND125 CAS: 4455-26-9 HR: 2
N-METHYL-N-OCTYL-1-OCTANAMINE

mf: C₁₇H₃₇N mw: 255.55

SYNS: DIOCTYLAMINE, N-METHYL- □ DIOCTYL-METHYL-AMINE □ DI-N-OCTYLMETHYLAMINE □ N,N-DIOCTYL-N-METHYLAMINE □ METHYLDIOCTYLAMINE □ N-METHYL-DIOCTYLAMINE □ 1-OCTANAMINE, N-METHYL-N-OCTYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H SEV NTIS** OTS0555231

SAFETY PROFILE: A severe skin irritant. When heated to decomposition it emits toxic vapors of NO_x.

MND275 CAS: 111-12-6 HR: 2
METHYL 2-OCTYNOATE

mf: C₉H₁₄O₂ mw: 154.23

PROP: Colorless to sltly yellow liquid; powerful, unpleasant odor; violet odor when diluted. Bp: 94° @ 10 mm, d: 0.919, refr index: 1.446, flash p: 212°F. Sol in fixed oils; sltly sol in propylene glycol; insol in glycerin.

SYNS: FEMA No. 2729 □ FOLIONE □ METHYL HEPTINE CARBONATE □ METHYL 2-OCTINATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,375,79

orl-rat LD50:1530 mg/kg FCTXAV 17,375,79

skn-rbt LD50:3300 mg/kg FCTXAV 17,375,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MND300 CAS: 81720-10-7 HR: 2
35-METHYLOKADAIC ACID

mf: C₄₅H₇₀O₁₃ mw: 819.15

SYNS: ACANTHIFOLICIN, 9,10-DEEPITHIO-9,10-DIDEHYDRO-35-METHYL- □ DINOPHYSISTOXIN-1 □ OKADAIC ACID, 35-METHYL-

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

MND500 CAS: 1181-54-0 HR: 3
N'-METHYLOL-*o*-CHLORTETRACYCLINE

mf: C₂₃H₂₇ClN₂O₉ mw: 510.97

PROP: Yellow solid. Mp: 145–170° (decomp).

TOXICITY DATA with REFERENCE:

orl-mus LD50:2830 mg/kg 85ERAY 1,501,78

ipr-mus LD50:273 mg/kg 85ERAY 1,501,78

ivn-mus LD50:115 mg/kg 85ERAY 1,501,78

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

MND550 CAS: 20120-33-6 HR: 1
N-METHYLOL DIMETHYLPHOSPHONO-PROPIONAMIDE

mf: C₆H₁₄NO₅P mw: 211.18

SYNS: PHOSPHONIC ACID, (3-((HYDROXYMETHYL)AMINO)-3-OXOPROPYL)-, DIMETHYL ESTER (9CI) □ PHOSPHONIC ACID, (2-((HYDROXYMETHYL)CARBAMOYL)ETHYL)-, DIMETHYL ESTER □ PYROVATEX 3805 □ PYROVATEX CP □ SPOLAPRET OS

TOXICITY DATA with REFERENCE:

cyt-ham:lng 1 g/L ARTODN 4,41,80

orl-rat LD50:13 g/kg ESKHA5 (101),152,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and PO_x .

MND575 CAS: 2288-32-6 HR: D
(METHYL-ONN-AZOXY)METHYL-3- α - β -d-GLUCOPYRANOSYL β -d-GLUCO-PYRANOSIDE

mf: $\text{C}_{14}\text{H}_{26}\text{N}_2\text{O}_{12}$ mw: 414.42

SYN: β -d-GLUCOPYRANOSIDE, (METHYL-ONN-AZOXY)-METHYL-3- α - β -d-GLUCOPYRANOSYL-

TOXICITY DATA with REFERENCE:

mic-sat 100 nmol/plate PNASA6 77,4961,1980

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

MND600 CAS: 547-58-0 HR: 3
METHYL ORANGE

mf: $\text{C}_{14}\text{H}_{14}\text{N}_3\text{O}_3\text{S}\cdot\text{Na}$ mw: 327.36

PROP: Orange-yellow powder or crystalline scales. Sol in 500 parts water; more sol in hot water; practically insol in alc.

SYNS: C.I. 13025 \square C.I. ACID ORANGE 52 \square DIAZOBEN \square 4-DIMETHYLAMINOAZOBENZENE-4'-SULPHONIC ACID SODIUM SALT \square p-(p-(DIMETHYLAMINO)PHENYL)AZO-BENZENESULFONIC ACID SODIUM SALT \square ENIAMETHYL ORANGE \square GOLD ORANGE \square HELIANTHINE \square HELIANTHINE B \square KCA METHYL ORANGE \square METHYL ORANGE B \square ORANGE 3 \square ORANGE III \square TROPAEOLIN

TOXICITY DATA with REFERENCE:

mma-ssp 100 mg/L PMRSDJ 1,424,81

dns-hmn:fbr 4 mg/L PMRSDJ 1,528,81

orl-rat LD50:60 mg/kg 85JCAE -,1306,86

ipr-mus LD50:101 mg/kg PMRSDJ 1,682,81

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal route. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x , NO_x and Na_2O . See also SULFONATES.

MND700 CAS: 27970-32-7 HR: 3
3-METHYL-1,3-OXAZOLIDINE

mf: $\text{C}_4\text{H}_9\text{NO}$ mw: 87.14

SYNS: N-METHYLOXAZOLIDINE \square 3-METHYLOX-AZOLIDINE \square OXAZOLIDINE, 3-METHYL-

TOXICITY DATA with REFERENCE:

eye-rbt 5 μL /24H SEV NTIS** OTS0539464

orl-rat LD50:410 μL /kg NTIS** OTS0539464

skn-rbt LD50:930 μL /kg NTIS** OTS0539464

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

MND750 CAS: 19836-78-3 HR: 1
3-METHYL-2-OXAZOLIDONE

mf: $\text{C}_4\text{H}_7\text{NO}_2$ mw: 101.12

PROP: Bp: 120° @ 1 mm.

TOXICITY DATA with REFERENCE:

orl-rat LD50:7130 mg/kg AIHAAP 30,470,69

skn-rbt LD50:10,800 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNE250 CAS: 9038-95-3 HR: 1
METHYLOXIRANE, POLYMER with OXIRANE, MONOBUTYL ESTER

SYN: UCON FLUID 50-HB 260

TOXICITY DATA with REFERENCE:

orl-rat LD50:5000 mg/kg TXAPA9 17,498,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNE275 CAS: 10242-13-4 HR: 3
6-METHYL-2-OXO-2H-1-BENZOPYRAN-3-CARBOXYLIC ACID

mf: $\text{C}_{11}\text{H}_8\text{O}_4$ mw: 204.19

SYN: 2H-1-BENZOPYRAN-3-CARBOXYLIC ACID, 6-METHYL-2-OXO-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:75 mg/kg NCNSA6 5,30,1953

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

MNE300 CAS: 40373-43-1 HR: 2
METHYL(1-OXOBUTYL)CARBAMIC ACID 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL ESTER

mf: $\text{C}_{15}\text{H}_{19}\text{NO}_5$ mw: 293.35

SYNS: CARBAMIC ACID, METHYL(1-OXOBUTYL)-, 2,2-DI-METHYL-1,3-BENZODIOXOL-4-YL ESTER \square 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL N-BUTYRYL-N-METHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>1 g/kg USXXAM #3948952

orl-mus LD50:2 g/kg PSSCBG 3,735,72

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

MNE400 CAS: 60315-52-8 HR: 2
1-METHYL-4-OXO-9-(p-NITROPHENACYL)-1H,2,3,4,9-TETRAHYDROPYRROLO(2,3-B)QUINOLINE

mf: $\text{C}_{20}\text{H}_{17}\text{N}_3\text{O}_4$ mw: 363.40

SYN: 1H-PYRROLO(2,3-B)QUINOLIN-4-ONE, 2,3,4,9-TETRAHYDRO-1-METHYL-9-(p-NITROPHENACYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:755 mg/kg KHFZAN 10(5),18,1976

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

MNF250 CAS: 21308-79-2 HR: 2
METHYL-12-OXO-trans-10-OCTADECENOATE

mf: $\text{C}_{19}\text{H}_{34}\text{O}_3$ mw: 310.53

PROP: Oil. Mp: 12-13°.

SYNS: 12-OXO-trans-10-OCTADECENOIC ACID, METHYL ESTER □ (E)-12-OXO-10-OCTADECENOIC ACID, METHYL ESTER

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

MNF300 CAS: 40373-44-2 HR: 3
METHYL(1-OXOPENTYL)CARBAMIC ACID 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL ESTER

mf: C₁₆H₂₁NO₅ mw: 307.38

SYNS: CARBAMIC ACID, METHYL(1-OXOPENTYL)-, 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL ESTER □ 2,2-DIMETHYL-1,3-BENZODIOXOL-4-YL N-PENTANOYL-N-METHYL-CARBAMATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:170 mg/kg PSSCBG 3,735,72

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

MNG000 CAS: 73-09-6 HR: 3
(3-METHYL-4-OXO-5-PIPERIDINO-2-THIAZOLIDINYLIDENE)ACETIC ACID ETHYL ESTER

mf: C₁₃H₂₀N₂O₃S mw: 284.41

SYNS: 2-CARBETHOXYMETHYLENE-3-METHYL-5-PIPERIDINO-4-THIAZOLIDONE □ ELKAPIN □ ETHYL (Z)-(3-METHYL-4-OXO-5-PIPERIDINO-THIAZOLIDIN-2-YLIDENE)-ACETATE □ ETOZOLINE □ GOE 687 (GERMAN) □ 3-METHYL-4-OXO-5-PIPERIDINO-Δ²,6-THIAZOLIDINEACETIC ACID ETHYL ESTER □ Z-(3-METHYL-4-OXO-5-PIPERIDINO-THIAZ-OLIDIN-2-YLIDENE)-ESSIGSAEUREAETHYLESTER (GERMAN) □ (3-METHYL-4-OXO-5-(1-PIPERIDINYL)-2-THIAZOLIDINYLIDENE)ACETIC ACID ETHYL ESTER □ W 2900 A

TOXICITY DATA with REFERENCE:

orl-rat LD50:10,250 mg/kg ARZNAD 27,1745,77

ipr-rat LD50:1575 mg/kg ARZNAD 27,1745,77

ivn-rat LDLo:110 mg/kg ARZNAD 27,1745,77

orl-mus LD50:8670 mg/kg ARZNAD 27,1745,77

ipr-mus LD50:1210 mg/kg ARZNAD 27,1745,77

ivn-mus LDLo:57 mg/kg ARZNAD 27,1745,77

orl-dog LDLo:3200 mg/kg ARZNAD 27,1745,77

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Used as a diuretic. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also ESTERS.

MNG250 CAS: 27343-29-9 HR: 2
11-METHYL-1-OXO-1,2,3,4-TETRAHYDRO-CHRYSENE

mf: C₁₉H₁₆O mw: 260.35

SYN: 1,2,3,4-TETRAHYDRO-11-METHYLCHRYSEN-1-ONE

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate CNREA8 36,4525,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MNG500 CAS: 593-56-6 HR: D
METHYLOXYLAMMONIUM CHLORIDE

mf: CH₅NO•ClH mw: 83.53

PROP: Prisms. Mp: 149°.

SYNS: METHOXYAMINE HYDROCHLORIDE □ METHOXYLAMINE HYDROCHLORIDE □ o-METHYLHYDROXYLAMINE □ o-METHYLHYDROXYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

oms-bcs 900 mmol/L DKBSAS 257,154,81

msc-ham:lng 2 g/L SOGEBZ 11,475,75

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

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl, NH₃ and NO_x. See also AMINES.

MNG525 CAS: 34388-29-9 HR: 2
4-(METHYLOXYMETHYL)BENZYL CHRYSANthemUM MONOCARBOXYLATE

mf: C₁₉H₂₆O₃ mw: 302.45

SYNS: CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYLPROPENYL)-, p-(METHOXYMETHYL) BENZYL ESTER □ 2,2-DIMETHYL-3-(2-METHYLPROPYL)CYCLOPROPANECARBOXYLIC ACID-p-(METHOXYMETHYL)BENZYL ESTER □ MB PYRETHROID

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD CHYCDW 17,8,83

orl-rat LD50:900 mg/kg CHYCDW 17,8,83

orl-mus LD50:1747 mg/kg CHYCDW 17,8,83

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

MNH000 CAS: 298-00-0 HR: 3
METHYL PARATHION

DOT: NA 2783/NA 3018

mf: C₈H₁₀NO₅PS mw: 263.22

PROP: Crystals or solid; garlic-like odor. Vap d: 9.1, mp: 35–36°, d: 1.358 @ 20°/4°, bp: 158° @ 2 mm. Sol in most org solvs.

SYNS: A-GRO □ AZOFOS □ AZOPHOS □ BAY 11405 □ BAY E-601 □ BLADAN-M □ CEKUMETHION □ DALF □ DEVITHION □ O,O-DIMETHYL-O-p-NITROFENYLESTER KYSELINY THIOFOSFORECNE (CZECH) □ O,O-DIMETHYL-O-(4-NITROFENYL)-MONOTHIOFOSFAAT (DUTCH) □ O,O-DIMETHYL-O-(4-NITRO-PHENYL)-MONOTHIOFOSPHAT (GERMAN) □ DIMETHYL p-NITROPHENYL MONOTHIOFOSPHATE □ O,O-DIMETHYL-O-(p-NITROPHENYL) PHOSPHOROTHIOATE □ O,O-DIMETHYL-O-(4-NITROFENYL) PHOSPHOROTHIO-ATE □ DIMETHYL 4-NITROPHENYL PHOSPHOROTHIONATE □ O,O-DIMETHYL-O-(p-NITROFENYL)-THIONOPHOSPHAT (GERMAN) □ O,O-DIMETHYL-O-(4-NITROFENYL)THIONOPHOSPHAT (GERMAN) □ DIMETHYL-p-NITROPHENYL THIONOPHOSPHATE □ DIMETHYL p-NITROPHENYL THIO- PHOSPHATE □ O,O-DIMETHYL-O-p-NITROFENYL THIO- PHOSPHATE □ DIMETHYL PARATHION □ O,O-DIMETHYL-O-(4-NITRO-FENIL)-MONOTIOFOSFATO (ITALIAN) □ DREXEL METHYL PARATHION 4E □ ENT 17,292 □ FOLIDOL M □ GEARPHOS □ ME-PARATHION □ MEPATON □ MEPTOX □ METACIDE □ METAFOS □ METAPHOR □ METAPHOS □ METHYL-E 605 □ METHYL FOSFERNO □ METHYL NIRAN □ METHYLTHIOPHOS □ METILPARATION (HUNGARIAN) □ METRON □ METYLOPARATION (POLISH) □

METYLPARATHION (CZECH) □ NCI-C02971 □ p-NITROPHENYL-DIMETHYLTHIONOPHOSPHATE □ NITROX □ OLEOVO-FOTOX □ PARAPEST M-50 □ PARATAF □ M-PARATHION □ PARATHION METHYL □ PARATHION-METILE (ITALIAN) □ PARATOX □ PENNCAP-M □ RCRA WASTE NUMBER P071 □ SINAFID M-48 □ SIXTY-THREE SPECIAL E.C. INSECTICIDE □ TEKWAISA □ THIOPHENIT □ THIOPHOSPHATE de O,O-DIMETHYLE et de O-(4-NITROPHENYLE) (FRENCH) □ THYLFAR M-50 □ TOLL □ VERTAC METHYL PARATHION TECHNISC 80% □ VOFATOX □ WOFATOS □ WOFATOX □ WOFOTOX

TOXICITY DATA with REFERENCE:

mmo-sat 667 µg/plate ENMUDM 5(Suppl 1),3,83
 sce-hmn:lym 10 mg/L MUREAV 88,307,81
 orl-rat LD50:6 mg/kg 28ZPAK -,208,72
 ihl-rat LC50:34 mg/m³/4H EGESAQ 34,173,80
 skn-rat LD50:63 mg/kg SPEADM 78-1,38,78
 ipr-rat LD50:2800 µg/kg APCRAW 4,117,61
 scu-rat LD50:6 mg/kg JEENAI 50,356,57
 ivn-rat LD50:9 mg/kg NTIS** PB277-077
 orl-mus LD50:18 mg/kg 85GMAT -,59,82
 ihl-mus LC50:120 mg/m³/4H NTIS** PB241-840
 skn-mus LD50:1200 mg/kg JTEHD6 9,491,82
 ipr-mus LD50:5400 µg/kg PCBPBS 8,302,78
 scu-mus LD50:18 mg/kg BLLIAX 38,151,58
 ivn-mus LD50:9800 µg/kg NTIS** PB241-840
 skn-rbt LD50:300 mg/kg AFDOAQ 16,3,52
 orl-brd LD50:5 mg/kg JTCEEM 6(3),175,86
 orl-rat TDLo:182 mg/kg/26W-I GISAAA 23(12),19,58
 orl-rat TDLo:1400 µg/kg/15D-I TXCYAC 75,13,92
 orl-rat TDLo:25 mg/kg/21W-I TXCYAC 75,13,92
 ihl-rat TCLo:24 µg/m³/24H/93D-C GISAAA 33(10),10,68

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal No Evidence IMEMDT 30,131,83. NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-157,79. EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.2 mg/m³ (skin)

ACGIH TLV: TWA 0.2 mg/m³ (skin); Not Classifiable as a Human Carcinogen

NIOSH REL: (Methyl Parathion) TWA 0.2 mg/m³

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by inhalation, ingestion, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Fatal poisoning can result from skin or eye contact after very brief exposure to concentrated solution. Experimental teratogenic and reproductive effects. Questionable carcinogen. Human mutation data reported. A cholinesterase inhibitor type of insecticide. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, and SO_x. See also PARATHION.

MNH250 CAS: 1825-21-4 HR: 3 METHYL PENTACHLOROPHENATE

mf: C₇H₃Cl₅O mw: 280.35

PROP: Needles from MeOH. Mp: 108–109°.

SYNS: METHYL PENTACHLOROPHENYL ESTER □ NCI-C56520 □ PENTACHLOROANISOLE □ 2,3,4,5,6-PENTACHLOROANISOLE □ PENTACHLOROMETHOXYBENZENE □ PENTACHLOROPHENYL METHYL ETHER

TOXICITY DATA with REFERENCE:

mmo-sat 3333 µg/plate ENMUDM 8(Suppl 7),1,86
 mmo-sat 3333 µg/plate ENMUDM 8(Suppl 7),1,86
 orl-rat LDLo:500 mg/kg JPETAB 90,260,47
 orl-mus LD50:318 mg/kg TECSYD 11,37,86
 ipr-mus LD50:281 mg/kg TECSYD 11,37,86

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Mutation data reported. A pesticide. When heated to decomposition it emits toxic fumes of Cl⁻. See also ESTERS, ETHERS, and CHLORINATED HYDROCARBONS, AROMATIC.

MNH500 CAS: 54363-49-4 HR: 3 METHYLPENTADIENE

mf: C₆H₁₀ mw: 82.16

PROP: Liquid. Bp: 75–77°, flash p: <–4°F, d: 0.7184 @ 20°/4°, vap d: 2.83.

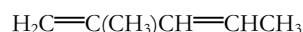
TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD SCCUR* -,7,61
 ihl-mus LCLo:12,200 ppm/4H SCCUR* -,7,61

SAFETY PROFILE: Mildly toxic by inhalation. A skin irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Keep away from heat and open flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MNH750 CAS: 1118-58-7 HR: 3 2-METHYL-1,3-PENTADIENE

mf: C₆H₁₀ mw: 82.15



PROP: A liquid. Bp: 75.9–76° @ 765 mm.

SYN: ISOPRENE

PROP: Flash p: <–4°F, bp: 75–77°, d: 0.7184 @ 20°/4°, vap d: 2.83.

SAFETY PROFILE: Probably irritating and narcotic in high concentration. A very dangerous fire hazard when exposed to heat, flame or oxidizers. Keep away from heat or open flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MNI000 CAS: 926-56-7 HR: 3 4-METHYL-1,3-PENTADIENE

mf: C₆H₁₀ mw: 82.15



PROP: A liquid. D: 0.718 @ 20°/4°, bp: 76.3°, flash p: –29.2°F.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits acrid smoke and irritating fumes. See also 2-METHYL-1,3-PENTADIENE.

MNI500 CAS: 96-14-0 HR: 3 3-METHYLPENTANE

mf: C₆H₁₄ mw: 86.18

PROP: Flash p: 19.4°F, lel: 1.2%, uel: 7.0%, bp: 63.3°, fp: –118° (sets to a glass), d: 0.669 @ 15°/15°, vap press: 100 mm @ 10.5°, vap d: 2.97.

SYN: DIETHYLMETHYL METHANE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: 200 ppm (720 mg/m³)

SAFETY PROFILE: May have narcotic or anesthetic properties. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Explosive in the form of vapor when exposed to heat or flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MNI515 CAS: 15520-10-2 HR: 2

2-METHYL-1,5-PENTANEDIAMINE

mf: C₆H₁₆N₂ mw: 116.24

SYNS: DYTEK A □ 2-METHYLPENTAMETHYLENEDIAMINE □ 1,5-PENTANEDIAMINE, 2-METHYL-

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:2900 mg/m³/1H TOXID9 122,357,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNI525 CAS: 21586-21-0 HR: 2

2-METHYL-2,4-PENTANEDIAMINE

mf: C₆H₁₆N₂ mw: 116.24

SYNS: 2,4-DIAMINO-2-METHYLPENTANE □ 2,4-PENTANEDIAMINE, 2-METHYL-

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV JACTDZ 1,14,90

eye-rbt 100 mg SEV JACTDZ 1,14,90

orl-rat LD50:431 mg/kg JACTDZ 1,14,90

skn-rbt LD50:1600 mg/kg JACTDZ 1,14,90

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

MNI750 CAS: 4457-71-0 HR: 3

3-METHYL-1,5-PENTANEDIOL

mf: C₆H₁₄O₂ mw: 118.20

PROP: Clear liquid. Fp: -60°, bp: 117° @ 0.4 mm, d: 0.9755 @ 20°/20°, vap press: <0.01 mm @ 20°, vap d: 4.

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#01094

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Flammable when exposed to heat or flame; can react with oxidizing materials. To fight fire, use foam, dry chemical, CO₂. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.

MNJ000 CAS: 542-54-1 HR: 3

4-METHYLPENTANENITRILE

mf: C₆H₁₁N mw: 97.18

PROP: A liquid. D: 0.804 @ 20°/4°, mp: -51.1°, bp: 156-157°. Insol in water; misc in alc and ether.

SYNS: ISOAMYL CYANIDE □ ISOCAPRONITRILE □ 4-METHYLVALERONITRILE

TOXICITY DATA with REFERENCE:

orl-mus LD50:488 mg/kg NEZAAQ 39,423,84

scu-rbt LDLo:90 mg/kg AIPTAK 5,161,1899

scu-frg LDLo:1600 mg/kg AIPTAK 5,161,1899

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

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

MNJ100 CAS: 77-74-7 HR: 2

3-METHYL-3-PENTANOL

mf: C₆H₁₄O mw: 102.20

PROP: Bp: 122.1-122.9°.

SYNS: METHYLDIAETHYLCARBINOL (GERMAN) □

METHYLDIETHYLCARBINOL □ 3-METHYL-PENTANOL-(3) (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:710 mg/kg JPETAB 115,230,55

orl-mus LDLo:750 mg/kg LDTU** -,31

scu-mus LD50:1100 mg/kg ARZNAD 5,161,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNJ750 CAS: 623-36-9 HR: 2

2-METHYL-2-PENTEN-1-AL

mf: C₆H₁₀O mw: 98.16

PROP: Liquid with pungent odor.

SYNS: 2-METHYL-2-PENTENAL □ 2-METHYL-2-PENTENE-1-AL

TOXICITY DATA with REFERENCE:

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

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

orl-rat LD50:4290 mg/kg AMIHBC 10,61,54

ihl-rat LC50:2000 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:4500 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNK000 CAS: 763-29-1 HR: 3

2-METHYLPENTENE

mf: C₆H₁₂ mw: 84.18

PROP: A liquid. Mp: -135.8°, bp: 62°, flash p: -18.4°F, d: 0.682 @ 20°/4°, vap press: 326 mm @ 37.3°, vap d: 2.9, autoign temp: 572°F.

SYNS: 2-METHYL-1-PENTENE □ 2-METHYL-PENTENE-1

TOXICITY DATA with REFERENCE:

ihl-rat LC50:115 g/m³/4H RPTOAN 31,162,68

ihl-mus LC50:127 g/m³/2H RPTOAN 31,162,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by inhalation. Probably irritating and narcotic in high concentration. A very dangerous fire hazard when exposed to heat, flame or oxidizers; can react vigorously with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MNK100 CAS: 625-27-4 HR: 1

2-METHYL-2-PENTENE

mf: C₆H₁₂ mw: 84.18

SYNS: 2-METHYL-PENTENE-2 □ 2-PENTENE, 2-METHYL-

TOXICITY DATA with REFERENCE:

ihl-rat LC50:114 g/m³/4H RPTOAN 31,162,68

ihl-mus LC50:130 g/m³/2H RPTOAN 31,162,68

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

MNK250 HR: 3

4-METHYL-1-PENTENE

mf: C₆H₁₂ mw: 84.18

PROP: A liquid. Mp: -153.6°, bp: 54°, flash p: 19.4°F, d: 0.668 @ -15.5°/15.5°, vap press: 424 mm @ 38° vap d: 2.9, autoign temp: 572°F.

SAFETY PROFILE: Irritating and narcotic in high concentration. A very dangerous fire hazard when exposed to heat, flame or oxidizers; can react vigorously with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MNK500 HR: 3

4-METHYL-2-PENTENE

mf: C₆H₁₂ mw: 84.18

PROP: Liquid. Mp: -134.4°, bp: 58°, d: 0.670 @ 20°/4°, vap d: 2.90, flash p: <20°F.

SYN: 1-ISOPROPYL-2-METHYL ETHYLENE

SAFETY PROFILE: Irritating and narcotic in high concentration. A very dangerous fire hazard when exposed to heat, flame, or oxidizers; can react with oxidizing materials. To fight fire, use dry chemical, CO₂, foam. When heated to decomposition it emits acrid smoke and irritating fumes.

MNK750 CAS: 4461-48-7 HR: 3

trans-4-METHYL-2-PENTENE

mf: C₆H₁₂ mw: 84.18



PROP: Bp: 57.7-58.5°, d: 0.671 @ 20°/4°.

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

MNL250 CAS: 918-85-4 HR: 2

3-METHYL-1-PENTEN-3-OL

mf: C₆H₁₂O mw: 100.18

SYN: 3-METHYL-PENTEN-(1)-OL-(3) (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:700 mg/kg JPETAB 115,230,55

orl-mus LD50:1152 mg/kg ARZNAD 4,477,54

scu-mus LD50:1160 mg/kg ARZNAD 5,161,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNL500 CAS: 63468-05-3 HR: 2

4-METHYL-2-PENTEN-4-OL

mf: C₆H₁₂O mw: 100.18

PROP: Bp: 112°.

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD SCCUR* -,7,61

orl-rat LDLo:3750 mg/kg SCCUR* -,7,61

orl-mus LD50:1940 mg/kg SCCUR* -,7,61

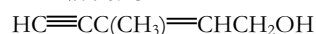
ihl-mus LCLo:4390 ppm/1H SCCUR* -,7,61

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

MNL775 CAS: 105-29-3 HR: 3

3-METHYL-2-PENTEN-4-YN-1-OL

mf: C₆H₈O mw: 96.13



SAFETY PROFILE: Decomposes violently when heated above 155°C. May polymerize exothermically when heated above 100°C. Polymerization is catalyzed by traces of acid or base. Reaction with sodium hydroxide forms an explosive salt. The cis- isomer readily cyclizes to form the dangerous 2,3-dimethylfuran. When heated to decomposition it emits acrid smoke and irritating fumes. See also ACETYLENE COMPOUNDS.

MNM450 CAS: 1599-49-1 HR: 1

4-METHYL-2-PENTYL-DIOXOLANE

mf: C₉H₁₈O₂ mw: 158.27

SYN: 1,3-DIOXOLANE, 4-METHYL-2-PENTYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:6802 mg/kg DCTODJ 3,249,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNM500 CAS: 302-66-9 HR: 3

METHYLPENTYNOL CARBAMATE

mf: C₇H₁₁NO₂ mw: 141.19

PROP: Sltly water-sol crystals from Et₂O/pet ether or cyclohexane. Mp: 57°, bp: 121° @ 16 mm.

SYNS: ANANSIOL □ CALMINOL □ CARBAMATE de METHYLPENTINOL (FRENCH) □ CARBAMIC ACID-1-ETHYL-1-METHYL-2-PROPANYL ESTER □ CARBAMIC ACID-2-ETHYNYL-2-BUTYL ESTER □ 3-CARBAMOYLOXY-3-METHYL-4-PENTYNE □ COMESA □ 1-ETHYL-1-METHYL-2-PROPANYL CARBAMATE □ 2-ETHYNYL-2-BUTYL CARBAMATE □ FORMARIN □ MEPAFYNYL CARBAMATE □ MEPENTAMATE □ MEPENTAMATO □ METHYLPARAFYNYL CARBAMATE □ 3-METHYL-PENTIN-(1)-OL-(3) (GERMAN) □ 3-METHYL-1-PENTYN-3-OL CARBAMATE □ 3-MPC □ OBLIVON C □ OBLIVON CARBAMATE □ OLOSD □ OVETTEN □ PENTIN C

□ PLACIDAL □ PLACIDAS □ PSICOPLEGIL □ PSICOSEDINA □ TRUSONO □ USAF EL-108 □ VEREDEN

TOXICITY DATA with REFERENCE:

orl-mus LD50:337 mg/kg JPPMAB 10,315,58
 ipr-mus LD50:100 mg/kg NTIS** AD277-689
 scu-mus LD50:450 mg/kg ARZNAD 5,161,55

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by subcutaneous route. A sedative and tranquilizer which can cause central nervous system depression and death by overdose. Toxic effects are enhanced with the use of alcohol and barbiturates. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

MNM750 CAS: 17043-56-0 HR: 3
METHYL PERCHLORATE

mf: CH₃ClO₄ mw: 114.49

PROP: Used as a soln in org solvs. Sol in hexane, dioxan, and C₆H₆.

SAFETY PROFILE: An unstable explosive very sensitive to heat, shock and friction. Incompatible with alkyl perchlorates; oxygen. Upon decomposition it emits toxic fumes of Cl⁻. See also PERCHLORATES.

MNN000 CAS: 685-09-6 HR: 3
METHYL PERFLUOROMETHACRYLATE

mf: C₅H₃F₅O₂ mw: 190.08

SYNS: 3,3-DIFLUORO-2-(TRIFLUOROMETHYL)ACRYLIC ACID, METHYL ESTER □ 3,3-DIFLUORO-2-(TRIFLUOROMETHYL)-2-PROPENOIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:220 mg/kg TXAPA9 14,114,69
 ipr-mus LD50:17 mg/kg TXAPA9 14,114,69
 ivn-mus LD50:20 mg/kg TXAPA9 14,114,69

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

MNN250 CAS: 3871-82-7 HR: 3
METHYLPERIDOL HYDROCHLORIDE

mf: C₂₂H₂₆FNO₂•ClH mw: 391.95

PROP: Crystals from isopropyl ether. Mp: 216–218°.

SYNS: 4'-FLUORO-4-(4-HYDROXY-4-P-TOLYLPIPERIDINO)-BUTYROPHENONE, HYDROCHLORIDE □ 1-(4-FLUOROPHENYL)-4-(4-HYDROXY-4-(4-METHYLPHENYL)-1-PIPERIDINYL)-1-BUTANONE HYDROCHLORIDE □ LUVATRENE □ METHYLPERIDOL □ MOPERONE CHLORHYDRATE □ MOPERONE HYDROCHLORIDE □ R 1658

TOXICITY DATA with REFERENCE:

orl-rat LD50:152 mg/kg KSRNAM 4,869,70
 scu-rat LD50:24,500 µg/kg KSRNAM 4,869,70
 ivn-rat LD50:12,100 µg/kg KSRNAM 4,869,70
 orl-mus LD50:218 mg/kg KSRNAM 4,869,70
 orl-mus LD50:28,100 µg/kg KSRNAM 4,869,70
 ivn-mus LD50:15,500 µg/kg KSRNAM 4,869,70

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

MNN350 CAS: 18760-80-0 HR: 3

di-N-METHYLPHEDRINE HYDROCHLORIDE

mf: C₁₁H₁₇NO•ClH mw: 215.75

PROP: Crystals from Me₂CO. Mp: 207–208°.

SYN: di-METHYLEPHENDRINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:758 mg/kg NIIRDN 6,827,82
 scu-mus LD50:484 mg/kg NIIRDN 6,827,82
 ivn-mus LD50:134 mg/kg NIIRDN 6,827,82

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

MNN400 CAS: 832-69-9 HR: 2
1-METHYLPHENANTHRENE

mf: C₁₅H₁₂ mw: 192.27

SYN: PHENANTHRENE, 1-METHYL-

TOXICITY DATA with REFERENCE:

mmo-sat 5 µg/plate MUREAV 156,61,85
 msc-hmn:lym 25 µmol/L MUREAV 128,221,84

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 32,405,83; Human No Adequate Data IMEMDT 32,405,83.

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

MNN520 CAS: 2531-84-2 HR: D
2-METHYLPHENANTHRENE

mf: C₁₅H₁₂ mw: 192.27

SYN: PHENANTHRENE, 2-METHYL-

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate MUREAV 156,61,85

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

MNO250 CAS: 21917-91-9 HR: 2
2-METHYLPHENANTHRO(2,1-d)THIAZOLE

mf: C₁₆H₁₁NS mw: 249.34

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

MNO500 CAS: 299-11-6 HR: D
5-METHYLPHENAZINE METHYLSULFATE

mf: C₁₃H₁₁N₂•CH₃O₄S mw: 306.36

SYNS: N-METHYLPHENAZIUM METHOSULFATE □ 5-METHYLPHENAZIUM METHYL SULFATE □ N-METHYLPHENAZONIUM METHOSULFATE □ 5-N-METHYL-PHENAZONIUM METHOSULFATE □ N-METHYLPHENAZONIUM METHOSULPHATE □ PHENAZINE METHOSULFATE □ PMS

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate MUREAV 40,203,76
 mma-sat 100 µg/plate MUREAV 40,203,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNO750 CAS: 3735-23-7 HR: 3**METHYL PHENCAPTON**mf: C₉H₁₁Cl₂O₂PS₃ mw: 349.25

SYNS: ((2,5-DICHLOROPHENYLTHIO)METHANETHIOL)-S-ESTER with O,O-DIMETHYL PHOSPHORODITHIOATE □ S-(((2,5-DICHLOROPHENYL)THIO)METHYL) O,O-DIMETHYL PHOSPHORODITHIOATE □ O,O-DIMETHYL S-(2,5-DICHLOROPHENYLTHIO)METHYL PHOSPHORODITHIOATE □ ENT 25,554-X □ GEIGY 30494

TOXICITY DATA with REFERENCE:

orl-rat LD50:220 mg/kg ARSIM* 20,10,66

orl-mus LD50:11 mg/kg ARSIM* 20,10,66

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻, SO_x and PO_x.

MNO775 CAS: 21085-56-3 HR: 3**2-METHYLPHENELZINE**mf: C₉H₁₄N₂ mw: 150.25

SYNS: (o-METHYLPHENETHYL)HYDRAZINE □ (2-(2-METHYLPHENYL)ETHYL)-HYDRAZINE □ SL 31

TOXICITY DATA with REFERENCE:

scu-mus LD50:250 mg/kg JOENAK 49,635,71

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

MNO780 CAS: 32504-14-6 HR: D**4-METHYLPHENELZINE**mf: C₉H₁₄N₂ mw: 150.25

SYNS: HYDRAZINE, (p-METHYLPHENETHYL)- □ (p-METHYLPHENETHYL)HYDRAZINE

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

MNP250 CAS: 65210-29-9 HR: 3
2-METHYL-2-(2-(PHENETHYLAMINO)ETHYL)-1,3-BENZODIOXOLE HYDROCHLORIDEmf: C₁₈H₂₁NO₂•ClH mw: 319.86**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:20 mg/kg EJMCA5 12,413,77

ipr-mus LD50:100 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.

MNP300 CAS: 60789-89-1 HR: 3
1-(α-METHYLPHENETHYL)-2-(5-METHYL-3-ISOXAZOLYL CARBONYL)HYDRAZINEmf: C₁₄H₁₇N₃O₂ mw: 259.34**SYN:** RO 5-1226**TOXICITY DATA with REFERENCE:**

orl-rat LD50:89 mg/kg 27ZQAG -,296,72

ipr-rat LD50:94 mg/kg 27ZQAG -,296,72

ipr-mus LD50:150 mg/kg 27ZQAG -,296,72

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

MNP350 CAS: 68358-79-2 HR: 2
N'-4-(4-METHYLPHENETHYLOXY)PHENYL-N-METHOXY-N-METHYLUREAmf: C₁₈H₂₂N₂O₃ mw: 314.42

SYNS: S-3552 □ UREA, N-METHOXY-N-METHYL-N'-(4-(2-(4-METHYLPHENYL)ETHOXY)PHENYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:1340 mg/kg NNGADV 10,211,85

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

MNP400 CAS: 2598-76-7 HR: 2
1-(α-METHYLPHENETHYL)-2-PHENETHYL-HYDRAZINEmf: C₁₇H₂₂N₂ mw: 254.41

SYNS: HYDRAZINE, 1-(α-METHYLPHENETHYL)-2-PHENETHYL- □ WL 23

TOXICITY DATA with REFERENCE:

scu-mus TDLo:600 mg/kg (female 1-6D post):REP JOENAK 30,205,64

scu-mus LD50:526 mg/kg JOENAK 30,205,64

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

MNP450 CAS: 16018-21-6 HR: 3
1-(α-METHYLPHENETHYL)-4-PHENYLP-IP-ERAZINE DIHYDROCHLORIDEmf: C₁₉H₂₄N₂•2ClH mw: 353.37

SYN: PIPERAZINE, 1-(α-METHYLPHENETHYL)-4-PHENYL-, DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:53 mg/kg ARZNAD 18,1431,1968

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

MNP500 CAS: 2598-74-5 HR: 2
2-(p-METHYLPHENETHYL)-3-THIOSEMI-CARBAZIDEmf: C₁₀H₁₅N₃S mw: 209.34

SYNS: SEMICARBAZIDE, 2-(p-METHYLPHENETHYL)-3-THIO- □ WL 39

TOXICITY DATA with REFERENCE:

scu-mus LD50:500 mg/kg JOENAK 30,205,64

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

MNQ000 CAS: 113-45-1 HR: 3
METHYL PHENIDYL ACETATEmf: C₁₄H₁₉NO₂ mw: 233.34**PROP:** Crystals from EtOH (aq). Mp: 74–75°.

SYNS: CALOCAIN □ CENTEDEIN □ CENTREDIN □ MERIDIL □ METHYLPHENIDAN □ METHYL PHENIDATE □ METHYL α-PHENYL-α-(2-PIPERIDYL)ACETATE □ NCI-C56280 □ PHENIDYLATE □ α-PHENYL-2-PIPERIDINEACETIC ACID METHYL ESTER □ PLIMASINE □ RITALIN □ RITALINE □ RITCHER WORKS

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:200 mg/kg (10D preg):TER CAJPBD 3,2,63
 orl-cld TDLo:180 mg/kg/26W-I AJPSAO 143,1176,85
 ivn-man LDLo:445 mg/kg/34W-I:PUL HPCQA4 3,67,72
 ipr-rat LD50:430 mg/kg APTOA6 17,121,60
 orl-mus LD50:190 mg/kg JPETAB 131,115,61
 ipr-mus LD50:32 mg/kg JNPAG 17,37,86
 scu-mus LD50:218 mg/kg AIPTAK 184,34,70
 ivn-mus LD50:41 mg/kg BCPCA6 8,263,61

SAFETY PROFILE: Poison experimentally by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Moderately toxic to humans by intravenous route. Human systemic effects by intravenous route: dyspnea. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

MNQ250 CAS: 64057-75-6 HR: 3
2-METHYLPHENISOPROPYLAMINE SULFATE

mf: C₁₀H₁₃N•1/2H₂O₄S mw: 198.30

TOXICITY DATA with REFERENCE:

orl-man TDLo:1500 µg/kg:GIT JPETAB 100,298,50
 ipr-mus LD50:152 mg/kg JPETAB 100,298,50

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by ingestion: gastrointestinal tract effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MNQ500 CAS: 13993-65-2 HR: 3
10-METHYLPHENOTHIAZINE-2-ACETIC ACID

mf: C₁₅H₁₃NO₂S mw: 271.35

SYNS: ACIDE METIAZINIQUE (FRENCH) □ AMBRUNATE □ MA □ METHIAZIC ACID □ METHIAZINIC ACID □ (10-METHYL-2-PHENOTHIAZINYL)ACETIC ACID □ N-METHYL-3-PHENOTHIAZINYLACETIC ACID □ METIAZIC ACID □ METIAZINIC ACID □ RP 16,091 □ SORIDERMAL □ SORIPAL

TOXICITY DATA with REFERENCE:

orl-rat LD50:495 mg/kg NIIRDN 6,822,82
 ipr-rat LD50:365 mg/kg OYYAA2 9,429,75
 scu-rat LD50:405 mg/kg IYKEDH 8,107,77
 orl-mus LD50:800 mg/kg ARZNAD 19,1198,69
 ipr-mus LD50:350 mg/kg OYYAA2 9,429,75
 scu-mus LD50:490 mg/kg ARZNAD 19,1207,69
 ivn-mus LD50:350 mg/kg ARZNAD 19,1198,69
 orl-dog LD50:2000 mg/kg ARZNAD 19,1207,69
 orl-gpg LD50:225 mg/kg ARZNAD 19,1207,69

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. Moderately toxic by subcutaneous route. An experimental teratogen. Experimental reproductive effects. An anti-inflammatory agent. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

MNQ600 CAS: 80843-78-3 HR: 2
3-(3-METHYLPHENOXY)BENZYL 2-(4-CHLOROPHENYL)-2-METHYLPROPYL ETHER

mf: C₂₄H₂₅ClO₂ mw: 380.94

SYNS: BENZENE, 1-((2-(4-CHLOROPHENYL)-2-METHYLPROPOXY)METHYL)-3-(3-METHYLPHENOXY)- □ 1-((2-(4-CHLOROPHENYL)-2-METHYLPROPOXY)METHYL)-3-(3-METHYLPHENOXY)BENZENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:>500 mg/kg USXXAM #4570005

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

MNR100 CAS: 2598-72-3 HR: 3
1-(2-(o-METHYLPHENOXY)ETHYL)HYDRAZINE HYDROGEN SULFATE

mf: C₉H₁₄N₂O•H₂O₄S mw: 264.33

SYNS: HYDRAZINE, 1-(2-(o-METHYLPHENOXY)ETHYL)-, HYDROGEN SULFATE (1:1) □ WEG 148

TOXICITY DATA with REFERENCE:

scu-mus LD50:150 mg/kg JOENAK 30,205,64

SAFETY PROFILE: Poison by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.

MNR250 CAS: 140-39-6 HR: 2
4-METHYLPHENYL ACETATE

mf: C₉H₁₀O₂ mw: 150.19

PROP: Colorless liquid; strong floral odor. D: 1.044 @ 16°, refr index: 1.499–1.502, bp: 212–213° (decomp @ 360°), mp: 220°, vap d: 5.18, flash p: 203°F. Sol in fixed oils, propylene glycol; misc in alc and ether; insol in water, glycerin.

SYNS: ACETIC ACID-4-METHYLPHENYL ESTER □ p-ACETOXYTOLUENE □ 4-ACETOXYTOLUENE □ p-CRESOL ACETATE □ p-CRESYL ACETATE (FCC) □ FEMA No. 3073 □ 4-METHYLBENZOIC ACID METHYL ESTER □ p-METHYLPHENYL ACETATE □ NARCEOL □ PARACRESYL ACETATE □ p-TOLYL ACETATE □ p-TOLYL ETHANOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1900 mg/kg FCTXAV 12,391,74
 skn-rbt LD50:2100 mg/kg FCTXAV 12,391,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNR300 CAS: 16610-44-9 HR: 3
N-(2-METHYLPHENYL)ANTHRANILIC ACID

mf: C₁₄H₁₃NO₂ mw: 227.28

SYNS: ANTHRANILIC ACID, N-(o-TOLYL)- □ BENZOIC ACID, 2-((2-METHYLPHENYL)AMINO)- □ N-(o-METHYLPHENYL)-ANTHRANILIC ACID □ N-o-TOLYLANTHRANILIC ACID □ N-(o-TOLYL)ANTHRANILIC ACID □ N-(2-TOLYL)ANTHRANILIC ACID

TOXICITY DATA with REFERENCE:

ivn-mus LD50:94 mg/kg YKKZAJ 89,1392,1969

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

MNR500 CAS: 621-90-9 HR: 2
N-METHYL-p-(PHENYLAZO)ANILINE

mf: C₁₃H₁₃N₃ mw: 211.29

SYNS: MAB □ N-METHYL-p-AMINOAZOBENZENE □ N-METHYL-4-AMINOAZOBENZENE □ 4-(METHYLAMINO)AZOBENZENE □ p-MONOMETHYLAMINOAZOBENZENE □ 4-MONOMETHYLAMINOAZOBENZENE

TOXICITY DATA with REFERENCE:

dnd-rat-ori 200 µmol/kg CBINA8 31,1,80
 dns-rat:ivr 1 µmol/L GANNA2 72,930,81
 ori-rat TDLo:634 mg/kg/5W-I:NEO CNREA8
 39,3411,79
 ipr-rat TDLo:317 mg/kg/3W-I:CAR CNREA8 44,2540,84
 scu-rat TDLo:480 mg/kg/12W-I:ETA CNREA8
 27,1600,67
 ori-rat TD:2100 mg/kg/5W-C:CAR CRNGDP 8,577,87
 scu-mus LDLo:600 mg/kg OFAJAE 36,195,60

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by subcutaneous route. Experimental teratogenic and reproductive effects. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

MNR750 CAS: 722-23-6 HR: D

p-(3-METHYLPHENYLAZO)ANILINE

mf: C₁₃H₁₃N₃ mw: 211.29

SYN: 3'-METHYL-4-AMINOAZOBENZENE

TOXICITY DATA with REFERENCE:

mmo-sat 1 µmol/plate CRNGDP 4,1487,83
 dns-rat:ivr 10 µmol/L CNREA8 46,1654,86

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

MNS000 CAS: 10121-94-5 HR: 2

N-METHYL-4-(PHENYLAZO)-o-ANISIDINE

mf: C₁₄H₁₅N₃O mw: 241.32

SYNS: 3-METHOXYMETHYLAMINOAZOBENZENE □ 3-METHOXY-4-MONOMETHYLAMINOAZOBENZENE

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

MNS100 CAS: 84434-42-4 HR: D
2-METHYL-4-(PHENYLAZO)-1,3-BENZENEDI-AMINE

mf: C₁₃H₁₄N₄ mw: 226.31

SYNS: 1,3-BENZENEDIAMINE, 2-METHYL-4-(PHENYLAZO)-□ 2,4-DIAMINO-3-METHYL-4-(PHENYLAZO)-□ m-PHENYLENE-DIAMINE, 2-METHYL-4-(PHENYLAZO)-

TOXICITY DATA with REFERENCE:

mic-sat 10 µLg/plate MUREAV 240,227,1990
 dns-rat-ivr 500 ng/well MUREAV 240,227,1990

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

MNS250 CAS: 21075-41-2 HR: 2
5-METHYL-7-PHENYL-1:2-BENZACRIDINE

mf: C₂₄H₁₇N mw: 319.42

SYNS: 7-METHYL-9-PHENYLBENZ(c)ACRIDINE □ 3-PHENYL-10-METHYL-7:8 BENZACRIDINE (FRENCH)

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

MNS500 CAS: 7055-03-0 HR: 3
2-METHYL-N-PHENYLBENZAMIDE

mf: C₁₄H₁₃NO mw: 211.28

PROP: A solid. Mp: 125°.

SYN: BAS-3050

TOXICITY DATA with REFERENCE:

dlt-rat-ori 1350 mg/kg/90D MUREAV 46,240,77
 ori-rat LD50:6 g/kg 28ZEAL 5,144,76

ipr-mus LD50:200 mg/kg 85DPAN -,71/76

SAFETY PROFILE: Poison by intraperitoneal route. Mildly toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also AMIDES.

MNS550 CAS: 50684-32-7 HR: 3
2-(4-METHYLPHENYL)-1H-BENZ(de)ISOQUIN-OLINE-1,3(2H)-DIONE

mf: C₁₉H₁₃NO₂ mw: 287.32

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:0.17 mg/kg FRMCE8 55,319,2000

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

MNS600 CAS: 1901-26-4 HR: 1

3-METHYL-4-PHENYL-3-BUTEN-2-ONE

mf: C₁₁H₁₂O mw: 160.23

SYNS: 3-BENZYLIDENE-2-BUTANONE □ 3-BUTEN-2-ONE, 3-METHYL-4-PHENYL- □ α-METHYL-α-BENZALACETONE □ 1-METHYL-1-BENZYLIDENE-ACETONE □ 3-METHYL-4-PHENYL-3-BUTEN-2-ONE □ METHYL α-METHYLSTYRYL KETONE

TOXICITY DATA with REFERENCE:

ori-rat LD50:4100 mg/kg JACTDZ 1,96,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNT000 CAS: 103-07-1 HR: 1
2-METHYL-4-PHENYL-2-BUTYL ACETATE

mf: C₁₃H₁₈O₂ mw: 206.31

SYNS: α,α-DIMETHYLBENZENEPROPANOL ACETATE □ DIMETHYLPHENYLETHYLCARBINYL ACETATE □ (1,1-DIMETHYL-3-PHENYLPROPYL)ESTER ACETIC ACID □ 2-METHYL-4-PHENYL-2-BUTANOL ACETATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 16,637,78

ori-rat LD50:4850 mg/kg FCTXAV 16,637,78

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.

MNT075 HR: 2
METHYL PHENYLCARBINYL ACETATE

mf: C₁₀H₁₂O₂ mw: 164.20

PROP: Colorless liquid; gardenia odor. D: 1.023, refr index: 1.493–1.497, flash p: 176°F. Sol in fixed oils, glycerin; insol in water.

SYNS: FEMA No. 2684 □ α-PHENYL ETHYL ACETATE

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

MNT100 **HR: 3**
1-METHYL-3-PHENYL-5-CHLOROIMIDAZO(4,5-b)PYRIDIN-2-ONE

mf: $C_{13}H_{10}ClN_3O$ mw: 259.71

SYN: 5-CHLORO-1-METHYL-3-PHENYL-1H-IMIDAZO(4,5-b)PYRIDIN-2(3H)-ONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1750 mg/kg EJMCAS 18,501,83

par-rat LD50:210 mg/kg EJMCAS 18,501,83

orl-mus LD50:1000 mg/kg EJMCAS 18,501,83

SAFETY PROFILE: Poison by parenteral route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

MNT200 **CAS: 81862-14-8** **HR: 2**
3-METHYLPHENYL-N-(1,2,5,6-DI-o-ISOPROPYL-IDENE-3-o-GLUCOFURANOSYLSULFINYL)-N-METHYLCARBAMATE

mf: $C_{21}H_{29}NO_9S$ mw: 471.57

SYN: α -D-GLUCOFURANOSE, 1,2,5,6-BIS-o-(1-METHYLETHYL-IDENE)-, METHYL((3-METHYLPHENOXY)CARBONYL) AMIDO-SULFITE

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #4315026

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

MNT250 **CAS: 81862-08-0** **HR: 2**
3-METHYLPHENYL-N-(2,2-DIMETHYL-1,3-DIOXOLANE-5-YLMETHOXY SULFINYL)-N-METHYLCARBAMATE

mf: $C_{15}H_{21}NO_6S$ mw: 343.43

SYN: CARBAMIC ACID, (((2,2-DIMETHYL-1,3-DIOXOLAN-4-YL)METHOXY)SULFINYL)METHYL-, 3-METHYLPHENYL ESTER

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #4315026

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

MNT500 **CAS: 20240-98-6** **HR: 3**
1-(2-METHYLPHENYL)-3,3-DIMETHYL-TRIAZENE

mf: $C_9H_{13}N_3$ mw: 163.25

SYNS: 3,3-DIMETHYL-1-(o-METHYLPHENYL)TRIAZENE \square 3,3-DIMETHYL-1-(o-TOLYL)TRIAZENE \square 1-(o-METHYLPHENYL)-3,3-DIMETHYL-TRIAZEN (GERMAN) \square 1-(o-METHYLPHENYL)-3,3-DIMETHYL-TRIAZENE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:300 mg/kg;CAR,REP ZKKOBW 81,285,74

orl-rat LD50:350 mg/kg ZKKOBW 81,285,74

scu-rat LD50:500 mg/kg ZKKOBW 81,285,74

SAFETY PROFILE: Poison by ingestion. Moderately toxic by subcutaneous route. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x .

MNT600 **CAS: 2568-25-4** **HR: 2**
4-METHYL-2-PHENYL-m-DIOXOLANE
 mf: $C_{10}H_{12}O_2$ mw: 164.22
SYNS: 1,3-DIOXOLANE, 4-METHYL-2-PHENYL- \square 4-METHYL-2-PHENYL-1,3-DIOXOLANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3 g/kg FCTOD7 30,9S,1992

skn-rbt LD50:>5 g/kg FCTOD7 30,9S,1992

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNT750 **CAS: 56713-63-4** **HR: 3**
1,1'-(4-METHYL-1,3-PHENYLENE)BIS(3-(2-CHLOROETHYL)-3-NITROSOUREA)

mf: $C_{13}H_{16}Cl_2N_6O_4$ mw: 391.25

TOXICITY DATA with REFERENCE:

mrc-smc 100 μ mol/L/16H MUREAV 42,45,77

ivn-rat LD50:20 mg/kg EJCAAH 13,937,77

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. Many N-nitroso compounds are carcinogens. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- . See also N-NITROSO COMPOUNDS.

MNU000 **CAS: 4760-34-3** **HR: D**
N-METHYL-o-PHENYLENEDIAMINE

mf: $C_7H_{10}N_2$ mw: 122.19

PROP: A solid or liquid. Mp: 22°, bp: 245–248° @ 736 mm.

SYN: 2-AMINO-N-METHYLANILINE

TOXICITY DATA with REFERENCE:

mma-sat 2500 μ g/plate FCTOD7 23,695,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNU025 **CAS: 7314-08-1** **HR: D**
4-(2-(4-METHYLPHENYL)ETHENYL)BENZEN-AMINE, (E)-

mf: $C_{15}H_{15}N$ mw: 209.29

TOXICITY DATA with REFERENCE:

mic-sat 6.25 μ Lg/plate/48H MUREAV 491,195,2001

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

MNU050 **CAS: 73791-44-3** **HR: 3**
METHYL(2-PHENYLETHYL)ARSINIC ACID

mf: $C_9H_{13}AsO_2$ mw: 228.14

SYN: ARSINE OXIDE, HYDROXYMETHYLPHENETHYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#01208

OSHA PEL: TWA 0.5 mg(As)/m³

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

MNU100 **CAS: 2598-70-1** **HR: 3**

**o-METHYL-β-PHENYLETHYLHYDRAZINE
DIHYDROGEN SULFATE**mf: C₉H₁₄N₂•H₂O₄S mw: 248.33**SYNS:** HYDRAZINE, 1-(o-METHYLPHENETHYL)-, SULFATE (1:1) □ WL 31**TOXICITY DATA with REFERENCE:**

scu-mus LD50:217 mg/kg JOENAK 30,205,64

SAFETY PROFILE: Poison by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.**MNU150 CAS: 156-48-9 HR: 3
p-METHYL-β-PHENYLETHYLHYDRAZINE
DIHYDROGEN SULFATE**mf: C₉H₁₄N₂•H₂O₄S mw: 248.33**SYNS:** HYDRAZINE, 1-(p-METHYLPHENETHYL)-, SULFATE (1:1) □ HYDRAZINE, (2-(4-METHYLPHENYL)ETHYL)-, SULFATE (1:1) (9CI) □ WL 32**TOXICITY DATA with REFERENCE:**

scu-mus LD50:182 mg/kg JOENAK 30,205,64

SAFETY PROFILE: Poison by subcutaneous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.**MNU250 CAS: 13256-11-6 HR: 3
METHYL-PHENYLETHYL-NITROSAMINE**mf: C₉H₁₂N₂O mw: 164.23**SYNS:** N-METHYL-N-NITROSOPHENETHYLAMINE □ METHYL(2-PHENYLAEETHYL)NITROSAMIN (GERMAN) □ N-NITROSO-N-METHYL-2-PHENYLETHYLAMINE**TOXICITY DATA with REFERENCE:**

mma-sat 10 µg/plate MUREAV 66,1,79

orl-rat LD50:48 mg/kg ZEKBAI 69,103,67

SAFETY PROFILE: Poison by ingestion. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also NITROSAMINES.**MNU300 CAS: 61432-55-1 HR: 2
S-1-METHYL-1-PHENYLETHYL PIPERIDINE 1-CARBOTHIOATE**mf: C₁₅H₂₁NOS mw: 263.43**SYNS:** DIMEPIPERATE □ MUW 1193 □ MY 93 □ 1-PIPERIDINECARBOTHIOIC ACID, S-(1-METHYL-1-PHENYLETHYL) ESTER □ YUKAMATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:946 mg/kg JPIFAN (45),18,84

ihl-rat LC50:>1600 mg/m³/4H NNGADV 14,109,89

skn-rat LD50:>5 g/kg JPIFAN (45),18,84

ipr-rat LD50:676 mg/kg JPIFAN (45),18,84

orl-mus LD50:4519 mg/kg JPIFAN (45),18,84

ipr-mus LD50:1211 mg/kg JPIFAN (45),18,84

scu-mus LD50:>10 g/kg JPIFAN (45),18,84

skn-rbt LD50:>2 g/kg NNGADV 14,109,89

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and skin contact routes. Low toxicity by inhalation. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MNU500 CAS: 637-60-5 HR: 2****4-METHYLPHENYLHYDRAZINE HYDROCHLORIDE**mf: C₇H₁₀N₂•ClH mw: 158.65**TOXICITY DATA with REFERENCE:**

mmo-sat 800 µg/plate NEZAAQ 33,474,78

mma-sat 800 µg/plate NEZAAQ 33,474,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**MNU600 CAS: 61001-08-9 HR: D
3-METHYL-2-PHENYLIMIDAZO(2,1-A)ISOQUINOLINE**mf: C₁₈H₁₄N₂ mw: 258.34**SYN:** IMIDAZO(2,1-A)ISOQUINOLINE, 3-METHYL-2-PHENYL-**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x.**MNU750 CAS: 74764-93-5 HR: 2
N'-(5-METHYL-3-PHENYL-1-INDOLYL)-N,N,N'-TRIMETHYLETHYLENEDIAMINE
HYDROCHLORIDE**mf: C₂₀H₂₅N₃•ClH mw: 343.65**SYN:** N,N,N'-TRIMETHYL-N'-(5-METHYL-3-PHENYL-1H-INDOL-1-YL)-1,2-ETHANEDIAMINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2000 mg/kg ARZNAD 30,919,80

orl-mus LD50:1750 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.**MNV000 CAS: 1136-45-4 HR: 3
5-METHYL-3-PHENYLISOXAZOLE-4-CARBOXYLIC ACID**mf: C₁₁H₉NO₃ mw: 203.21**PROP:** Needles. Mp: 191–193°.**SYN:** 3-PHENYL-5-METHYLISOXAZOL-4-CARBONSAEURE (GERMAN)**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:1500 mg/kg ARZNAD 12,781,62

ivn-mus LD50:300 mg/kg ARZNAD 15,322,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**MNV250 CAS: 1173-88-2 HR: 3
5-METHYL-3-PHENYL-4-ISOXAZOLYL
PENICILLIN, SODIUM**mf: C₁₉H₁₈N₃O₅S•Na mw: 423.45**SYNS:** BACTOCILL □ BRISTOPHEN □ BRL 1400 □ CRYPTOCILLIN □ MICROPENIN □ OXABEL □ OXACILLIN SODIUM SALT □ P 12 □ PENICILLIN P-12 □ PENSTAPHOCID □ PROSTAPHILIN □ RESISTOPHEN □ SODIUM OXACILLIN □ SQ 16423 □ STAPENOR □ STAPHICILLIN V □ V-CILLIN K

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:4560 mg/kg/11W-I:LIV,MSK RMMJAK
62,34,65

ivn-hmn TDLo:1200 mg/kg/7D:LIV AIMDAP
138,915,78

scu-rat LD50:3900 µg/kg NIIRDN 6,147,82

ivn-rat LD50:2150 µg/kg NIIRDN 6,147,82

scu-mus LD50:2600 µg/kg NIIRDN 6,147,82

ivn-mus LD50:1399 mg/kg FATOAO 31,232,68

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Human systemic effects by ingestion and intravenous routes: blood effects, liver function impaired and other liver changes. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

MNV500 CAS: 58139-35-8 HR: D
3-METHYLPHENYL-N-METHYL-N-NITROSO-CARBAMATE

mf: C₉H₁₀N₂O₃ mw: 194.21

SYNS: CARBAMIC ACID, METHYLNITROSO-, 3-METHYL-PHENYL ESTER (9CI) □ CARBAMIC ACID, METHYLNITROSO-, m-TOLYL ESTER □ 3-METHYLPHENYL METHYLNITROSO-CARBAMATE □ 3-METHYLPHENYL N-NITROSO-N-METHYLCARBAMATE □ NITROSO-MTMC □ 3-TOLYL N-METHYLCARBAMATE, nitrosated □ TSUMACIDE, nitrosated

TOXICITY DATA with REFERENCE:

mno-esc 1 µg/plate MUREAV 54,283,78

cyt-ham:lng 5800 µg/L GMCRCDC 27,95,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MNV600 CAS: 81862-06-8 HR: 2
3-METHYLPHENYLMETHYL(((2-PHENYL-1,3-DIOXAN-5-YL)METHOXY)SULFINYL)-CARBAMATE

mf: C₂₀H₂₃NO₆S mw: 405.50

SYNS: CARBAMIC ACID, METHYL(((2-PHENYL-1,3-DIOXAN-5-YL)METHOXY)SULFINYL)-, 3-METHYLPHENYL ESTER □ 3-METHYLPHENYL-N-(2-PHENYL-1,3-DIOXAN-5-YL)METHOXY-SULFINYL)-N-METHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:>1 g/kg USXXAM #4315026

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

MNV750 CAS: 1707-14-8 HR: 3
3-METHYL-2-PHENYLMORPHOLINE HYDROCHLORIDE

mf: C₁₁H₁₅NO•ClH mw: 213.73

PROP: Crystals from EtOH/Et₂O. Mp: 180–181°.

SYNS: A 66 HYDROCHLORIDE □ MARSIN □ 3-METHYL-2-PHENYLTETRAHYDRO-2H-1,4-OXAZINE HYDROCHLORIDE □ NEO-ZINE □ PHENMETRAZINE HYDROCHLORIDE □ 2-PHENYL-3-METHYLTETRAHYDRO-1,4-OXAZINE HYDROCHLORIDE □ PRELUDIN HYDROCHLORIDE □ PROBESE-P HYDROCHLORIDE □ PSYCHAMINE A 66 HYDROCHLORIDE □ USAF GE-1

TOXICITY DATA with REFERENCE:

orl-rat LD50:165 mg/kg ARZNAD 13,711,63

ipr-rat LD50:175 mg/kg TXAPA9 2,589,60

scu-rat LD50:350 mg/kg TXAPA9 2,589,60

orl-mus LD50:165 mg/kg ARZNAD 13,711,63

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

scu-mus LD50:240 mg/kg APSXAS 4,37,67

ivn-mus LD50:71 mg/kg TXAPA9 2,589,60

ivn-rbt LD50:41 mg/kg 27ZQAG -,286,72

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Human reproductive effects. Human teratogenic effects by ingestion: developmental abnormalities of the respiratory and gastrointestinal systems, and effects on newborn including neonatal measures or effects. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

MNV760 CAS: 58955-85-4 HR: 2
2-METHYL-4-PHENYL-6H-1,3,5-OXATHIAZINE

mf: C₁₀H₁₁NOS mw: 193.28

SYNS: DIRI 2538 □ 6H-1,3,5-OXATHIAZINE, 2-METHYL-4-PHENYL- □ 4-PHENYL-2-METHYL-6H-1,3,5-OXATHIAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:655 mg/kg USXXAM #4035496

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

MNV765 CAS: 58955-82-1 HR: 2
4-(4-METHYLPHENYL)-6H-1,3,5-OXATHIAZINE

mf: C₁₀H₁₁NOS mw: 193.28

SYNS: DIRI 2656 □ 6H-1,3,5-OXATHIAZINE, 4-(4-METHYLPHENYL)- □ 4-(p-TOLYL)-6H-1,3,5-OXATHIAZINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>1 g/kg USXXAM #4035496

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

MNV770 CAS: 3586-14-9 HR: 2
3-METHYLPHENYL PHENYL ETHER

mf: C₁₃H₁₂O mw: 184.25

SYNS: BENZENE, 1-METHYL-3-PHENOXY- □ ETHER, PHENYL m-TOLYL- □ 3-METHYLDIPHENYL ETHER □ 1-METHYL-3-PHENOXYBENZENE □ m-METHYLPHENYL PHENYL ETHER □ m-PHENOXYTOLUENE □ 3-PHENOXYTOLUENE □ PHENYL m-TOLYL ETHER

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate CHYCDW 21,240,87

orl-mus LD50:2509 mg/kg CHYCDW 21,240,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MNV800 CAS: 707-61-9 HR: 2
3-METHYL-1-PHENYL-2-PHOSPHOLENE 1-OXIDE

mf: C₁₁H₁₃OP mw: 192.21

SYN: 2-PHOSPHOLENE, 3-METHYL-1-PHENYL-, 1-OXIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:840 mg/kg DANKAS 160,826,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of PO_x.**MNW100 CAS: 52670-78-7 HR: 3
METHYLPHENYLPHOSPHORAMIDIC ACID
DIETHYL ESTER**mf: C₁₁H₁₈NO₃P mw: 243.27**PROP:** A liquid. D: 1.12 @ 20°/4°, bp: 91–92° @ 1 mm.**TOXICITY DATA with REFERENCE:**

orl-rat LD50: 41 mg/kg JACTDZ 3(2),162,84

ihl-rat LCLo: 11,600 mg/m³/15M JACTDZ 3(2),162,84

skn-rbt LD50: 840 mg/kg JACTDZ 3(2),162,84

ocu-rbt LDLo: 50 mg/kg JACTDZ 3(2),162,84

SAFETY PROFILE: Poison by ingestion and ocular routes. Moderately toxic by skin contact. Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of NO_x and PO_x. See also ESTERS.**MNW150 CAS: 3074-43-9 HR: 3
1-METHYL-4-PHENYLPIPERAZINE**mf: C₁₁H₁₆N₂ mw: 176.29**SYN:** A 1390**TOXICITY DATA with REFERENCE:**

orl-mus LD50:420 mg/kg JPETAB 110,157,54

ipr-mus LD50:140 mg/kg JPETAB 110,157,54

ivn-mus LD50:36 mg/kg JPETAB 110,157,54

ipr-dog LDLo:125 mg/kg JPETAB 110,157,54

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**MNW200 CAS: 124824-14-2 HR: 3
9-METHYL-2-(3-(4-PHENYL-1-PIPERAZINYL-
PROPYL))-1,2,3,4-TETRAHYDRO-β-
CARBOLIN-1-ONE 2HCL**mf: C₂₅H₃₀N₄O•2ClH mw: 475.51**SYNS:** B 193 □ 1H-PYRIDO(3,4-B)INDOL-1-ONE, 2,3,4,9-TETRAHYDRO-9-METHYL-2-(3-(4-PHENYL-1-PIPERAZINYL)-PROPYL)-,**TOXICITY DATA with REFERENCE:**

orl-rat LD50:650 mg/kg PJPAE3 47,305,1995

ipr-rat LD50:227 mg/kg PJPAE3 47,305,1995

orl-mus LD50:730 mg/kg PJPAE3 47,305,1995

ipr-mus LD50:90 mg/kg PJPAE3 47,305,1995

SAFETY PROFILE: A poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x, HCl, and Cl₂.**MNW775 HR: 3
1-METHYL-4-PHENYL-4-PROPIONOXYPIPERID-
INE HYDROCHLORIDE**mf: C₁₅H₂₁NO₂•ClH mw: 283.83**SYN:** 1-METHYL-4-PHENYL-4-PIPERIDINOL PROPIONATE (ESTER) HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:78 mg/kg AITEAT 15,290,67

ipr-mus LD50:46 mg/kg AITEAT 15,290,67

scu-mus LD50:50 mg/kg AITEAT 15,290,67

ivn-mus LD50:22 mg/kg AITEAT 15,290,67

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**MNW780 CAS: 4956-14-3 HR: 3
1-METHYL-4-PHENYL-4-PROPIONOXYPIPERID-
INE N-OXIDE HYDROCHLORIDE**mf: C₁₅H₂₁NO₃•ClH mw: 299.83**SYN:** 1-METHYL-4-PHENYL-4-PIPERIDINOL PROPIONATE (ester) 1-OXIDE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:625 mg/kg AITEAT 15,290,67

ipr-mus LD50:550 mg/kg AITEAT 15,290,67

scu-mus LD50:600 mg/kg AITEAT 15,290,67

ivn-mus LD50:350 mg/kg AITEAT 15,290,67

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x and HCl.**MNW790 CAS: 315706-79-7 HR: 3
3-(4-METHYLPHENYL)-N-(4-PROPYLCYCLO-
HEXYL)-2-PROPENAMIDE**mf: C₁₉H₂₇NO mw: 285.43**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:21.4 mg/kg FRMCE8 55,439,2000

orl-rat TDLo:100 mg/kg FRMCE8 55,439,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**MNX000 CAS: 1944-83-8 HR: 1
2-METHYL-1-PHENYL-2-PROPYL HYDRO-
PEROXIDE**mf: C₁₀H₁₄O₂ mw: 164.18**SYN:** 2-PHENYL-1,1-DIMETHYLETHYLHYDROPEROXIDE**SAFETY PROFILE:** An irritant to the eyes, skin and mucous membranes. A powerful oxidant. Preparative hazard. When heated to decomposition it emits acrid smoke and irritating fumes. See also PEROXIDES.**MNX250 HR: 3
N-METHYL-N-(1-PHENYL-2-PROPYL)-2-
(PYRROLIDINYL)ACETAMIDE
HYDROCHLORIDE**mf: C₁₆H₂₄N₂O•ClH mw: 296.88**SYN:** C 2094**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:220 mg/kg ARZNAD 9,113,59

scu-mus LD50:562 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MNX260 HR: 3
N-METHYL-N-(3-PHENYLPROPYL)-2-(PYRRO-
LIDINYL)ACETAMIDE HYDROCHLORIDE**mf: C₁₆H₂₄N₂O•ClH mw: 296.88

SYN: C 661

TOXICITY DATA with REFERENCE:

eye-rbt 2% MLD ARZNAD 9,113,59

ipr-rat LD50:115 mg/kg ARZNAD 9,113,59

scu-mus LD50:510 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

MNX850 CAS: 20921-41-9 HR: 2
**1-METHYL-1-PHENYL-2-PROPYNYL CYCLO-
 HEXANECARBAMATE**

mf: C₁₇H₂₁NO₂ mw: 271.39

SYNS: CYCLOHEXANECARBAMIC ACID, 1-METHYL-1-PHENYL-2-PROPYNYL ESTER □ 1-METHYL-1-PHENYL-2-PROPYNYL-N-CYCLOHEXYLCARBAMATE

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

MNX300 CAS: 302542-40-1 HR: 3
**N-(2-METHYLPHENYL)-1H-PYRAZOLE-1-
 ACETAMIDE**

mf: C₁₂H₁₃N₃O mw: 215.25**TOXICITY DATA with REFERENCE:**

orl-mus LD50:593 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:60 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:60 mg/kg FRMCE8 55,362,2000

SAFETY PROFILE: A poison by subcutaneous and ocular routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

MNX310 CAS: 302542-49-0 HR: 3
**N-(3-METHYLPHENYL)-1H-PYRAZOLE-1-
 ACETAMIDE**

mf: C₁₂H₁₃N₃O mw: 215.25**TOXICITY DATA with REFERENCE:**

orl-mus LD50:589 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:60 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:60 mg/kg FRMCE8 55,362,2000

SAFETY PROFILE: A poison by scus and ocular routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

MNX320 CAS: 302542-57-0 HR: 3
**N-(4-METHYLPHENYL)-1H-PYRAZOLE-1-
 ACETAMIDE**

mf: C₁₂H₁₃N₃O mw: 215.25**TOXICITY DATA with REFERENCE:**

orl-mus LD50:602 mg/kg FRMCE8 55,362,2000

scu-mus TDLo:60 mg/kg FRMCE8 55,362,2000

ocu-rbt TDLo:60 mg/kg FRMCE8 55,362,2000

SAFETY PROFILE: A poison by subcutaneous and ocular routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.

MNX420 CAS: 296269-53-9 HR: 3
**α-(5-METHYL-1-PHENYL-1H-PYRAZOL-4-YL)-1-
 PIPERIDINEBUTANOL**

mf: C₁₉H₂₇N₃O mw: 313.44**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.

MNX900 CAS: 39794-99-5 HR: 3
1-METHYL-4-PHENYLPYRIDINIUM CHLORIDE

mf: C₁₂H₁₂N⁺Cl mw: 205.70

SYNS: GCP-1634 □ PYRIDINIUM, 1-METHYL-4-PHENYL-, CHLORIDE □ S 21634

TOXICITY DATA with REFERENCE:

orl-rat LD50:35 mg/kg 85AREA 2,112,77

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

MNY750 CAS: 57962-60-4 HR: 3
**5-METHYL-1-PHENYL-2-(PYRROLIDINYL)-
 IMIDAZOLE**

mf: C₁₄H₁₇N₃ mw: 227.34

SYN: METHYL-5 PHENYL-1 (PYRROLIDINYL-1)-2 IMIDAZOLE (FRENCH)

TOXICITY DATA with REFERENCE:

orl-mus LD50:92,120 µg/kg EJMCA5 13,469,78

ipr-mus LD50:36,690 µg/kg EJMCA5 13,469,78

ivn-mus LD50:6870 µg/kg EJMCA5 13,469,78

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

MNY800 CAS: 13219-97-1 HR: 3
**1-(2-METHYL-5-PHENYL-1H-PYRROL-3-YL)-
 ETHANONE**

mf: C₁₃H₁₃NO mw: 199.27

SYNS: ETHANONE, 1-(2-METHYL-5-PHENYL-1H-PYRROL-3-YL)- □ KETONE, (2-METHYL-5-PHENYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MNZ000 CAS: 86-34-0 HR: 2
N-METHYL-2-PHENYL-SUCCINIMIDE

mf: C₁₁H₁₁NO₂ mw: 189.23

SYNS: EPIMID □ FENOSUCCIMIDE □ LIFENE □ 1-METHYL-3-PHENYLPYRROLIDIN-2,5-DIONE □ 1-METHYL-3-PHENYL-2,5-PYRROLIDINEDIONE □ METHYLPHENYLSUCCINIMIDE □ N-METHYL-α-PHENYLSUCCINIMIDE □ MILONTIN □ MIROTIN □ PHENOSUCCIMIDE □ PHENYLSUXIMIDE □ PM 334 □ SUCCITIMAL

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 100 µg/L AJOGAH 116,867,73

orl-mus LD50:700 mg/kg ARZNAD 23,377,73

ipr-mus LD50:402 mg/kg EJMCA5 13,465,78

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Human mutation data reported. An anticonvulsant. When heated to decomposition it emits toxic fumes of NO_x.

MOA000 CAS: 52968-02-2 HR: D
1-METHYL-3-(4-PHENYL-2-THIAZOLYL)UREAmf: $C_{11}H_{11}N_3OS$ mw: 233.31**SYNS:** N-METHYL-N'-(4'-PHENYL-THIAZOLYL(2'))-HARNSTOFF (GERMAN) □ N-METHYL-N'-(4'-PHENYL-THIAZOLYL(2'))-UREA □ N-METHYL-N'-(4-PHENYL-2-THIAZOLYL)UREA**TOXICITY DATA with REFERENCE:**

cyt-rat-ipr 200 mg/kg/24H ARZNAD 25,1716,75

hma-mus/srm 30 mg/kg ARZNAD 25,1716,75

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 .**MOA250 CAS: 73840-42-3 HR: 3**
1-METHYL-4-(PHENYLTHIO)PYRIDINIUM IODIDEmf: $C_{12}H_{12}NS\cdot I$ mw: 329.21**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:57 mg/kg PHARAT 33,120,78

ivn-mus LD50:56,200 μ g/kg CSLNX* NX#02330**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x , SO_x , and I^- . See also IODIDES.**MOA500 CAS: 2724-69-8 HR: 3**
N-METHYL-N'-PHENYL THIOUREAmf: $C_8H_{10}N_2S$ mw: 166.26**PROP:** Needles or powder. Mp: 113°.**SYN:** NITROSOMETHYL UREA**TOXICITY DATA with REFERENCE:**

dlt-mus-ipr 50 mg/kg MGGEAE 117,197,72

orl-rat LDLo:50 mg/kg JPETAB 93,287,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x .**MOA600 CAS: 2156-27-6 HR: 2**
1-(1-METHYL-2-((α -PHENYL-o-TOLYL)OXY)-ETHYL)PIPERIDINEmf: $C_{21}H_{27}NO$ mw: 309.49**PROP:** Bp: 164–167° @ 0.25 mm.**SYNS:** 1-(2-(2-BENZILFENOSS)-1-METILETIL)-PIPERIDINA □ BLASCORID □ PIPERIDINE, 1-(1-METHYL-2-(2-(PHENYL-METHYL)PHENOXY)ETHYL)-(9CI) □ PIPERIDINE, 1-(1-METHYL-2-((α -PHENYL-o-TOLYL)OXY)ETHYL)- □ PIREXYL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1087 mg/kg BCFAAI 109,476,70

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x .**MOA725 CAS: 16033-21-9 HR: 3**
3-METHYL-1-PHENYLTRIAZENEmf: $C_7H_9N_3$ mw: 135.19**SYNS:** 1-PHENYL-3-METHYLTRIAZINE □ 1-PHENYL-3-MONOMETHYLTRIAZENE □ PMT**TOXICITY DATA with REFERENCE:**mmo-sat 100 μ mol/L CNREA8 42,1446,82

mma-sat 1 mmol/L CNREA8 42,1446,82

mmo-nsc 600 μ mol/L MUREAV 13,276,71

dnd-ofs-sal:spr 250 g/L BCPCA6 19,1505,70

orl-rat LD50:420 mg/kg NEOLA4 25,153,78

scu-mus LDLo:45 mg/kg CNREA8 34,1671,74

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MOA750 CAS: 31185-58-7 HR: 3**
4-METHYL-5-PHENYL-2-TRIFLUOROMETHOXY-AZOLIDINEmf: $C_{11}H_{12}F_3NO$ mw: 231.24**SYN:** 2-(METHOXY(METHYLTHIO)PHOSPHINYLMINO)-3-ETHYL-5-METHYL-1,3-OXAZOLIDINE**TOXICITY DATA with REFERENCE:**orl-rat LDLo:120 μ g/kg RREVAH 53,19,74

orl-mus LD50:800 mg/kg JMCMA 13,1212,70

ipr-mus LD50:600 mg/kg JMCMA 13,1212,70

SAFETY PROFILE: A deadly poison by ingestion. Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of F^- and NO_x . See also FLUORIDES.**MOB000 CAS: 593-54-4 HR: 3**
METHYL PHOSPHINEmf: CH_3P mw: 48.02**PROP:** Colorless gas. Bp: -14°. Almost insol in water.**SAFETY PROFILE:** A poison. Ignites spontaneously in air. Dangerous fire hazard when exposed to heat or flame. Incompatible with primary lower alkylphosphones. Can react vigorously with oxidizing materials. When heated to decomposition it emits toxic fumes of PO_x and phosphine. See also PHOSPHINE.**MOB250 CAS: 18466-11-0 HR: 3**
METHYLPHOSPHODITHIOIC ACID-S-(((p-CHLOROPHENYL)THIO)METHYL)-O-METHYL ESTERmf: $C_9H_{12}ClOPS_2$ mw: 266.75**SYNS:** ENT 27,180 □ N 4548 □ STAUFFER N-4548**TOXICITY DATA with REFERENCE:**

orl-rat LD50:31 mg/kg ARSIM* 20,22,66

orl-gpg LDLo:50 mg/kg JEENAI 61(5),1261,68

scu-gpg LDLo:100 mg/kg JEENAI 61(5),1261,68

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of Cl^- , PO_x , and SO_x .**MOB275 CAS: 71840-26-1 HR: 3**
METHYLPHOSPHONIC ACID, (2-(BIS(1-METHYLETHYL)AMINO)ETHYL) ETHYL ESTERmf: $C_{11}H_{26}NO_3P$ mw: 251.35**TOXICITY DATA with REFERENCE:**

skn-rbt 1 g/15M MOD IAEC** 17JUN74
 eye-rbt 200 mg/15M MLD IAEC** 17JUN74
 ivn-mus LD50:204 mg/kg IAEC** 17JUN74
 ivn-rbt LD50:164 mg/kg IAEC** 17JUN74

SAFETY PROFILE: Poison by intravenous route. An eye and skin irritant. When heated to decomposition it emits toxic fumes of PO_x and NO_x . See also ESTERS.

MOB399 CAS: 676-97-1 HR: 3
METHYL PHOSPHONIC DICHLORIDE

DOT: NA 9206

mf: $\text{CH}_3\text{Cl}_2\text{OP}$ mw: 132.91

PROP: Low melting solid with pungent odor. Easily hydrolyzed. Mp: 32° , bp: 162° .

TOXICITY DATA with REFERENCE:

ihl-rat LC50:26 ppm/4H AIHAAP 25,470,64

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

DOT CLASSIFICATION: 6.1; Label: Poison, Corrosive

SAFETY PROFILE: Poison by inhalation. A corrosive irritant to the eyes, skin, and mucous membranes. When heated to decomposition it emits toxic fumes of Cl^- and PO_x . See also CHLORIDES.

MOB500 CAS: 18278-44-9 HR: 3
METHYLPHOSPHONODITHIOIC ACID O-

METHYL ESTER, S-ESTER with 2-MERCAPTO-N-METHYLACETAMIDE

mf: $\text{C}_5\text{H}_{12}\text{NO}_2\text{PS}_3$ mw: 245.33

SYNS: ENT 25,977 □ MONSANTO CP-19203

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 mg/kg ARSIM* 20,15,66

orl-gpg LDLo:10 mg/kg JEENAI 60(3),733,67

scu-gpg LDLo:25 mg/kg JEENAI 60(3),733,67

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

MOB599 CAS: 2703-13-1 HR: 3
METHYLPHOSPHONOTHIOIC ACID-O-ETHYL
O-(p-(METHYLTHIO)PHENYL)ESTER

mf: $\text{C}_{10}\text{H}_{15}\text{O}_2\text{PS}_2$ mw: 262.34

SYNS: BAYER 29952 □ ENT 25,612 □ METHYLPHOSPHONOTHIOIC ACID-O-ETHYL O-(4-(METHYLTHIO)-PHENYL)ESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1 mg/kg ARSIM* 20,4,66

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Deadly poison by ingestion. When heated to decomposition it emits toxic fumes of PO_x and SO_x . See also ESTERS.

MOB699 CAS: 2665-30-7 HR: 3
METHYLPHOSPHONOTHIOIC ACID-O-(4-NITROPHENYL)-O-PHENYL ESTER

mf: $\text{C}_{13}\text{H}_{12}\text{NO}_4\text{PS}$ mw: 309.29

SYNS: COLEP □ CP 40294 □ ENT 25,787 □ METHYLPHOSPHONOTHIOIC ACID-O-(p-NITROPHENYL)-O-PHENYL ESTER □ MONSANTO CP-40294 □ O-(4-NITROPHENYL) O-PHENYL-METHYL PHOSPHONOTHIOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:8 mg/kg ARSIM* 20,15,66

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

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

MOB750 CAS: 5954-90-5 HR: 3
METHYLPHOSPHONOTHIOIC ACID-O-PHENYL
ESTER, O-ESTER with p-HYDROXY-BENZONITRILE

mf: $\text{C}_{14}\text{H}_{12}\text{NO}_2\text{PS}$ mw: 289.30

SYNS: CP-40507 □ ENT 25,870 □ MONSANTO CP-40507

TOXICITY DATA with REFERENCE:

orl-rat LD50:79 mg/kg ARSIM* 20,15,66

orl-gpg LDLo:1 mg/kg JEENAI 61(5),1261,68

scu-gpg LDLo:5 mg/kg JEENAI 61(5),1261,68

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

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of SO_x , PO_x , NO_x , and CN^- . See also NITRILES.

MOC000 CAS: 676-98-2 HR: 2
METHYL PHOSPHONOTHIOIC DICHLORIDE,
pyrophoric liquid (DOT)

DOT: NA 2845

mf: $\text{CH}_3\text{Cl}_2\text{PS}$ mw: 148.97

PROP: Liquid with pungent odor. D: 1.35–1.43 @ $20^\circ/4^\circ$, bp: $177-178^\circ$.

DOT CLASSIFICATION: 6.1; Label: Poison, Spontaneously Combustible

SAFETY PROFILE: A corrosive irritant to skin, eyes, and mucous membranes. When heated to decomposition it emits very toxic fumes of Cl^- , PO_x , and SO_x . See also PHOSPHATES, CHLORIDES, and SULFIDES.

MOC250 CAS: 676-83-5 HR: 3
METHYLPHOSPHONOUS DICHLORIDE

PROP: A liquid with pungent, foul odor. D: 1.30 @ $20^\circ/4^\circ$, bp: $80-81^\circ$ @ 729 mm.

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison. A corrosive irritant to the skin, eyes, and mucous membranes. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits very toxic fumes of Cl^- and PO_x . See also HYDROCHLORIC ACID.

MOC275 CAS: 14816-16-1 HR: 2
METHYL PHOXIM

mf: $\text{C}_{10}\text{H}_{11}\text{N}_2\text{O}_3\text{PS}$ mw: 270.26

SYNS: BAY 7660 □ BAY-SRA 7660 □ BENZENEACETONITRILE, α -((DIMETHOXYPHOSPHINOTHIOYL)OXY)IMINO- □ 2,4-DIOXA-5-AZA-3-PHOPHAHEPT-5-ENE-7-NITRILE, 3-METHOXY-6-PHENYL-3-SULFIDE □ GLYOXYLONITRILE, PHENYL-, OXIME, o,o-DIMETHYL PHOSPHOROTHIOATE □ PHOXIM-METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:>2 g/kg PCBPBS 1,44,1971

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

MOC300 CAS: 550-44-7 HR: 2
N-METHYLPHTHALIMIDE

mf: C₉H₇NO₂ mw: 161.17

SYNS: 1H-ISOINDOLE-1,3(2H)-DIONE, 2-METHYL- □ PHTHALIMIDE, N-METHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD:>500 mg/kg NCNSA6 5,23,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MOC500 CAS: 19143-28-3 HR: D
METHYL-4-PHTHALIMIDO-di-GLUTARAMATE

mf: C₁₄H₁₄N₂O₅ mw: 290.30

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

MOC750 CAS: 42472-93-5 HR: 2
N-METHYL-2-PHTHALIMIDOGlutARIMIDE

mf: C₁₄H₁₂N₂O₄ mw: 272.28

TOXICITY DATA with REFERENCE:

orl-mus LD50:670 mg/kg LIFSAK 3,721,64

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

MOD000 CAS: 85-71-2 HR: 2
METHYL PHTHALYL ETHYL GLYCOLATE

mf: C₁₃H₁₄O₆ mw: 266.27

PROP: Liquid. Bp: 310°, flash p: 380°F (CC), d: 1.220, vap d: 9.16.

SYNS: ETHOXYKARBONYLMETHYL-METHYLESTER KYSELINY FTALOVE (CZECH) □ ETHYL O-(o-(METHOXY-CARBONYL)BENZOYL)GLYCOLATE □ ETHYL o-(METHOXY-CARBONYL)BENZOYLOXYACETATE □ GLYCOLIC ACID, ETHYL ESTER, METHYL PHTHALATE □ SANTICIZER M-17

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg AJOPAA 29,1363,46

SAFETY PROFILE: An eye irritant. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

MOD100 CAS: 109-07-9 HR: 2
2-METHYLPIPERAZINE

mf: C₅H₁₂N₂ mw: 100.19

SYN: PIPERAZINE, 2-METHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2030 mg/kg JACTDZ 1,58,1990

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MOD250 CAS: 109-01-3 HR: 3
N-METHYLPIPERAZINE

mf: C₅H₁₂N₂ mw: 100.19

PROP: A hygroscopic solid; typical amine-like odor. D: 0.9031 at 20°/20°, mp: 65.5°, bp: 134–136°, flash p: 108°F (OC), vap d: 3.5.

SYN: 1-METHYLPIPERAZINE

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62

skn-rbt 5 mg/24H SEV 85JCAE -,863,86

eye-rbt 100 mg SEV 34ZIAG -,689,69

orl-rat LD50:2830 mg/kg AIHAAP 23,95,62

orl-mus LD50:1450 mg/kg TPKVAL 15,116,79

ihl-mus LC50:2740 mg/m³/2H TPKVAL 11,123,69

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

skn-rbt LD50:1490 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by inhalation, ingestion, and skin contact. A severe skin and eye irritant. Flammable liquid 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.

MOD500 CAS: 23491-45-4 HR: 3
p-(5-(5-(4-METHYL-1-PIPERAZINYL)-2-BENZIMIDAZOLYL)-2-BENZIMIDAZOLYL)-PHENOL TRIHYDROCHLORIDE

mf: C₂₅H₂₄N₆O•3ClH mw: 533.93

PROP: A solid. Mp: 280° (decomp).

SYNS: BISBENZIMIDAZOLE □ HOE 33258 □ 33258 HOECHST □ HOECHST DYE 33258 □ 4-(5-(4-METHYL-1-PIPERAZINYL)(2,5'-BI-1H-BENZIMIDAZOL)-2'-YL)-PHENOL TRIHYDROCHLORIDE □ NSC-322921

TOXICITY DATA with REFERENCE:

mno-sat 100 µmol/L AMACQ 9,77,76

dnd-esc 10 mg/L MUREAV 89,95,81

sce-ham:lng 15 µmol/L HERAY 96,295,82

sce-ham:ovr 10 µmol/L NATUAS 258,121,75

ivn-rat LD50:32,200 µg/kg NTIS** PB84-171206

ivn-mus LD50:36,900 µg/kg NTIS** PB84-171206

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

MOD750 CAS: 74203-59-1 HR: 3
4-(4-METHYL-1-PIPERAZINYLCARBONYL)-1-PHENYL-2-PYRROLIDINONE HYDROCHLORIDE

mf: C₁₆H₂₁N₃O₂•ClH mw: 323.86

TOXICITY DATA with REFERENCE:

ipr-mus LD50:380 mg/kg CHTPBA 7,398,72

ivn-mus LD50:300 mg/kg CHTPBA 7,398,72

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

MOE250 CAS: 60706-43-6 HR: 3
10-(2-(4-METHYL-1-PIPERAZINYL)ETHYL)-PHENOTHIAZINE

mf: C₁₉H₂₃N₃S mw: 325.51

SYNS: N-METHYL-PIPERAZINYL-N'-AETHYL-PHENOTHIAZIN (GERMAN) □ P 527

TOXICITY DATA with REFERENCE:

ipr-mus LD50:220 mg/kg ARZNAD 7,106,57

scu-mus LD50:640 mg/kg ARZNAD 7,106,57

ivn-mus LD50:135 mg/kg ARZNAD 7,106,57

ivn-rbt LD50:36 mg/kg ARZNAD 7,106,57

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

MOF750 CAS: 37724-43-9 HR: 3
4-(4-METHYL-1-PIPERAZINYL)-5,6,7,8-TETRAHYDRO-(1)-BENZOTHIENO(2,3-d)PYRIMIDINE HYDROCHLORIDE

mf: C₁₅H₂₀N₄S•ClH mw: 324.91

SYN: QM-1143

TOXICITY DATA with REFERENCE:

orl-mus LD50:160 mg/kg CHTPBA 7,224,72

ipr-mus LD50:67 mg/kg CHTPBA 7,224,72

ivn-mus LD50:29 mg/kg CHTPBA 7,224,72

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

MOG000 CAS: 37724-47-3 HR: 3
4-(4-METHYL-1-PIPERAZINYL)THIENO(2,3-d)PYRIMIDINE HYDROCHLORIDE

mf: C₁₁H₁₄N₄S•ClH mw: 270.81

SYN: QM-1149

TOXICITY DATA with REFERENCE:

ipr-mus LD50:58 mg/kg CHTPBA 7,224,72

ivn-mus LD50:24 mg/kg CHTPBA 7,224,72

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

MOG250 CAS: 70301-64-3 HR: 3
2-(4-METHYL-1-PIPERAZINYL)-11-(p-TOLYL)-10,11-DIHYDROPYRIDAZINO(3,4-b)(1,4)BENZOXAZEPINE

mf: C₂₈H₂₅N₅O mw: 447.58

TOXICITY DATA with REFERENCE:

scu-rat LD50:255 mg/kg PCJOAU 13,256,79

scu-mus LD50:255 mg/kg PCJOAU 13,256,79

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

MOG500 CAS: 626-67-5 HR: 3
N-METHYLPIPERIDINE

DOT: UN 2399

mf: C₆H₁₃N mw: 99.20

PROP: A liquid. D: 0.820 @ 20°/4°, bp: 107°, flash p: <73.4°F.

SYN: 1-METHYLPIPERIDINE (DOT)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:400 mg/kg BEXBAN 86,1325,78

scu-rbt LDLo:400 mg/kg BDCGAS 34,2408,01

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x.

MOG750 CAS: 109-05-7 HR: 3
2-METHYLPIPERIDINE

mf: C₆H₁₃N mw: 99.20

PROP: Liquid. D: 0.862 @ 0°, bp: 118–119° @ 753 mm, flash p: 50°F. Sol in water; insol in aqueous KOH.

SYN: α-PIPECOLIN

TOXICITY DATA with REFERENCE:

scu-rbt LDLo:300 mg/kg BDCGAS 34,2408,01

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous route. A very dangerous fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO_x.

MOH000 CAS: 626-56-2 HR: 3
3-METHYLPIPERIDINE

mf: C₆H₁₃N mw: 99.18

PROP: Flash p: 36.4°F.

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

MOH250 CAS: 626-58-4 HR: 3
4-METHYLPIPERIDINE

mf: C₆H₁₃N mw: 99.18

PROP: A liquid which fumes in the air. Flash p: 48.2°F, d: 0.867 @ 0°, bp: 132–134°.

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

MOH290 CAS: 101831-65-6 HR: 3
2-METHYLPIPERIDINE β-NAPHTHOAMIDE

mf: C₁₇H₁₈NO mw: 252.36

SYN: KETONE, 2-METHYLPIPERIDINO 2-NAPHTHYL

TOXICITY DATA with REFERENCE:

ivn-mus LD50:79 mg/kg CSLNX* NX#12293

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.

MOH310 CAS: 40576-23-6 HR: 3**1-METHYL-3-(PIPERIDINOCARBONYL)-PIPERIDINE**mf: C₁₂H₂₂N₂O mw: 210.36**SYNS:** KETONE, 1-METHYL-3-PIPERIDYL PIPERIDINO □ 1-METHYL-3-PIPERIDYL PIPERIDINO KETONE □ PIPERIDINE, 1-((1-METHYL-3-PIPERIDINYL)CARBONYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:680 mg/kg CPBTAL 21,1,73

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**MOI250 CAS: 78219-35-9 HR: 3****β-4-METHYLPYPERIDINOETHYL BENZOATE HYDROCHLORIDE**mf: C₁₅H₂₁NO₂•ClH mw: 283.83**SYN:** BENZOIC ACID-2-(4-METHYLPYPERIDINO)ETHYL ESTER HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:1400 mg/kg JACSAT 52,1633,30

ivn-mus LDLo:43 mg/kg JACSAT 52,1633,30

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**MOI500 CAS: 65210-33-5 HR: 3****2-METHYL-2-(2-PIPERIDINOETHYL)-1,3-BENZODIOXOLE HYDROCHLORIDE**mf: C₁₅H₂₁NO₂•ClH mw: 283.83**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:40 mg/kg EJMCA5 12,413,77

ipr-mus LD50:150 mg/kg EJMCA5 12,413,77

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MOJ500 CAS: 38589-14-9 HR: 3**
β-METHYL-4-PIPERIDINOPHENETHYLAMINE DIHYDROCHLORIDEmf: C₁₄H₂₂N₂•2ClH mw: 291.30**SYN:** 2-METHYL-2-(4-PIPERIDINOPHENYL)ETHYLAMINE DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:600 mg/kg JMCMA 22,1460,79

unr-dog LDLo:150 mg/kg JMCMA 22,1460,79

SAFETY PROFILE: Poison by an unspecified route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**MOK000 CAS: 73790-27-9 HR: 3**
METHYL-4-(3-PIPERIDINOPROPIONYLAMINO)-SALICYLATE, METHIODIDEmf: C₁₇H₂₅N₂O₄•I mw: 448.34**SYN:** 4-(3-PIPERIDINOPROPIONAMIDO) SALICYCLIC ACID METHYL ESTER, METHIODIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:54 mg/kg JMCMA 10,235,67

ivn-mus LD50:18 mg/kg JMCMA 10,235,67

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and I₂.**MOK500 CAS: 69766-22-9 HR: 3**
γ-3-METHYLPYPERIDINOPROPYL-p-AMINO-BENZOATE HYDROCHLORIDEmf: C₁₆H₂₄N₂O₂•ClH mw: 312.88**SYN:** p-AMINO BENZOIC ACID-3-(3-METHYLPYPERIDINO) PROPYL ESTER HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:30 mg/kg JACSAT 49,2835,27

scu-mus LDLo:250 mg/kg JACSAT 49,2835,27

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MOL250 CAS: 3478-94-2 HR: 2**
3-(2-METHYLPYPERIDINO)PROPYL-3,4-DICHLOROBENZOATEmf: C₁₆H₂₁Cl₂NO₂ mw: 330.28**SYNS:** γ-(2-METHYLPYPERIDINO)PROPYL-3,4-DICHLOROBENZOATE □ PIPERALIN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2500 mg/kg FMCHA2 -,D245,80

orl-gpg LD50:1560 mg/kg PCOC** -,911,66

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x. See also ESTERS.**MOL300 CAS: 98271-51-3 HR: 3**
METHYL 10-(3-PIPERIDINOPROPYL)PHENOTHIAZIN-2-YL KETONEmf: C₂₂H₂₆N₂OS mw: 366.56**SYN:** KETONE, METHYL 10-(3-PIPERIDINOPROPYL)PHENOTHIAZIN-2-YL**TOXICITY DATA with REFERENCE:**

scu-mus LD50:82 mg/kg AIPTAK 149,374,64

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by subcutaneous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MOL400 CAS: 106742-36-3 HR: 3**
METHYL 10-(3-PIPERIDINOPROPYL)-PHENOXAZIN-2-YL KETONEmf: C₂₂H₂₆N₂O₂ mw: 350.50**SYN:** KETONE, METHYL 10-(3-PIPERIDINOPROPYL)-PHENOXAZIN-2-YL**TOXICITY DATA with REFERENCE:**

scu-mus LD50:820 mg/kg AIPTAK 149,374,64

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by subcutaneous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**MOM750 CAS: 2856-75-9 HR: 3**
2-METHYL-3-PIPERIDINOPYRAZINE MONOSULFATEmf: C₁₀H₁₅N₃•H₂O₄S mw: 275.36**PROP:** A solid. Mp: 131–133°.

SYNS: 2-METHYL-3-PIPERIDINOPYRAZINE SULFATE □
MODALINE SULFATE □ W3207B

TOXICITY DATA with REFERENCE:

orl-hmn TDL₀:51 µg/kg:CNS JNDRAK 4,86,64
orl-rat LD₅₀:730 mg/kg 27ZQAG -,265,72
ipr-rat LD₅₀:190 mg/kg 27ZQAG -,265,72
orl-mus LD₅₀:780 mg/kg 27ZQAG -,265,72
ipr-mus LD₅₀:275 mg/kg 27ZQAG -,265,72
ivn-mus LD₅₀:100 mg/kg CSLNX* NX#01635

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects by ingestion: changes in motor activity. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MON000 CAS: 78219-61-1 HR: 3
1-METHYL-4-PIPERIDYL-*p*-AMINOBENZOATE HYDROCHLORIDE

mf: C₁₃H₁₈N₂O₂•ClH mw: 270.79

SYN: *p*-AMINO-BENZOIC ACID-1-METHYL-4-PIPERIDYL ESTER, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:10 mg/kg JACSAT 51,922,29
scu-mus LDLo:15 mg/kg JACSAT 51,922,29

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

MON250 CAS: 3321-80-0 HR: 3
N-METHYL-3-PIPERIDYL BENZILATE

mf: C₂₀H₂₃NO₃ mw: 325.44

SYNS: BENZILIC ACID-1-METHYL-3-PIPERIDYL ESTER □ JB 336

TOXICITY DATA with REFERENCE:

ipr-rat LD₅₀:150 mg/kg IPPABX 4,179,68
ivn-rat LD₅₀:22 mg/kg AIPTAK 120,186,59
ivn-mus LD₅₀:40 mg/kg AIPTAK 120,186,59
ivn-gpg LD₅₀:17 mg/kg AIPTAK 120,186,59

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

MON500 CAS: 40378-58-3 HR: 3
1-METHYL-4-PIPERIDYL BENZOATE HYDROCHLORIDE

mf: C₁₃H₁₇NO₂•ClH mw: 255.77

SYN: BENZOIC ACID-1-METHYL-4-PIPERIDYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:18 mg/kg JACSAT 51,922,29
scu-mus LDLo:125 mg/kg JACSAT 51,922,29

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

MON600 CAS: 22204-91-7 HR: D
1-METHYL-4-PIPERIDYL BIS(*p*-CHLORO-PHENOXY)ACETATE

mf: C₂₀H₂₁Cl₂NO₄ mw: 410.32

SYNS: ACETIC ACID, BIS(4-CHLOROPHENOXY)-, 1-METHYL-4-PIPERIDINYL ESTER □ ACETIC ACID, BIS(*p*-CHLORO-PHENOXY)-, 1-METHYL-4-PIPERIDYL ESTER □ GLYOXYLIC

ACID, 1-METHYL-4-PIPERIDYL ESTER, 2-(BIS(*p*-CHLORO-PHENYL) ACETAL) □ LIFIBRATE □ SAH-2348 □ SAH-42-348

TOXICITY DATA with REFERENCE:

dni-mus-oth 60 µmol/L CNREA8 40,36,1980

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

MON750 CAS: 5588-33-0 HR: 3
10-(2-(1-METHYL-2-PIPERIDYL)ETHYL)-2-METHYLSULFINYL PHENOTHIAZINE

mf: C₂₁H₂₆N₂OS₂ mw: 386.61

PROP: Oil.

SYNS: LIDANAR □ LIDANIL □ MESORIDAZINE □ NC 123 □ SERENTIL □ THIORIDAZIEN THIOMETHYL SULFOXIDE □ TPS23

TOXICITY DATA with REFERENCE:

orl-man TDL₀:86 mg/kg:CVS JCPYDR 2,222,82
orl-hmn LDLo:42 mg/kg ARGPAQ 34,955,77
orl-rat LD₅₀:664 mg/kg 27ZQAG -,29,72
orl-mus LD₅₀:560 mg/kg 27ZQAG -,29,72
ivn-mus LD₅₀:26 mg/kg 27ZQAG -,29,72
orl-rbt LD₅₀:7800 mg/kg 27ZQAG -,29,72

SAFETY PROFILE: Human poison by ingestion. Experimental poison by intravenous route. Human systemic effects: arrhythmias. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

MOO250 CAS: 50-52-2 HR: 3
10-(2-(1-METHYL-2-PIPERIDYL)ETHYL)-2-(METHYLTHIO)PHENOTHIAZINE

mf: C₂₁H₂₆N₂S₂ mw: 370.61

SYNS: MALLOROL □ MELERIL □ MELLARIL □ MELLERETTE □ MELLERETTEN □ MELLERIL □ 2-METHYLMERCAPTO-10-(2-N-METHYL-2-PIPERIDYL)ETHYL)PHENO-THIAZINE □ SONAPAX □ THIORIDAZIN □ THIORIDAZINE □ TP-21

TOXICITY DATA with REFERENCE:

sln-dmg-orl 100 mg/L JJEBA6 11,403,73
orl-cld TDL₀:28 mg/kg/2W-I AJPSAO 143,1176,85
orl-cld TDL₀:28 mg/kg/2W-I:BAH AJPSAO 143,1176,85
orl-wmn TDL₀:14,500 mg/kg/15Y-I:EYE CMAJAX 132,737,85
orl-hmn LDLo:43 mg/kg ARGPAQ 34,955,77
orl-chd TDL₀:25 mg/kg:CNS,CVS AJDCAI 130,507,76
orl-hmn TDL₀:24 mg/kg:ANS AACRAT 52,938,73
orl-rat LD₅₀:995 mg/kg TXAP9 18,185,71
ipr-rat LD₅₀:150 mg/kg PCJOAU 10,1001,76
scu-rat LD₅₀:640 mg/kg MDCHAG 4,199,67
orl-mus LD₅₀:385 mg/kg ARZNAD 15,841,65
ipr-mus LD₅₀:65 mg/kg JMCAR 13,23,70
scu-mus LD₅₀:310 mg/kg YKKZAJ 90,800,70

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Human poison by ingestion. Experimental poison by ingestion, subcutaneous, and intraperitoneal routes. Human systemic effects by ingestion: heart rate change, muscle contraction or spasticity, parasympatholytic, toxic psychosis, visual field and retinal changes. Human reproductive effects. Experimental reproductive effects. Mutation data reported. An antipsychotic and sedative. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MOO500 CAS: 130-61-0 HR: 3
10-(2-(1-METHYL-2-PIPERIDYL)ETHYL)-2-METHYLTHIOPHENOTHIAZINE HYDROCHLORIDE

mf: C₂₁H₂₆N₂S₂•ClH mw: 407.07

PROP: Crystals from Me₂CO. Mp: 158–160°. Sol in H₂O.

SYNS: MELLARIL HYDROCHLORIDE □ 2-METHYLMER-CAPTO-10-(2-(N-METHYL-2-PIPERIDYL))ETHYLPHENO-THIAZINE HYDROCHLORIDE □ THIORIDAZINE HYDROCHLORIDE □ THIORIDAZIN □ TP-21 □ USAF SZ-3 □ USAF SZ-B

TOXICITY DATA with REFERENCE:

dlt-mus-orl 1200 mg/kg/30D IJEB A6 11,403,73
 orl-wmn TDLo:864 mg/kg/18D-I:CVS,SYS PGMJAO 60,445,84
 orl-rat LD50:1060 mg/kg NIIRDN 6,458,82
 ivn-rat LD50:71 mg/kg 27ZQAG -,53,72
 orl-mus LD50:360 mg/kg 27ZQAG -,53,72
 ipr-mus LD50:100 mg/kg NTIS** AD277-689
 ivn-mus LD50:51 mg/kg 27ZQAG -,53,72
 orl-dog LD50:160 mg/kg 27ZQAG -,53,72
 orl-rbt LD50:1100 mg/kg 27ZQAG -,53,72
 ivn-rbt LD50:26 mg/kg 27ZQAG -,53,72

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion and intravenous routes. Human systemic effects: evidence of thyroid hyperfunction, increased body temperature, pulse rate increase. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and HCl.

MOO750 CAS: 314-03-4 HR: 3
9-(1-METHYL-4-PIPERIDYLIDENE)THIOX-ANTHENE

mf: C₁₉H₁₉NS mw: 293.45

PROP: Crystals from hexane. Mp: 120–122°.

SYNS: BP 400 □ CALMIXENE

TOXICITY DATA with REFERENCE:

orl-rat LD50:550 mg/kg 27ZQAG -,62,72
 ivn-rat LD50:13 mg/kg 27ZQAG -,62,72
 orl-mus LD50:400 mg/kg 27ZQAG -,62,72
 ivn-mus LD50:23 mg/kg 27ZQAG -,62,72
 orl-rbt LD50:460 mg/kg 27ZQAG -,62,72
 ivn-rbt LD50:18 mg/kg 27ZQAG -,62,72

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

MOP000 CAS: 4354-45-4 HR: 3
9-(N-METHYL-PIPERIDYLIDEN-4)THIOXANE MALEATE

mf: C₁₉H₁₉NS•C₄H₄O₄ mw: 409.53

SYNS: BP-400 □ 9-(4'-(N-METHYLPIPERIDYLENE))THIOXANTHENE MALEATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:850 mg/kg ANAEA3 21,233,63
 ivn-rat LD50:13 mg/kg ANAEA3 21,233,63
 orl-mus LD50:310 mg/kg ANAEA3 21,233,63
 ivn-mus LD50:22.5 mg/kg ANAEA3 21,233,63
 ivn-rbt LD50:18 mg/kg ANAEA3 21,233,63

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

MOP500 CAS: 60706-49-2 HR: 3
9-(METHYL-2-PIPERIDYL)METHYLCARBAZOLE

mf: C₁₉H₂₂N₂ mw: 278.43

SYN: 9-(1-METHYL-PIPERIDYL-(2)-METHYL)-CARBAZOL (GERMAN)

TOXICITY DATA with REFERENCE:

ivn-rat LD50:30 mg/kg ARZNAD 9,219,59
 orl-mus LD50:780 mg/kg ARZNAD 9,219,59
 ipr-mus LD50:125 mg/kg ARZNAD 9,219,59
 scu-mus LD50:1250 mg/kg ARZNAD 9,219,59
 ivn-mus LD50:50 mg/kg ARZNAD 9,219,59
 ivn-rbt LDLo:12,500 µg/kg ARZNAD 9,219,59

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.

MOQ000 CAS: 60706-52-7 HR: 3
1-(1-METHYL-2-PIPERIDYL)METHYLPHENO-THIAZINE

mf: C₁₉H₂₂N₂S mw: 310.49

SYNS: P 892 □ PROMONTA

TOXICITY DATA with REFERENCE:

ivn-rat LD50:30 mg/kg 27ZQAG -,35,72
 orl-mus LD50:780 mg/kg 27ZQAG -,35,72
 ipr-mus LD50:125 mg/kg 27ZQAG -,35,72
 scu-mus LD50:1250 mg/kg 27ZQAG -,35,72
 ivn-mus LD50:50 mg/kg 27ZQAG -,35,72
 ivn-dog LD50:13 mg/kg 27ZQAG -,35,72

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

MOQ250 CAS: 60-89-9 HR: 3
(N-METHYL-3-PIPERIDYL)METHYLPHENO-THIAZINE

mf: C₁₉H₂₂N₂S mw: 310.49

PROP: Oil. Bp: 230–235° @ 4 mm.

SYNS: LACUMIN □ MEPAZIN □ MEPAZINE BASE □ 10-(1-METHYLPIPERIDYL-3-METHYL)PHENOTHIAZINE □ 10-(1-METHYL-3-PIPERIDYL)METHYL PHENOTHIAZINE □ P 391 □ PACATAL □ PACATAL BASE □ PAXITAL □ PECATAL □ PECAZINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:140 mg/kg ARZNAD 8,489,58
 scu-mus LD50:750 mg/kg CANJAE 3,224,56
 ivn-mus LD50:70 mg/kg ARZNAD 4,232,54
 ivn-rbt LD50:20 mg/kg CANJAE 3,224,56

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

MOQ500 CAS: 4354-45-4 HR: 3
1-METHYL-3-PIPERIDYL- α -PHENYLCYCLO-HEXANEGLYCOLATE

mf: $C_{20}H_{29}NO_3$ mw: 331.50SYNS: N-METHYL-3-PIPERIDYL- α -CYCLOHEXYL
MANDELATE \square OXYCLIPINE**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:18 mg/kg AIPTAK 120,186,59

ivn-mus LD50:32 mg/kg AIPTAK 120,186,59

SAFETY PROFILE: Poison by intravenous route.
When heated to decomposition it emits toxic fumes of NO_x .**MOR250 CAS: 17814-73-2 HR: 3
METHYL POTASSIUM**mf: CH_3K mw: 54.13**SAFETY PROFILE:** Since it is incompatible with moisture (as in all living tissue), it must be considered a poison. When dry it ignites spontaneously in air. When heated to decomposition it emits toxic fumes of K_2O . See also POTASSIUM COMPOUNDS.**MOR500 CAS: 83-43-2 HR: 2
METHYLPREDNISOLONE**mf: $C_{22}H_{30}O_5$ mw: 374.52**PROP:** Crystals. Mp: 228–237°.SYNS: MEDROL \square MEDROL DOSEPAK \square MEDRONE \square Δ^1 -6- α -METHYLHYDROCORTISONE \square 6- α -METHYLPREDNISOLONE \square METRISONE \square NSC-19987 \square 11- β ,17,21-TRIHYDROXY-6- α -METHYLPREGNA-1,4-DIENE-3,20-DIONE \square 11- β ,17- α ,21-TRIHYDROXY-6- α -METHYL-1,4-PREGNADIENE-3,20-DIONE \square URBASON \square URBASONE \square WYACORT**TOXICITY DATA with REFERENCE:**par-wmn TDLo:2400 μ g/kg:CVS BJANAD 69,422,92

ivn-wmn TDLo:60 mg/kg/3D-I:CVS,SYS AIMEAS 99,282,83

ivn-wmn TDLo:20 mg/kg/45M-C:CVS,PUL JRHUA9 13,477,86

ipr-mus LD50:2292 mg/kg NIIRDN 6,832,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A steroid hormone. Human systemic effects include arrhythmias, blood pressure lowering, heart rate changes, increased body temperature, pulse rate increase, respiratory depression. When heated to decomposition it emits acrid smoke and irritating fumes.**MOR600 CAS: 90350-40-6 HR: D
METHYLPREDNISOLONE SULEPTANATE**mf: $C_{33}H_{48}NO_{10}S \cdot Na$ mw: 673.87SYNS: PREGAN-1,4-DIENE-3,20-DIONE, 11,71-DIHYDROXY-6-METHYL-21-((8-(METHYL(2-SULFOETHYL) AMINO)-1,8-DIOXOCTYL)OXY)-, MONOSODIUM SALT, (6- α -11- β)- \square U-67,590A**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x .**MOR750 CAS: 75-28-5 HR: 3
2-METHYLPROPANE**

DOT: UN 1969

mf: C_4H_{10} mw: 58.14**PROP:** Colorless gas. Fp: -145° , bp: -10.2° , lel: 1.9%, uel: 8.5%, d: 0.5572 @ 20° , autoign temp: $864^\circ F$, vap d: 2.01. Sol in EtOH, Et_2O , and $CHCl_3$; spar sol in H_2O .SYNS: ISOBUTANE \square ISOBUTANE (DOT) \square ISOBUTANE MIXTURES (DOT)**TOXICITY DATA with REFERENCE:**

ihl-rat LC50:57 pph/15M HUTODJ 1,239,82

ihl-mus LCLo:1041 $g/m^3/2H$ JPETAB 58,74,36**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.DFG MAK: 1000 ppm (2400 mg/ m^3)**DOT CLASSIFICATION:** 2.1; Label: Flammable Gas**SAFETY PROFILE:** An asphyxiant. A common air contaminant. A very dangerous fire and explosion hazard when exposed to heat, flame, or oxidizers. To fight fire, stop flow of gas. When heated to decomposition it emits acrid smoke and irritating fumes.**MOS000 CAS: 75-66-1 HR: 3
2-METHYL-2-PROPANETHIOL**mf: $C_4H_{10}S$ mw: 90.20**PROP:** Mobile liquid; heavy skunk odor. Mp: -0.5° , bp: 63.7 – 64.2° , d: 0.79–0.82 @ $15.5^\circ/15.5^\circ$, flash p: $<-20^\circ F$, vap d: 3.1, n: (25/D) 1.41984. Sltly sol in water; very sol in alc, ether, and liquid H_2S .SYNS: tert-BUTANETHIOL \square tert-BUTYL MERCAPTAN**TOXICITY DATA with REFERENCE:**

eye-rbt 84 mg AIHAAP 19,171,58

orl-rat LD50:4729 mg/kg AIHAAP 19,171,58

ihl-rat LC50:22,200 ppm/4H AIHAAP 19,171,58

ipr-rat LD50:590 mg/kg AIHAAP 19,171,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. An eye irritant. A very dangerous fire hazard when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, use alcohol foam, dry chemical, mist, fog. When heated to decomposition or on contact with acid or acid fumes it emits highly toxic fumes of SO_x . See also MERCAPTANS.**MOS100 CAS: 1843-03-4 HR: 1
4,4',4''-(1-METHYL-1-PROPANYL-3-YLIDENE)-
TRIS(2-(1,1-DIMETHYLETHYL)-5-METHYL-
PHENOL)**mf: $C_{37}H_{52}O_3$ mw: 544.89SYNS: m-CRESOL, 4,4',4''-(1-METHYL-1-PROPANYL-3-YLIDENE)TRIS(6-tert-BUTYL)-(7Cl,8Cl) \square GSY 930 \square MARK AO 30 \square PHENOL, 4,4',4''-(1-METHYL-1-PROPANYL-3-YLIDENE)TRIS(2-(1,1-DIMETHYLETHYL)-5-METHYL)- \square TOPANOL CA \square TPNC \square TRISALKOFEN BMB**TOXICITY DATA with REFERENCE:**

unr-uns LD50:16,100 mg/kg GISAAA 42(7),74,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by an unspecified route. When heated to decomposition it emits acrid smoke and irritating vapors.**MOS250 CAS: 555-57-7 HR: 3**

N-METHYL-N-PROPARGYLBENZYLAMINEmf: C₁₁H₁₃N mw: 159.25**PROP:** Bp: 96–97° @ 11 mm.**SYNS:** N-BENZYL-N-METHYL-2-PROPYNYLAMINE □

EUTONYL □ N-METHYL-N-BENZYLPROPYNYLAMINE □ N-

METHYL-N-2-PROPYNYLBENZYLAMINE □ PARAGLYINE □

PARGLYAMINE □ PARGYLINE

TOXICITY DATA with REFERENCE:orl-chd TDLo:8750 µg/kg;NOSE,EYE,PUL 34ZIAG
-,452,69

orl-rat LD50:300 mg/kg JMCMA 14,913,71

ipr-rat LD50:142 mg/kg ANYAA 107,1068,63

orl-mus LD50:680 mg/kg JMCMA 14,913,71

ipr-mus LD50:290 mg/kg THERAP 22,367,67

scu-mus LD50:380 mg/kg BCPA 17,369,68

ivn-mus LD50:56 mg/kg CSLNX* NX#02420

orl-dog LD50:175 mg/kg ANYAA 107,1068,63

ipr-mky LD50:200 mg/kg ANYAA 107,1068,63

ipr-cat LD50:200 mg/kg ANYAA 107,1068,63

SAFETY PROFILE: Poison by ingestion,
intraperitoneal, subcutaneous, and intravenous routes.
Human systemic effects by ingestion: eye lachrymation,
olfactory and pulmonary effects. Experimental
reproductive effects. When heated to decomposition it
emits toxic fumes of NO_x. See also AMINES.**MOS300 CAS: 141363-24-8 HR: D**
4-(2-(2-(2-METHYL-1-PROPENYL)-5-NITRO-1H-
IMIDAZOL-1-YL)ETHYL)MORPHOLINEmf: C₁₃H₂₀N₄O₃ mw: 280.37**SYN:** MORPHOLINE, 4-(2-(2-(2-METHYL-1-PROPENYL)-5-
NITRO-1H-IMIDAZOL-1-YL)ETHYL)-**TOXICITY DATA with REFERENCE:**

mic-bac-sat 10,700 pmol/plate EMMUEG 19,167,92

SAFETY PROFILE: Mutation data reported. When
heated to decomposition it emits toxic vapors of NO_x.**MOS400 CAS: 3295-92-9 HR: 3**
N-METHYLPROPHAMmf: C₁₁H₁₅NO₂ mw: 193.27**SYNS:** CARBAMIC ACID, METHYLPHENYL-, 1-METHYL-
ETHYL ESTER (9CI) □ CARBANILIC ACID, N-METHYL-,
ISOPROPYL ESTER □ ISOPROPYL N-METHYLCARBANILATE
□ ISOPROPYL METHYLPHENYLCARBAMATE**TOXICITY DATA with REFERENCE:**

ims-rbt LD50:22,400 µg/kg DCTODJ 3,319,1980

SAFETY PROFILE: A poison by intramuscular route.
When heated to decomposition it emits toxic vapors of
NO_x.**MOS875 CAS: 922-67-8 HR: 3**
METHYL PROPIOLATEmf: C₄H₄O₂ mw: 84.08CH₃OCO•C≡CH**PROP:** Bp: 102°.**SYNS:** ACETYLENECARBOXYLIC ACID METHYL ESTER □
METHYL PROPYNOATE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#08364

SAFETY PROFILE: Poison by intravenous route.
Octakis(trifluorophosphine)rhodium catalyzes the violentpolymerization of methyl propiolate. When heated to
decomposition it emits acrid smoke and irritating fumes.**MOS900 CAS: 1187-58-2 HR: 2**
N-METHYLPROPIONAMIDEmf: C₄H₉NO mw: 87.14**SYNS:** N-METHYLPROPANAMIDE □ N-METHYLPROPIONIC
ACID AMIDE □ N-METHYLPROPIONSAEUREAMID □
PROPANAMIDE, N-METHYL-(9CI) □ PROPIONAMIDE, N-
METHYL-**TOXICITY DATA with REFERENCE:**

unr-rat LD50:1700 mg/kg ARZNAD 18,645,68

CONSENSUS REPORTS: Reported in EPA TSCA
Inventory.**SAFETY PROFILE:** Moderately toxic by an
unspecified route. When heated to decomposition it emits
toxic vapors of NO_x.**MOT000 CAS: 554-12-1 HR: 3**
METHYL PROPIONATE**DOT:** UN 1248mf: C₄H₈O₂ mw: 88.12**PROP:** Colorless liquid. Mp: -87.0°, bp: 79.8°, flash p:
28°F (CC) (-2°C), d: 0.937 @ 4°, autoign temp: 876°F,
vap press: 40 mm @ 11.0°, vap d: 3.03, lel: 2.50%, uel:
13%, d: 0.915 @ 20°/4°. Sol in water @ 20°; misc in alc
and ether.**SYNS:** METHYL PROPANOATE □ METHYL PROPYLATE □
PROPANOIC ACID, METHYL ESTER □ PROPIONATE de
METHYLE (FRENCH)**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTOD7 20(Suppl),765,82

orl-rat LD50:5 g/kg FCTOD7 20(Suppl),765,82

orl-mus LD50:3460 mg/kg GTPZAB 18(3),48,74

ihl-mus LC50:27 g/m³ GTPZAB 18(3),48,74

orl-rbt LDLo:2550 mg/kg AMIHAB 21,100,60

CONSENSUS REPORTS: Reported in EPA TSCA
Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by ingestion.
Mildly toxic by inhalation. A skin irritant. A very
dangerous fire hazard when exposed to heat, flame, or
oxidizers. Explosive in the form of vapor when exposed
to heat or flame. To fight fire, use foam, CO₂, dry
chemical. When heated to decomposition it emits acrid
smoke and irritating fumes.**MOT100 CAS: 119515-38-7 HR: D**
1-(1-METHYLPROPOXYCARBONYL)-2-(2-
HYDROXYETHYL)PIPERIDINEmf: C₁₂H₂₃NO₃ mw: 229.36**SYNS:** KBR 3023 □ 1-METHYLPROPYL 2-(2-HYDROXYETHYL)-
1-PIPERIDINECARBOXYLATE □ 1-PIPERIDINECARBOXYLIC
ACID, 2-(2-HYDROXYETHYL)-, 1-METHYLPROPYL ESTER**TOXICITY DATA with REFERENCE:**skn-rat TDLo:7600 mg/kg (female 0-19D post):REP
TJADAB 61,222,2000**SAFETY PROFILE:** Experimental reproductive
effects. When heated to decomposition it emits toxic
vapors of NO_x.**MOT750 CAS: 94-14-4 HR: 3**

(2-METHYLPROPYL)-p-AMINO BENZOATEmf: $C_{11}H_{15}NO_2$ mw: 193.27

SYN: p-AMINO BENZOIC ACID ISOBUTYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:48 mg/kg JMCAR 17,900,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x .**MOT800 CAS: 73791-45-4 HR: 3
METHYLPROPYLARSINIC ACID**mf: $C_4H_{11}AsO_2$ mw: 166.07

SYN: ARSINE OXIDE, HYDROXYMETHYLPROPYL-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#01191

OSHA PEL: TWA 0.5 mg(As)/m³**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of As.**MOU250 CAS: 16354-54-4 HR: 2
12-METHYL-7-PROPYLBENZ(a)ANTHRACENE**mf: $C_{22}H_{20}$ mw: 284.42**TOXICITY DATA with REFERENCE:**

ims-rat TDLo:50 mg/kg;NEO PNAS 58,2253,67

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**MOU500 CAS: 541-95-7 HR: 3
METHYLPROPYLCARBINOL CARBAMATE**mf: $C_6H_{13}NO_2$ mw: 131.20

SYNS: HEDONAL □ 1-METHYLBUTYL ESTER CARBAMIC ACID □ 2-PENTANOL CARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:421 mg/kg TXAPA 9,1,150,59

orl-mus LDLo:1 g/kg LDTU** -,31

ipr-mus LD50:343 mg/kg TXAPA 9,1,150,59

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES.**MOU750 CAS: 2917-19-3 HR: 3
3-(1-METHYLPROPYL)-6-CHLOROPHENYL
METHYLCARBAMATE**mf: $C_{12}H_{16}ClNO_2$ mw: 241.74

SYNS: CAL CHEM 5655 □ CHEVRON RE 5655 □ 2-CHLORO-5-(1-METHYLPROPYL)PHENYL METHYLCARBAMATE □ ENT 27,128 □ METHYLCARBAMIC ACID-3-sec-BUTYL-6-CHLOROPHENYL ESTER □ METHYLCARBAMIC ACID-2-CHLORO-5-(1-METHYLPROPYL)PHENYL ESTER □ ORTHO-5655 □ RE 5655

TOXICITY DATA with REFERENCE:

orl-rat LD50:50 mg/kg ARSIM* 20,7,66

orl-ckn LD50:19 mg/kg TXAPA 9,11,49,67

orl-bwd LD50:2400 µg/kg TXAPA 9,21,315,72

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also CARBAMATES.**MOU800 CAS: 14765-30-1 HR: 2
2-(1-METHYLPROPYL)CYCLOHEXANONE**mf: $C_{10}H_{18}O$ mw: 154.28

SYNS: 2-sec-BUTYLCYCLOHEXANONE □ CYCLOHEXANONE, 2-sec-BUTYL-(7Cl,8Cl) □ CYCLOHEXANONE, 2-(1-METHYLPROPYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2400 mg/kg FCTOD 7 30,11S,92

skn-rbt LD50:>5 g/kg FCTOD 7 30,11S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Low toxicity by skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.**MOU820 CAS: 315706-71-9 HR: 3
4-METHYL-N-(4-PROPYLCYCLOHEXYL)-
BENZAMIDE**mf: $C_{17}H_{25}NO$ mw: 259.39**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:19.5 mg/kg FRMCE 8 55,439,2000

orl-rat TDLo:100 mg/kg FRMCE 8 55,439,2000

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x .**MOU830 CAS: 557-17-5 HR: 3
METHYL PROPYL ETHER
DOT: UN 2612**mf: $C_4H_{10}O$ mw: 74.14

SYNS: ETHER, METHYL PROPYL □ α-METHOXY PROPANE □ 1-METHOXYPROPANE □ METHYL n-PROPYL ETHER □ METOPRYL □ NEOTHYL □ PROPANE, 1-METHOXY-(9Cl)

TOXICITY DATA with REFERENCE:ihl-mus LC50:259 mg/m³/15M ANESAV 11,455,50**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by inhalation. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**MOV000 CAS: 3766-81-2 HR: 3
2-(1-METHYLPROPYL)PHENYL METHYL-
CARBAMATE**mf: $C_{12}H_{17}NO_2$ mw: 207.30**PROP:** A low-melting solid. Mp: 32°.

SYNS: BARIZON □ BASSA □ BAY 41637 □ BAYCARB □ BAYER 41367C □ BAYER 41637 □ BPMC □ 2-sec-BUTYL-FENYLESTER KYSELINY METHYLCARBAMINOVE (CZECH) □ o-sec-BUTYLPHENYL METHYLCARBAMATE □ 2-sec-BUTYL-PHENYL N-METHYLCARBAMATE □ CARVIL □ FENOBCARB □ FENOBUCARB □ GEOCARB 50EC □ HOPCIN □ METHYL-CARBAMIC ACID o-sec-BUTYLPHENYL ESTER □ OSBAC □ PHENOL, 2-(1-METHYLPROPYL)-, METHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg NNGADV 8,41,83

orl-mus LD50:173 mg/kg SPEADM 78-1,57,78

skn-mus LD50:340 mg/kg BESAAT 15,132,69

ipr-mus LD50:140 mg/kg FAATDF 4,724,84

ivn-mus LD50:42 mg/kg FAATDF 4,724,84

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

SAFETY PROFILE: Poison by ingestion, skin contact, intravenous, and intraperitoneal routes. Used as an insecticide. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES.

MOV100 CAS: 85519-82-0 HR: 3
S-(1-METHYLPROPYL) o-(2,2,2-TRIFLUOROETHYL)FORMYLMETHYLPHOSPHORAMIDODITHIOATE

mf: $\text{C}_8\text{H}_{15}\text{F}_3\text{NO}_2\text{PS}_2$ mw: 309.33

SYNS: PHOSPHORAMIDODITHIOIC ACID, FORMYLMETHYL-, S-(1-METHYLPROPYL) o-(2,2,2-TRIFLUOROETHYL) ESTER □ RH-52593 □ o-(2,2,2-TRIFLUOROETHYL) S-(1-METHYLPROPYL)-N-HYDROGENCARBONYL-N-METHYLPHOSPHORAMIDODITHIOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:51,500 $\mu\text{g}/\text{kg}$ NTIS** OTS0544455

skn-rat LD50:43 mg/kg NTIS** OTS0544455

ipr-rat LD50:11,200 $\mu\text{g}/\text{kg}$ NTIS** OTS0544455

SAFETY PROFILE: A poison by ingestion, skin contact, and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NO_x , SO_x , and F^- .

MOV500 CAS: 4268-36-4 HR: 3
2-METHYL-2-PROPYLTRIMETHYLENE BUTYLCARBAMATE CARBAMATE

mf: $\text{C}_{13}\text{H}_{26}\text{N}_2\text{O}_4$ mw: 274.41

PROP: Crystals from 1,1,2-trichloroethane/hexane. Mp: 49–51°, bp: 150–152° @ 0.06 mm.

SYNS: 2-((AMINOCARBONYLOXY)METHYL)-2-METHYLPENTYL ESTER BUTYL CARBAMIC ACID □ BENVIL □ N-N-BUTYL-2-METHYL-2-PROPYL-1,3-PROPANEDIOL DICARBAMATE □ N-BUTYL-2-METHYL-2-PROPYL-1,3-PROPANEDIOL DICARBAMATE □ CARBAMIC ACID, ESTER with 2-(HYDROXYMETHYL)-2-METHYLPENTYL BUTYLCARBAMATE □ CARBAMIC ACID, ESTER with 2-METHYL-2-PROPYL-1,3-PROPANEDIOL BUTYLCARBAMATE □ EFFISAX □ 2-(HYDROXYMETHYL)-2-(METHYLPENTYL) BUTYLCARBAMATE CARBAMATE □ 2-(HYDROXYMETHYL)-2-METHYLPENTYL ESTER, CARBAMATE, BUTYL CARBAMIC ACID □ IDALENE □ 2-METHYL-2-PROPYL-1,3-PROPANEDIOL BUTYLCARBAMATE CARBAMATE □ NOSPAN □ SOLACEN □ SOLACIN □ TIBAMATO □ TYBAMATE □ TYBATRAN □ W 713

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:18 $\text{mg}/\text{kg}/\text{D}:\text{CNS,GIT}$ JAGSAF 12,1066,64

orl-rat LD50:1040 mg/kg 27ZQAG -,418,72

ipr-rat LD50:465 mg/kg 27ZQAG -,418,72

orl-mus LD50:830 mg/kg 27ZQAG -,418,72

ipr-mus LD50:514 mg/kg JMCMA 12,462,69

ivn-mus LD50:254 mg/kg 27ZQAG -,418,72

ivn-rbt LD50:105 mg/kg IJNEAQ 5,305,66

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Human systemic effects by ingestion: somnolence, hallucinations or distorted perceptions, and nausea or vomiting. When heated to decomposition it emits toxic fumes of NO_x . See also CARBAMATES.

MOV800 CAS: 35700-27-7 HR: 3
15(S)-15-METHYL-PROSTAGLANDIN E2

mf: $\text{C}_{21}\text{H}_{34}\text{O}_5$ mw: 366.55

SYNS: (5Z,11- α ,13E,15S,17Z)-11,15-DIHYDROXY-15-METHYL-9-OXO-PROSTA-5,13-DIEN-1-OIC ACID □ 15(S)-15-METHYL-PGE2

SAFETY PROFILE: Human reproductive effects by intramuscular and intravaginal routes: terminates pregnancy. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes.

MOW000 CAS: 59177-70-7 HR: 3
N-METHYL-4-PROTOADAMANTANEAMINE HYDROCHLORIDE

mf: $\text{C}_{11}\text{H}_{19}\text{N}\cdot\text{ClH}$ mw: 201.77

TOXICITY DATA with REFERENCE:

orl-mus LD50:403 mg/kg JMCMA 19,967,76

ipr-mus LD50:140 mg/kg JMCMA 19,967,76

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

MOW250 CAS: 59177-76-3 HR: 3
N-METHYL-4-PROTOADAMANTANEMETHANAMINE MALEATE

mf: $\text{C}_{12}\text{H}_{21}\text{N}\cdot\text{C}_4\text{H}_4\text{O}_4$ mw: 295.42

TOXICITY DATA with REFERENCE:

orl-mus LD50:295 mg/kg JMCMA 19,967,76

ipr-mus LD50:148 mg/kg JMCMA 19,967,76

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

MOW500 CAS: 3690-50-4 HR: 2
METHYL PROTOANEMONIN

mf: $\text{C}_6\text{H}_6\text{O}_2$ mw: 110.12

SYNS: ETHYLIDENE-2(5H)-FURANONE □ 4-HYDROXYHEXA-2,4-DIENOIC ACID LACTONE

TOXICITY DATA with REFERENCE:

scu-rat TDLo:2440 $\text{mg}/\text{kg}/61\text{W-I:ETA}$ BJCAA 15,85,61

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

MOW750 CAS: 109-08-0 HR: 3
2-METHYLPYRAZINE

mf: $\text{C}_5\text{H}_6\text{N}_2$ mw: 94.13

PROP: A liquid; nutty, cocoa odor. Mp: -29°, bp: 136–137° @ 737 mm, flash p: 122°F (COC), d: 1.029 @ 20°/4°, refr index: 1.504, vap d: 3.2. Misc with water, alc, acetone, fixed oils.

SYN: FEMA No. 3309

TOXICITY DATA with REFERENCE:

mmo-smc 8500 $\mu\text{g}/\text{L}$ FCTXAV 18,581,80

cyt-ham:ovr 2500 $\mu\text{g}/\text{L}$ FCTXAV 18,581,80

orl-rat LD50:1800 mg/kg DCTODJ 3,249,80

ipr-mus LD50:1820 mg/kg TXAPA9 17,244,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Mutation data reported. Flammable liquid when exposed to heat, sparks, or flame. Can react with oxidizing materials. To fight fire, use water spray, foam, dry chemical, CO_2 . When heated to decomposition it emits highly toxic fumes of NO_x .

MOX000 CAS: 7554-65-6 HR: 3**4-METHYLPYRAZOLE**mf: C₄H₆N₂ mw: 82.12**PROP:** Oil. D: 1.015 @ 20°/4°, bp: 204–205° @ 730 mm.**TOXICITY DATA with REFERENCE:**

orl-rat LD50:650 mg/kg EXPEAM 28,1198,72

ivn-rat LD50:310 mg/kg EXPEAM 28,1198,72

orl-mus LD50:640 mg/kg EXPEAM 28,1198,72

ivn-mus LD50:310 mg/kg EXPEAM 28,1198,72

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by ingestion. When heated to

decomposition it emits toxic fumes of NO_x.**MOX010 CAS: 1453-58-3 HR: 3****5-METHYLPYRAZOLE**mf: C₄H₆N₂ mw: 82.12**SYNS:** 3-METHYLPYRAZOLE □ 3(5)-METHYLPYRAZOLE □ PYRAZOLE, 3-METHYL- □ PYRAZOLE, 5-METHYL-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:710 mg/kg GTPZAB 32(9),50,88

ihl-rat LC50:719 mg/m³ GTPZAB 32(9),50,88

orl-mus LD50:240 mg/kg GISAAA 51(6),29,86

ipr-mus LD50:900 mg/kg FATOAO 25,27,62

SAFETY PROFILE: Poison by ingestion. Moderately

toxic by inhalation and intraperitoneal route. When heated

to decomposition it emits toxic vapors of NO_x.**MOX100 CAS: 108-26-9 HR: 2****3-METHYL-2-PYRAZOLIN-5-ONE**mf: C₄H₆N₂O mw: 98.12**SYNS:** 3-METHYL-PYRAZOLON-(5) □ 2-PYRAZOLIN-5-ONE, 3-METHYL-**TOXICITY DATA with REFERENCE:**

unr-rat LDLo:600 mg/kg BCPA6 14,1325,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by unspecified route. When heated to decomposition it emits toxic vapors of NO_x.**MOX250 CAS: 108-34-9 HR: 3**
METHYLPYRAZOLYL DIETHYLPHOSPHATEmf: C₈H₁₅N₂O₄P mw: 234.22**SYNS:** O,O-DIAETHYL-O-(3-METHYL-1H-PYRAZOL-5-YL)-PHOSPHAT (GERMAN) □ O,O-DIETHYL-O-(3-METHYL-1H-PYRAZOL-5-YL)-FOSFAAT (DUTCH) □ DIETHYL-3-METHYL-5-PYRAZOLYL PHOSPHATE □ O,O-DIETHYL-O-(3-METHYL-5-PYRAZOLYL) PHOSPHATE □ O,O-DIETHYL-O-(3-METHYL-1H-PYRAZOL-5-YL)-FOSFATO (ITALIAN) □ ENT 24,723 □ 3-METHYLPYRAZOLYL-5-DIETHYLPHOSPHATE □ PHOSPHATE de DIETHYLE et de 3-METHYL-5-PYRAZOLYLE (FRENCH) □ PHOSPHORIC ACID-DIETHYL-(3-METHYL-5-PYRAZOLYL) ESTER □ PIRAZOXON (ITALIAN)**TOXICITY DATA with REFERENCE:**

scu-rat LD50:7 mg/kg JEENAI 50(3),356,57

orl-mus LD50:4 mg/kg ARSIM* 20,17,66

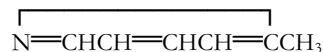
orl-bwd LD50:40 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and PO_x.**MOX875 CAS: 2381-21-7 HR: 2****3-METHYLPYRENE**mf: C₁₇H₁₂ mw: 216.29**PROP:** Plates from EtOH. Mp: 71–72°, bp: 410°.**SYN:** 1-METHYLPYRENE**TOXICITY DATA with REFERENCE:**

mma-sat 180 μmol/L/2H CNREA8 39,4152,79

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MOT000 CAS: 86470-99-7 HR: D****α-METHYL-2-PYRENEMETHANOL**mf: C₁₈H₁₄O mw: 246.32**SYNS:** 2-PYRENEMETHANOL, α-METHYL- □ 1-(2-PYRENYL)ETHANOL**TOXICITY DATA with REFERENCE:**

mic-bac-sat 50 μmol/L CRNGDP 15,2605,94

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.**MOY000 CAS: 109-06-8 HR: 3****2-METHYLPYRIDINE**mf: C₆H₇N mw: 93.14**PROP:** Colorless liquid or oil; strong unpleasant odor.

Mp: −70°, bp: 129°, flash p: 102°F (OC), d: 0.95 @ 15°/4°, autoign temp: 1000°F, vap press: 10 mm @ 24.4°, vap d: 3.2. Very sol in water; misc in alc and ether.

SYNS: α-METHYLPYRIDINE □ 2-PICOLINE □ α-PICOLINE □ o-PICOLINE □ RCRA WASTE NUMBER U191**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51

skn-rbt 470 mg open MLD UCDS** 2/21/58

eye-rbt 750 μg open SEV AMIHBC 4,119,51

sln-smc 7400 ppm MUREAV 163,23,86

orl-rat LD50:790 mg/kg HYSAAV 33,341,68

ihl-rat LCLo:4000 ppm/4H AMIHBC 4,119,51

ipr-rat LD50:200 mg/kg FAATDF 5,920,85

orl-mus LD50:674 mg/kg HYSAAV 33,341,68

skn-rbt LD50:410 mg/kg AMIHBC 4,119,51

orl-gpg LD50:900 mg/kg HYSAAV 33,341,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route.

Moderately toxic by ingestion and skin contact. Mildly

toxic by inhalation. A skin and severe eye irritant.

Mutation data reported. Flammable liquid when exposed

to heat or flame. To fight fire, use CO₂, dry chemical.Mixtures with hydrogen peroxide + iron(II) sulfate + sulfuric acid may ignite and then explode. When heated to decomposition it emits toxic fumes of NO_x. See also 4-METHYLPYRIDINE.**MOY250 CAS: 108-89-4 HR: 3****4-METHYLPYRIDINE**mf: C₆H₇N mw: 93.14

PROP: Colorless liquid; disagreeable odor. Bp: 145°, fp: 3.7°, d: 0.9571 @ 15°/4°, vap d: 3.21, flash p: 134°F (OC). Sol in H₂O, EtOH, and Et₂O.

SYNS: γ-PICOLINE □ 4-PICOLINE □ p-PICOLINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AMIHBC 10,61,54
 skn-rbt 480 mg open MOD UCDS** 2/21/58
 eye-rbt 750 µg open SEV AMIHBC 10,61,54
 orl-rat LD50:440 mg/kg GISAAA 57(9-10),64,92
 ihl-rat LCLo:1000 ppm/4H AMIHBC 10,61,54
 ipr-rat LD50:163 mg/kg FAATDF 5,920,85
 orl-mus LD50:350 mg/kg GISAAA 57(9-10),64,92
 ihl-mus LC50:4 g/m³ GISAAA 57(9-10),64,92
 ipr-mus LD50:335 mg/kg TOXIA6 23,815,85
 skn-gpg LDLo:500 mg/kg 85JCAE -,841,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. Mildly toxic by inhalation. A severe skin and eye irritant. Flammable liquid when exposed to heat, flames, oxidizers. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of NO_x. See also 2-METHYLPYRIDINE.

MOY500 CAS: 63019-78-3 HR: 2
2-METHYLPYRIDINE-4-AZO-p-DIMETHYL-ANILINE

mf: C₁₄H₁₆N₄ mw: 240.34

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

MOY550 CAS: 1003-73-2 HR: 2
3-METHYLPYRIDINE-1-OXIDE

mf: C₆H₇NO mw: 109.14

SYN: PYRIDINE, 3-METHYL-, 1-OXIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1689 mg/kg TOXIA6 23,815,85

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.

MOY790 CAS: 1003-67-4 HR: 2
4-METHYLPYRIDINE 1-OXIDE

mf: C₆H₇NO mw: 109.14

SYN: PYRIDINE, 4-METHYL-, 1-OXIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1242 mg/kg TOXIA6 23,815,85

orl-qal LD50:750 mg/kg AEECTCV 12,355,83

orl-brd LD50:1 g/kg AEECTCV 12,355,83

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 NO_x.

MOY800 CAS: 31932-35-1 HR: 2
3-METHYLPYRIDINE-1-OXIDE-4-AZO-p-

DIMETHYL-ANILINE

mf: C₁₄H₁₆N₄O mw: 256.34

SYN: N,N-DIMETHYL-4-(4'-(3'-METHYLPYRIDYL-1'-OXIDE)AZO)ANILINE

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

MOY875 CAS: 7680-73-1 HR: 3
METHYL PYRIDINIUM CHLORIDE

mf: C₆H₈N•Cl mw: 129.60

SYNS: N-METHYLPYRIDINIUM CHLORIDE □ 1-METHYLPYRIDINIUM CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:285 mg/kg GISAAA 49(1),74,84

scu-rat LD50:280 mg/kg APFRAD 8,773,50

orl-mus LD50:286 mg/kg GISAAA 49(1),74,84

ipr-mus LDLo:220 mg/kg JCINAO 25,908,46

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

MOZ000 CAS: 930-73-4 HR: 3
1-METHYLPYRIDINIUM IODIDE

mf: C₆H₈N•I mw: 221.05

PROP: Crystals from EtOH or Me₂CO. Mp: 118°.

SYNS: N-METHYLPYRIDINIUM IODIDE □ PAN-W-29 □ PYRIDINE METHIODIDE

TOXICITY DATA with REFERENCE:

orl-mus LDLo:1600 mg/kg JPMSAE 69,327,80

ipr-mus LD50:491 mg/kg PHARAT 33,120,78

scu-rbt LDLo:40 mg/kg 85IXA4 -,695,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by subcutaneous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and I⁻.

MOZ200 CAS: 62581-31-1 HR: 3
N-METHYLPYRIDINIUM-2-NITRILE METHANE-SULPHONATE

SYN: PYRIDINIUM, N-METHYL-, 2-NITRILE METHANE-SULPHONATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:75 mg/kg BCPCA6 7,232,61

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

MPA050 CAS: 486-84-0 HR: 3
1-METHYL-9H-PYRIDO(3,4-b)INDOLE

mf: C₁₂H₁₀N₂ mw: 182.24

PROP: A solid. Mp: 237–238°.

SYNS: ARIBINE □ HARMAN □ HARMANE □ LOCUTURINE □ LOTURINE □ 2-METHYL-β-CARBOLINE □ 3-METHYL-4-CARBOLINE □ 1-METHYLNORHARMAN □ PASSIFLORIN

TOXICITY DATA with REFERENCE:

dni-hmn:oth 200 µmol/L BBRC A9 86,124,79

msc-ham:lng 100 mg/L CALEDQ 17,249,83

ipr-mus LD50:50 mg/kg APTAK 149,164,64

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

MPA065 CAS: 78538-74-6 HR: D
N-METHYL-9H-PYRIDO(3,4-B)INDOLE-3-CARBOXAMIDE

mf: C₁₃H₁₁N₃O mw: 225.27

SYNS: FG7142 □ N-METHYL-β-CARBOLINE-3-CARBOXAMIDE

□ 9H-PYRIDO(3,4-B)INDOLE-3-CARBOXAMIDE, N-METHYL-

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

MPA075 CAS: 694-85-9 HR: 2
N-METHYLPYRIDONE

mf: C₆H₇NO mw: 109.14

SYNS: 1-METHYL-2(1H)-PYRIDINONE □ 1-METHYL-2(1H)-PYRIDONE □ 2(1H)-PYRIDINONE, 1-METHYL-(9CI) □ 2(1H)-PYRIDONE, 1-METHYL-

TOXICITY DATA with REFERENCE:

orl-qal LD50:421 mg/kg JRPFA4 48,371,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPA100 HR: 3
α-((4-METHYL-2-PYRIDYLAMINO)METHYL)-BENZYL ALCOHOL HYDROCHLORIDE

mf: C₁₄H₁₆N₂O•ClH mw: 264.78

TOXICITY DATA with REFERENCE:

orl-mus LD50:685 mg/kg JPETAB 128,65,60

ipr-mus LD50:230 mg/kg JPETAB 128,65,60

ivn-mus LD50:83 mg/kg JPETAB 128,65,60

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

MPA250 CAS: 41288-00-0 HR: 3
3-(6-(5-METHYL-2-PYRIDYLOXY)HEXYL)-THIAZOLIDINE DIHYDROCHLORIDE

mf: C₁₅H₂₄N₂OS•2ClH mw: 353.39

SYN: 5-METHYL-2-(6-(3-THIAZOLIDINYL)HEXYLOXY)-PYRIDINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JMCMA 16,319,73

ipr-mus LD50:200 mg/kg JMCMA 16,319,73

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

MPB000 CAS: 96-54-8 HR: 3
1-METHYLPYRROLE

mf: C₅H₇N mw: 81.12

PROP: Liquid. D: 0.9, vap d: 2.8, bp: 112°, fp: -57°, flash p: 60.8°F. Insol in water.

SAFETY PROFILE: A very dangerous fire hazard when exposed to heat, flame, or oxidizers. To fight fire, use dry chemical, CO₂, foam. When heated to decomposition it emits acrid smoke and irritating fumes. See also PYRROLE.

MPB175 CAS: 53365-77-8 HR: 2
1-METHYLPYRROLE-2,3-DIMETHANOL

mf: C₇H₁₁NO₂ mw: 141.19

SYNS: 1,2-BISHYDROXYMETHYL-1-METHYLPYRROLE □ 2,3-BISHYDROXYMETHYL-1-METHYLPYRROLE

TOXICITY DATA with REFERENCE:

oth-hmn:hlas 20 μmol/L CBINA8 30,325,80

sce-hmn:lyms 5 μmol/L MUREAV 149,485,85

skn-mus TDLo:1325 mg/kg/47W-I:CAR CALEDQ 17,61,82

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

MPB250 CAS: 120-94-5 HR: 3
1-METHYLPYRROLIDINE

mf: C₅H₁₁N mw: 85.15

PROP: Colorless to yellow liquid; penetrating amine-like odor. Fp: -90°, bp: 80.5°, d: 0.8054 @ 20°/20°, flash p: 37.4°F, vap d: 2.9. Misc in H₂O.

SYN: N-METHYLTETRAHYDROPYRROLE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:178 mg/kg JPETAB 88,82,46

ivn-mus LD50:47 mg/kg JPETAB 88,82,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. This material is strongly alkaline. Liquid and vapors are corrosive to the skin, eyes, or mucous membranes. A very dangerous fire hazard; keep away from sparks, heat sources, and powerful oxidizers. Keep in closed containers. To fight fire, use alcohol foam. When heated to decomposition it emits highly toxic fumes of NO_x. See also AMMONIA.

MPB500 CAS: 3690-18-4 HR: 3
β-METHYL-1-PYRROLIDINEPROPIONANILIDE

mf: C₁₄H₂₀N₂O mw: 232.36

SYNS: ANILIDE of (PYRROLIDINO-N)-3-N-BUTYRIC ACID □ l'ANILIDE de l'ACIDE (PYRROLIDINO-N)-3-N-BUTYRIQUE (FRENCH)

TOXICITY DATA with REFERENCE:

orl-mus LD50:1350 mg/kg AIPTAK 130,235,60

ipr-mus LD50:200 mg/kg AIPTAK 130,235,60

scu-mus LD50:660 mg/kg AIPTAK 130,235,60

ivn-gpg LDLo:92 mg/kg AIPTAK 130,235,60

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

MPB600 CAS: 51013-18-4 HR: 2
METHYL-2-PYRROLIDINONE

mf: C₅H₉NO mw: 99.15

SYNS: METHYLPYRROLIDONE □ 2-PYRROLIDINONE, METHYL-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:3 g/kg TPKVAL 7,27,65
orl-mus LDLo:3 g/kg TPKVAL 7,27,65
ipr-mus LD50:2310 mg/kg YKIGAK 31,327,80
orl-rbt LD50:3500 mg/kg GISAAA 35(6),84,70
orl-gpg LD50:4400 mg/kg GISAAA 35(6),84,70

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

MPC250 CAS: 22966-83-2 HR: 3
1-(2-METHYL-5-PYRROLIDINO-2,4-PENTADIENYLIDENE)PYRROLIDINIUM PERCHLORATE

mf: C₁₄H₂₃N₂•ClO₄ mw: 318.84

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg JMCMA 12,806,69
ipr-mus LD50:10 mg/kg JMCMA 12,806,69

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

MPC275 CAS: 52572-38-0 HR: 3
3-METHYL-4-(1-PYRROLIDINYL)BENZENEDIAZONIUM TRICHLOROZINCATE(1-)

mf: C₁₁H₁₄N₃•Cl₃Zn mw: 360.00

SYNS: BENZENEDIAZONIUM, 3-METHYL-4-(1-PYRROLIDINYL)-, TRICHLOROZINCATE(1-) □ DIAZO Y

TOXICITY DATA with REFERENCE:

orl-rat LD50:86 mg/kg EPASR* 8EHQ-0191-1021

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of zinc, NO_x, and Cl⁻.

MPC300 CAS: 7236-83-1 HR: 3
6-METHYL-α-(1-PYRROLIDINYLCARBONYL)-ERGOLINE-8-β-PROPIONITRILE

mf: C₂₃H₂₈N₄O mw: 376.55

SYN: ERGOLINE-8-β-PROPIONITRILE, 6-METHYL-α-(1-PYRROLIDINYLCARBONYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:200 mg/kg ARZNAD 33,1094,83

SAFETY PROFILE: Poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

MPD000 CAS: 7236-83-1 HR: 3
3-(1-METHYL-2-PYRROLIDINYL)INDOLE

mf: C₁₃H₁₆N₂ mw: 200.31

TOXICITY DATA with REFERENCE:

ipr-rat LD50:176 mg/kg JMCMA 7,415,64
ipr-mus LD50:65 mg/kg JMCMA 7,415,64

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

MPD250 CAS: 3671-00-9 HR: 3

3-(1-METHYL-3-PYRROLIDINYL)INDOLE

mf: C₁₃H₁₆N₂ mw: 200.31

TOXICITY DATA with REFERENCE:

orl-rat LD50:413 mg/kg JMCMA 9,136,66
ipr-rat LD50:107 mg/kg JMCMA 9,136,66
orl-mus LD50:244 mg/kg JMCMA 9,136,66
ipr-mus LD50:100 mg/kg JMCMA 9,136,66

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

MPE250 CAS: 1982-37-2 HR: 3
10-((1-METHYL-3-PYRROLIDINYL)METHYL)-PHENOTHIAZINE

mf: C₁₈H₂₀N₂S mw: 296.46

SYNS: DILOSYN □ DISYNCRAM □ DISYNCRAN □ METHDILAZINE □ MJ 5022 □ NCI-C60720 □ PRODUCT 5022 □ TACARYL □ TACAZYL □ TACRYL

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:4 mg/kg:CNS,GIT,PUL 34ZIAG -,379,69
orl-rat LD50:162 mg/kg TXAPA 9 18,185,71
orl-mus LD50:225 mg/kg 27ZQAG -,29,72
ipr-mus LD50:183 mg/kg 27ZQAG -,29,72
orl-gpg LD50:263 mg/kg 27ZQAG -,29,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: somnolence, dyspnea and gastrointestinal changes. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

MPF200 CAS: 872-50-4 HR: 3
N-METHYLPYRROLIDONE

mf: C₅H₉NO mw: 99.15

PROP: Colorless liquid; mild odor. Fp: -24°, mp: -17°, bp: 202°, flash p: 204°F (OC), d: 1.027 @ 25°/4°, vap d: 3.4.

SYNS: N-METHYLPYRROLIDINONE □ N-METHYL-2-PYRROLIDINONE □ 1-METHYL-2-PYRROLIDINONE □ 1-METHYL-5-PYRROLIDINONE □ METHYLPYRROLIDONE □ 1-METHYL-2-PYRROLIDONE □ N-METHYL-2-PYRROLIDONE □ M-PYROL □ NMP

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MOD FCTOD7 26,475,88
sln-smc 154 mmol/L EMMUEG 11,31,88
orl-rat TDLo:9700 mg/kg (female 6-15D post):TER EPASR* 8EHQ-1087-0695
orl-rat LD50:3914 mg/kg ARZNAD 26,1581,76
ipr-rat LD50:2472 mg/kg ARZNAD 26,1581,76
ivn-rat LD50:80,500 µg/kg IYKEDH 18,922,87
orl-mus LD50:5130 mg/kg EPASR* 8EHQ-1087-0695
ipr-mus LD50:3050 mg/kg EPASR* 8EHQ-1087-0695
ivn-mus LD50:54,500 µg/kg IYKEDH 18,922,87
skn-rbt LD50:8000 mg/kg NPIRI* 1,84,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: 19 ppm (80 mg/m³)

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by skin contact. An experimental teratogen. Experimental reproductive effects. Mutation data reported. Combustible when exposed to heat, open flame, or powerful oxidizers. To fight fire, use foam, CO₂, dry

chemical. When heated to decomposition it emits toxic fumes of NO_x.

MPF300 CAS: 126268-14-2 HR: 3
3-((1-METHYLPYRROL-2-YL)METHYLENE-AMINO)-4-(PIPERIDINOMETHYL)-2-OXAZOLIDONE

mf: C₁₅H₂₁N₄O₂ mw: 289.40

SYN: 2-OXAZOLIDONE, 3-((1-METHYLPYRROL-2-YL)METHYLENEAMINO)-4-(PIPERIDINOMETHYL)-

TOXICITY DATA with REFERENCE:

orl-mus LD50:498 mg/kg YHHPAL 24,737,1989

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

MPF500 CAS: 1769-24-0 HR: 2
2-METHYL-4-QUINAZOLINONE

mf: C₉H₈N₂O mw: 160.19

PROP: Needles from EtOH. Mp: 240–242°.

SYNS: 2-METHYLQUINAZOLONE □ 2-METHYL-4(3H)-QUINAZOLINONE □ 4-QUINAZOLINOL, 2-METHYL-(8CI) □ 4(1H)-QUINAZOLINONE, 2-METHYL-(7CI,9CI) □ 4(3H)-QUINAZOLINONE, 2-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:859 mg/kg ARZNAD 12,1204,62

ipr-mus LD50:592 mg/kg ARZNAD 12,1204,62

par-mus LD50:500 mg/kg PCJOAO 7,626,73

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

MPF750 CAS: 2436-66-0 HR: 2
3-METHYL-4-QUINAZOLINONE

mf: C₉H₈N₂O mw: 160.19

TOXICITY DATA with REFERENCE:

orl-mus LD50:517 mg/kg ARZNAD 12,1204,62

ipr-mus LD50:414 mg/kg ARZNAD 12,1204,62

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

MPF800 CAS: 91-62-3 HR: 3
6-METHYLQUINOLINE

mf: C₁₀H₉N mw: 143.20

PROP: Oil. D: 1.066 @ 20°/4°, fp: -22°, bp: 258° @ 745 mm.

SYNS: p-METHYLQUINOLINE □ p-TOLUQUINOLINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,871,79

mma-sat 25 µg/plate APTOD9 19,A105,80

orl-rat LD50:800 mg/kg GTPZAB 28(12),56,84

ipr-mus LD50:386 mg/kg FCTXAV 17,871,79

skn-rbt LD50:5000 mg/kg FCTXAV 17,871,79

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mildly toxic by skin contact. Mutation data reported. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x.

MPF900 CAS: 142044-37-9 HR: D
N-METHYL-QUINOLINE 5,6-OXIDE

mf: C₁₀H₁₀NO mw: 160.21

SYNS: cis-(+)-1A,7B-DIHYDRO-4-

METHYLOXIRENO(F)QUINOLINIUM □

OXIRENO(f)QUINOLINIUM, 1A,7B-DIHYDRO-4-METHYL-, cis-(+)-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1 µmol/plate MUREAV 278,227,92

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

MPG000 CAS: 2525-21-5 HR: 3
1-METHYLQUINOLINIUM CHLORIDE

mf: C₁₀H₁₀N⁺Cl⁻ mw: 179.66

TOXICITY DATA with REFERENCE:

ivn-mus LD50:56 mg/kg CSLNX* NX#03581

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPG250 CAS: 14628-06-9 HR: 3
8-(METHYLQUINOLYL)-N-METHYL CARBAMATE

mf: C₁₂H₁₂N₂O₂ mw: 216.26

SYNS: CIBA C-7824 □ ENT 27,407 □ GIEGY GS-13798 □ GS-13,798 □ NSC-190997

TOXICITY DATA with REFERENCE:

orl-rat LD50:120 mg/kg 28ZEAL 4,286,69

ipr-mus LD50:27 mg/kg PHARAT 34,142,79

scu-gpg LDLo:100 mg/kg JEENAI 62,934,69

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

MPH300 CAS: 2901-66-8 HR: 3
METHYL RESERPATE

mf: C₂₃H₃₀N₂O₅ mw: 414.55

PROP: A solid. Mp: 244–245°.

SYNS: METHYL RESERPINOLATE □ MR □ RESERPATE de METHYLE (FRENCH)

TOXICITY DATA with REFERENCE:

orl-rat LD50:479 mg/kg FRXXBL #2390163

orl-mus LD50:210 mg/kg FRXXBL #23901643

ivn-mus LD50:48 mg/kg FRXXBL #2390163

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

MPH400 CAS: 608-25-3 HR: 3
2-METHYLRESORCINOL

mf: C₇H₈O₂ mw: 124.15

SYNS: 1,3-BENZENEDIOL, 2-METHYL-(9CI) □ 2,6-DIHYDROXYTOLUENE □ 2-METHYL-1,3-BENZENEDIOL □ 2-METHYL-1,3-DIHYDROXYBENZENE □ 2-METHYLRESORCIN □ RESORCINOL, 2-METHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg JACTDZ 5(3),167,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPH500 CAS: 504-15-4 HR: 3
5-METHYLRESORCINOL

mf: $C_7H_8O_2$ mw: 124.15

PROP: Crystals from water or leaflets from $CHCl_3$. Mp: 107.5°, bp: 287–290°.

SYNS: 1,3-DIHYDROXY-5-METHYLBENZENE □ 3,5-DIHYDROXYTOLUENE □ 5-METHYL-1,3-BENZENDIOL □ 5-METHYLRESORCINOL ORCINOL □ ORCIN □ ORCINOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:844 mg/kg GTPPAF 8,145,72
 scu-rat LDLo:1000 mg/kg RMSRA6 15,561,1895
 orl-mus LD50:772 mg/kg HYSAAV 34(4-6),16,69
 ipr-mus LD50:405 mg/kg CTYAD8 12,410,81
 ivn-mus LD50:290 mg/kg CTYAD8 12,410,81
 orl-rbt LD50:2400 mg/kg HYSAAV 34(4-6),16,69
 orl-gpg LD50:1687 mg/kg HYSAAV 34(4-6),16,69
 scu-gpg LDLo:600 mg/kg RMSRA6 15,561,1895
 scu-frg LDLo:50 mg/kg RMSRA6 15,561,1895
 skn-mam LD50:7800 mg/kg GISAAA 45(10),16,80

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

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion and intraperitoneal routes. Mildly toxic by skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.

MPH750 CAS: 4807-55-0 HR: 3
3-METHYL RHODANINE

mf: $C_4H_5NOS_2$ mw: 147.22

SYNS: 3-METHYLRODANIN □ RHODANINE, N-METHYL- □ USAF T-2

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:150 mg/kg ARZNAD 19,558,69
 orl-mus LD50:440 mg/kg FRZKAP 17(1),36,62
 ipr-mus LD50:400 mg/kg NTIS** AD277-689
 ivn-mus LD50:180 mg/kg CSLNX** NX#03766

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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 SO_x .

MPI000 CAS: 119-36-8 HR: 3
METHYL SALICYLATE

mf: $C_8H_8O_3$ mw: 152.16

PROP: Colorless, yellowish, or reddish oily liquid; odor and taste of wintergreen. Mp: -8.6°, bp: 223.3°, ULC: 20–25, flash p: 214°F (CC), fp: -1.2°, d: 1.1840 @ 25°/25°, refr index: 1.535, autoign temp: 850°F, vap press: 1 mm @ 54.0°, vap d: 5.24. Sltly sol in water @ 222° (decomp); sol in chloroform, ether, alc, glacial acetic acid. From steam distillation of leaves from *Gaultheria procumbens*

L. (Fam. *Ericaceae*) or from the bark of *Betula lenta L.* (Fam. *Betulaceae*).

SYNS: ACIDE ANISIQUE (FRENCH) □ ACIDE METHYL-*o*-BENZOIQUE (FRENCH) □ *o*-ANISIC ACID □ BETULA OIL □ FEMA No. 2745 □ GAULTHERIA OIL, ARTIFICIAL □ *o*-HYDROXYBENZOIC ACID, METHYL ESTER □ 2-HYDROXY-BENZOIC ACID METHYL ESTER □ *o*-METHOXYBENZOIC ACID □ 2-METHOXYBENZOIC ACID □ METHYL-*o*-HYDROXYBENZOATE □ METYLESTER KYSELINY SALICYLOVE (CZECH) □ NATURAL WINTERGREEN OIL □ OIL OF WINTERGREEN □ SALICYLIC ACID, METHYL ESTER □ SWEET BIRCH OIL □ SYNTHETIC WINTERGREEN OIL □ TEABERRY OIL □ WINTERGREEN OIL (FCC) □ WINTERGREEN OIL, SYNTHETIC

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,637,78
 eye-rbt 500 mg/24H MLD 28ZPAK -,106,72
 eye-rbt 500 mg/24H SEV 28ZPAK -,106,72
 skn-gpg 100% SEV FCTXAV 16,821,78
 eye-gpg 100% SEV FCTXAV 16,821,78
 orl-man LDLo:101 mg/kg AJMSA9 193,772,37
 orl-chd LDLo:228 mg/kg:PUL,GIT AJDCAI 69,37,45
 orl-chd LDLo:700 mg/kg:PNS,CNS,PUL ADCHAK 28,475,53
 orl-wmn LDLo:355 mg/kg AJMSA9 193,772,37
 orl-inf LDLo:1480 mg/kg:PUL,GIT AJMSA9 193,772,37
 orl-hmn LDLo:506 mg/kg MEIEDD 10,876,83
 unr-man LDLo:522 mg/kg 85DCAI 2,73,70
 orl-rat LD50:887 mg/kg FCTXAV 2,327,64
 orl-mus LD50:1110 mg/kg JPETAB 132,207,61
 orl-dog LD50:2100 mg/kg FCTXAV 16,821,78
 scu-dog LDLo:2250 mg/kg FCTXAV 16,821,78
 orl-rbt LD50:1300 mg/kg FCTXAV 16,821,78
 scu-rbt LDLo:4250 mg/kg FCTXAV 16,821,78
 orl-gpg LD50:700 mg/kg 14CYAT 2,1897,63
 scu-gpg LDLo:1500 mg/kg FAONAU 44A,63,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human poison by ingestion. Moderately toxic to humans by an unspecified route. Moderately toxic experimentally by intraperitoneal, intravenous, and subcutaneous routes. An experimental teratogen. Human systemic effects by ingestion: flaccid paralysis without anesthesia, general anesthesia, dyspnea, nausea, vomiting, and respiratory stimulation. Experimental reproductive effects. A severe skin and eye irritant. Ingestion of relatively small amounts has caused severe poisoning and death. Combustible liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO_2 , dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

MPI100 CAS: 2491-06-7 HR: 2
N-METHYLSARCOSINE HYDROCHLORIDE

mf: $C_4H_9NO_2 \cdot ClH$ mw: 139.60

SYNS: (DIMETHYLAMINO)ACETIC ACID HYDROCHLORIDE □ DIMETHYLGLYCINE HYDROCHLORIDE □ N,N-DIMETHYLGLYCINE HYDROCHLORIDE □ GLYCINE, N,N-DIMETHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:3900 mg/kg JACTDZ 1,198,92

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 HCl.

MPI200 CAS: 6547-08-6 HR: 2
METHYLSELENO-2-BENZOIC ACID
 mf: C₈H₈O₂Se mw: 215.12
SYNS: ACIDE METHYL SELENO-2-BENZOIQUE □ BENZOIC ACID, o-(METHYLSELENO)- □ BENZOIC ACID, 2-(METHYLSELENO)- □ o-(METHYLSELENO)BENZOIC ACID

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:1100 mg/kg CRSBAW 172,383,78

ivn-rat LDLo:500 mg/kg CRSBAW 172,383,78

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

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

MPI205 CAS: 22262-18-6 HR: 2
o-(METHYLSELENO)BENZOIC ACID SODIUM SALT

mf: C₈H₇O₂Se•Na mw: 237.10

SYN: BENZOIC ACID, o-(METHYLSELENO)-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:644 mg/kg CHDDAT 268,2807,69

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of Se.

MPI225 CAS: 21992-92-7 HR: 3
(METHYLSELENO)TRIS(DIMETHYLAMINO)PHOSPHONIUM IODIDE

mf: C₇H₂₁N₃PSe•I mw: 384.14

SYN: PHOSPHONIUM, (METHYLSELENO)TRIS(DIMETHYLAMINO)-, IODIDE

TOXICITY DATA with REFERENCE:

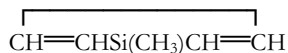
ivn-mus LD50:8 mg/kg CSLNX* NX#05351

OSHA PEL: TWA 0.2 mg(Se)/m³

ACGIH TLV: TWA 0.2 mg(Se)/m³

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of PO_x, Se, and I⁻.

MPI600 CAS: 992-94-9 HR: 3
1-METHYLSILACYCLOPENTA-2,4-DIENE
 mf: C₅H₈Si mw: 96.20



SAFETY PROFILE: Violently explosive reaction with dienophiles (e.g., maleic anhydride, tetracyanoethylene, acetylenedicarboxylate). When heated to decomposition it emits acrid smoke and irritating fumes.

MPI625 CAS: 992-94-9 HR: 3
METHYLSILANE
 mf: CH₄Si mw: 46.14
PROP: Gas. Fp: -156.81°, bp: -57.5°.

SAFETY PROFILE: Mixtures with mercury explode when shaken in the air. When heated to decomposition it emits acrid smoke and irritating fumes.

MPI650 CAS: 2288-13-3 HR: 2
1-METHYLSILATRANE
 mf: C₇H₁₅NO₃Si mw: 189.32

SYNS: METHYLSILATRAN □ METHYLSILATRANE □ 1-METHYL-2,8,9-TRIOXO-5-AZA-1-SILABICYCLO(3.3.3)-UNDECANE □ 2,8,9-TRIOXA-5-AZA-1-SILABICYCLO(3.3.3)-UNDECANE, 1-METHYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:1800 mg/kg PHARAT 26,224,70

ipr-mus LD50:840 mg/kg PHARAT 26,224,70

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 NO_x.

MPI750 CAS: 681-84-5 HR: 3
METHYL SILICATE

DOT: UN 2606

mf: C₄H₁₂O₄Si mw: 152.25

PROP: Clear liquid. Vap d: 5.25, d: 1.03 @ 22°/4°, mp: 4-5°, bp: 120-121°.

SYNS: METHYL ORTHOSILICATE □ METHYL ORTHOSILICATE (DOT) □ SILICIC ACID, METHYL ESTER of ortho- □ TETRAMETHOXYSILANE □ TETRAMETHYL SILICATE □ TETRAMETHYLSILIKAT □ TL 190

TOXICITY DATA with REFERENCE:

eye-rbt 250 µg open SEV AMIHBC 4,119,51

ihl-rat LCLo:250 ppm/4H AMIHBC 4,119,51

ihl-mus LCLo:1000 mg/m³/10M NDRC** NDCrc-132,May,42

ipr-mus LD50:250 mg/kg CBCCT* 2,56,50

skn-rbt LD50:17 g/kg AMIHBC 4,119,51

orl-uns LD50:1 g/kg GISAAA 39(4),86,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 1 ppm

ACGIH TLV: TWA 1 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by inhalation. Mildly toxic by skin contact. A severe eye irritant. This material can cause extensive necrosis (experimentally), keratoconus, and opaque cornea. It also causes severe human eye injuries, as well as necrosis of corneal cells, which progresses long after exposure has ceased. It is destructive and its effects resist treatment. Permanent blindness is possible from exposure to it. The kidney seems to be most subject to injury regardless of the mode of exposure. Pulmonary edema has also occurred. This material is more toxic than either ethyl silicate or silicic acid, although it has been thought that the injury caused is largely due to the action of the silicic acid. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. Potentially violent reaction with metal hexafluorides (e.g., rhenium, molybdenum, tungsten). When heated to decomposition it emits acrid smoke and irritating fumes.

See also SILICATES, and SILICA, AMORPHOUS HYDRATED.

MPI800 CAS: 75993-65-6 HR: 3
METHYLSILVER

mf: CH₃Ag mw: 122.90

PROP: Yellow-brown solid. IDLH 10 mg/m³ (as Ag).

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

SAFETY PROFILE: Explodes at -20°C. When heated to decomposition it emits acrid smoke and irritating fumes. See also SILVER COMPOUNDS.

MPJ000 CAS: 18356-02-0 HR: 3
METHYL SODIUM

mf: CH₃Na mw: 38.02

PROP: Thermally unstable powder.

SAFETY PROFILE: Ignites spontaneously in air. Corrosive and irritating material. Incompatible with p-chloronitrobenzene. When heated to decomposition it emits toxic fumes of Na₂O. See also SODIUM COMPOUNDS and METHYL ALCOHOL.

MPJ050 CAS: 17878-69-2 HR: D
o-METHYLSTERIGMATOCYSTIN

mf: C₁₉H₁₄O₆ mw: 338.33

SYNS: 7H-FURO(3',2':4,5)FURO(2,3-C)XANTHEN-7-ONE,3A,12C-DIHYDRO-6,8-DIMETHOXY-, (3ar-CIS)- □ 7H-FURO(3',2':4,5)-FURO(2,3-C)XANTHEN-7-ONE, 3A,12C-DIHYDRO-6,8-DIMETHOXY- □ STERIGMATOCYSTIN, o-METHYL-

TOXICITY DATA with REFERENCE:

dns-rat-lvr 1 µmol/L MUREAV 173,217,1986

dni-mky-kdy 2 mg/L JNCIAM 48,1647,1972

uns-mky-kdy 2 mg/L JNCIAM 48,1647,1972

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

MPJ100 CAS: 23362-09-6 HR: 3
METHYL STIBINE

mf: CH₃Sb mw: 138.80

PROP: Colorless liquid. Bp: 41°.

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

SAFETY PROFILE: A shock- and heat-sensitive explosive. When heated to decomposition it emits toxic fumes of Sb. See also ANTIMONY COMPOUNDS.

MPJ250 CAS: 73928-03-7 HR: 2
2-METHYL-4-STILBENAMINE

mf: C₁₅H₁₅N mw: 209.31

SYN: 2-METHYL-4-AMINOSTILBENE

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

MPJ500 CAS: 73928-04-8 HR: 2
3-METHYL-4-STILBENAMINE

mf: C₁₅H₁₅N mw: 209.31

SYN: 3-METHYL-4-AMINOSTILBENE

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

MPJ800 CAS: 29847-17-4 HR: 3
β-METHYLSTREPTOZOTOCIN

mf: C₉H₁₇N₃O₇ mw: 279.29

SYN: β-d-METHYL-2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)GLUCOPYRANOSIDE

TOXICITY DATA with REFERENCE:

mno-sat 10 µmol/L CBINA8 8,395,74

ipr-mus LD50:1700 mg/kg JMCMA 19,918,76

ivn-mus LD50:1620 mg/kg JMCMA 19,918,76

ivn-dog LD50:400 mg/kg JMCMA 19,918,76

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

MPK250 CAS: 98-83-9 HR: 3
α-METHYL STYRENE

DOT: UN 2303

mf: C₉H₁₀ mw: 118.19

PROP: Colorless liquid. D: 0.913 @ 17°/4°, mp: -24.0°, bp: 167-170°. Insol in water; misc in alc and ether. IDLH 700 ppm.

SYNS: ISOPROPENIL-BENZOLO (ITALIAN) □ ISOPROPENYL-BENZEEN (DUTCH) □ ISOPROPENYLBENZENE □ ISOPROPENYL-BENZOL (GERMAN) □ as-METHYLPHENYLETHYLENE □ α-METHYLSTYREEN (DUTCH) □ α-METHYL-STYROL (GERMAN) □ α-METIL-STIROLO (ITALIAN) □ β-PHENYL-PROPENE □ 2-PHENYLPROPENE □ β-PHENYLPROPYLENE □ 2-PHENYLPROPYLENE

TOXICITY DATA with REFERENCE:

skn-rbt 100% MOD AMIHAB 14,387,56

eye-rbt 91 mg MLD AMIHAB 14,387,56

ihl-hmn TCLo:600 ppm:IRR AMIHAB 14,387,56

ihl-rat LCLo:3000 ppm 28ZRAQ -,131,60

ihl-gpg LCLo:3000 ppm 28ZRAQ -,131,60

ihl-rat TCLo:5 mg/m³/24H/13W-C GISAAA 31(2),3,66

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 50 ppm; STEL 100 ppm

ACGIH TLV: TWA 50 ppm; STEL 100 ppm

DFG MAK: 100 ppm (490 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Mildly toxic by inhalation. Human systemic effects by inhalation: irritant effects. A skin and eye irritant. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits acrid smoke and irritating fumes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Hydrocarbons, Aromatic, 1501.

MPK750 CAS: 13107-39-6 HR: D
p-METHYLSTYRENE OXIDE

mf: C₉H₁₀O mw: 134.19

SYNS: p-(EPOXYETHYL)TOLUENE □ (4-METHYLPHENYL)-OXIRANE □ 2-(4-METHYLPHENYL)OXIRANE □ 4-METHYLSTYRENE OXIDE □ p-TOLYLOXIRANE

TOXICITY DATA with REFERENCE:

mmo-sat 340 µmol/L MUREAV 58,159,78
 sce-hmn:lym 1 mmol/L MUREAV 116,379,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MPL000 CAS: 495-45-4 HR: 3
METHYL STYRYLPHENYL KETONE

mf: C₁₆H₁₄O mw: 222.30

PROP: Liquid. Mp: -30°, bp: 246° @ 50 mm, d: 1.093 @ 20°/20°, vap press: <0.01 @ 20°, vap d: 7.67.

SYNS: 1,3-DIPHENYL-2-BUTEN-1-ONE □ DYPNONE □ β-METHYLCHALCONE □ 1-((2-PHENYLETHENYL)PHENYL)-ETHANONE □ ar-STYRYLACETOPHENONE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD JIHTAB 31,60,49

eye-rbt 500 mg AJOPAA 29,1363,46

orl-rat LD50:3600 mg/kg JIHTAB 31,60,49

skn-rbt LD50:6300 mg/kg JIHTAB 31,60,49

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by skin contact. A skin and eye irritant. Flammable liquid when exposed to heat or flame; can react with oxidizing materials. To fight fire, use alcohol foam; CO₂, dry chemical. Used as a sunscreen. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MPL250 CAS: 13292-87-0 HR: 3
METHYL SULFIDE compound with BORANE (1:1)

mf: C₂H₆S•BH₃ mw: 75.98

PROP: Moisture-sensitive colorless liquid at room temp. Fp: -27°.

SYNS: BORANE, compound with DIMETHYLSULFIDE □ DIMETHYLSULFIDE BORANE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV PESTC* 9,4,80

skn-rbt LDLo:200 mg/kg PESTC* 9,4,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact. A severe eye irritant. When heated to decomposition it emits toxic fumes of SO_x. See also BORANES, BORON COMPOUNDS, and SULFIDES.

MPL500 CAS: 27302-90-5 HR: 2
2-((METHYLSULFINYL)ACETYL)PYRIDINE

mf: C₈H₉NO₂S mw: 183.24

SYN: OXISURAN

TOXICITY DATA with REFERENCE:

orl-mus TDLo:336 g/kg/80W-C:CAR TXCYAC 28,17,83

orl-rat LD50:6550 mg/kg TXAP9 36,49,76

ivn-rat LD50:1800 mg/kg TXAP9 36,49,76

orl-mus LD50:5280 mg/kg TXAP9 36,49,76

ivn-mus LD50:2510 mg/kg TXAP9 36,49,76

orl-rbt LD50:6610 mg/kg TXAP9 36,49,76

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. Questionable carcinogen with experimental carcinogenic and neoplastigenic data. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

MPL600 CAS: 49575-13-5 HR: 3
METHYLSULFINYL ETHYLTHIAMINE DISULFIDE

mf: C₂₆H₃₈N₈O₄S₄ mw: 654.96

TOXICITY DATA with REFERENCE:

scu-rat LD50:690 mg/kg SKNEA7 (24),13,74

ivn-rat LD50:330 mg/kg SKNEA7 (24),13,74

scu-mus LD50:430 mg/kg SKNEA7 (24),13,74

ivn-mus LD50:310 mg/kg SKNEA7 (24),13,74

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also SULFIDES.

MPL750 CAS: 72738-90-0 HR: 3
9-(p-(METHYLSULFONAMIDO)ANILINO)-3-ACRIDINE CARBAMIC ACID METHYL ESTER

mf: C₂₂H₂₀N₄O₄S mw: 436.52

TOXICITY DATA with REFERENCE:

mmo-sat 85 µmol/L JMC MAR 23,269,80

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also ESTERS and CARBAMATES.

MPM000 CAS: 53222-15-4 HR: 3
N-(9-(p-(METHYLSULFONAMIDO)ANILINO)-ACRIDIN-3-YL)ACETAMIDEMETHANE-SULFONATE

mf: C₂₂H₂₀N₄O₅S•CH₃O₃S mw: 517.64

SYN: N-(9-((4-((METHYLSULFONYL)AMINO)PHENYL)AMINO)-3-ACRIDINYL)ACETAMIDE METHANESULFONATE

TOXICITY DATA with REFERENCE:

mma-sat 282 µmol/L JMC MAR 23,251,79

ipr-mus LD10:19 mg/kg JMC MAR 22,251,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFONATES.

MPM750 HR: 3
2-METHYLSULFONYL-10-(3-(4'-CARBAMOYL-PIPERIDINO)PROPYL)-PHENOTHIAZINE

mf: C₂₂H₂₆N₃O₃S₂ mw: 444.63

SYNS: 1-(3-(2-(METHANESULFONYL)PHENOTHIAZIN-10-YL)PROPYL)-4-PIPERIDINECARBOXAMIDE □ 9965 RP

TOXICITY DATA with REFERENCE:

orl-mus LD50:1154 mg/kg OYYAA2 1,97,67

ipr-mus LD50:78 mg/kg OYYAA2 1,97,67

scu-mus LD50:712 mg/kg OYYAA2 1,97,67

ivn-mus LD50:64 mg/kg OYYAA2 1,97,67

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

MPN000 CAS: 15318-45-3 HR: 3**METHYLSULFONYL CHLORAMPHENICOL**mf: $C_{12}H_{15}Cl_2NO_5S$ mw: 356.24**PROP:** A solid. Mp: 164.3–166.3°.**SYNS:** 8065 C.B. □ DEXTROSULPHENIDOL □ TAP □

THIAMPHENICOL □ THIOCYMETIN □ THIOPHENICOL □ WIN-5063-2

TOXICITY DATA with REFERENCE:

unr-hmn TDLo:214 mg/kg/10D:CNS,GIT,SKN

ARZNAD 24,944,74

orl-rat LD50:7 g/kg OYYAA2 3,390,69

ipr-rat LD50:5 g/kg OYYAA2 3,390,69

scu-rat LD50:4 g/kg OYYAA2 3,390,69

ivn-rat LD50:339 mg/kg OYYAA2 3,390,69

orl-mus LD50:7 g/kg OYYAA2 3,390,69

ipr-mus LD50:5 g/kg OYYAA2 3,390,69

scu-mus LD50:4190 mg/kg OYYAA2 3,390,69

ivn-mus LD50:368 mg/kg OYYAA2 3,390,69

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by subcutaneous route. Mildly toxic by ingestion. Human systemic effects by an unspecified route: sleep disorders, dermatitis, nausea or vomiting. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- . See also CHLORAMPHENICOL.

MPN100 CAS: 505-44-2 HR: 3**3-METHYLSULPHINYLPROPYLISOTHIO-CYANATE**mf: $C_5H_9OS_2$ mw: 149.26

SYNS: IBERIN □ ISOTHIOCYANIC ACID, 3-(METHYLSULFINYL)PROPYL ESTER □ PROPANE, 1-ISOTHIOCYANATO-3-(METHYLSULFINYL)-(9CI)

TOXICITY DATA with REFERENCE:

scu-rat LD50:90 mg/kg FCTXAV 18,159,80

SAFETY PROFILE: Poison by subcutaneous route.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x .

MPN250 CAS: 595-48-2 HR: 2**METHYL TARTRONIC ACID**mf: $C_4H_6O_5$ mw: 134.10**PROP:** Crystals. Mp: 142° (decomp). Sol in H_2O .

SYNS: 2-HYDROXY-2-METHYLMALONATE □ HYDROXY-METHYL-PROPANEDIOIC ACID (9CI) □ ISOMALIC ACID

TOXICITY DATA with REFERENCE:

orl-mus LD50:2450 mg/kg TXAPA9 9,274,66

ipr-mus LD50:1400 mg/kg TXAPA9 9,274,66

orl-rbt LDLo:7000 mg/kg IECHAD 15,628,23

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

MPN275 CAS: 22262-19-7 HR: 3**o-(METHYLTELLURO)BENZOIC ACID**mf: $C_8H_7O_2Te \cdot Na$ mw: 285.74**SYN:** BENZOIC ACID, o-(METHYLTELLURO)-, SODIUM SALT**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:382 mg/kg CHDDAT 268,2807,69

ACGIH TLV: TWA 0.1 mg(Te)/m³

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

MPN500 CAS: 58-18-4 HR: 3**17-METHYLTESTOSTERONE**mf: $C_{20}H_{30}O_2$ mw: 302.50**PROP:** Crystals from EtOAc/isooctane. Mp: 164–166°.**SYNS:** ANDROMETH □ ANDROSAN □ ANDROSAN (tablets) □ANDROSTEN □ 4-ANDROSTENE-17- α -METHYL-17- β -OL-3-

ONE □ ANERTAN □ ANERTAN (tablets) □ DELATESTRYL □

DIANABOL □ DUMOGRAN □ GLOSSO STERANDRYL □

HOMANDREN □ HORMALE □ 17- β -HYDROXY-17-METHYL-

ANDROST-4-EN-3-ONE □ MALESTRONE □ MALOGEN □

MASENONE □ MASTESTONA □ MESTERONE □ METAND-

REN □ 17-METHYLTESTOSTERON □ METHYLTESTOS-

TERONE □ 17- α -METHYLTESTOSTERONE □ METRONE □

M.T. MUCORETTES □ NABOLIN □ NEO-HOMBREOL-M □

NSC-9701 □ NU MAN □ ORAVIRON □ ORETON-M □ ORETON

METHYL □ STENOLON □ STERONYL □ SYNANDRETS □

SYNANDROTABS □ TESTHORMONE □ TESTORA □

TESTOVIRON □ TESTRED

TOXICITY DATA with REFERENCE:

orl-man TDLo:5366 mg/kg/7Y-C:CAR,LIV BJSUAM 66,212,79

orl-man TDLo:420 mg/kg/4Y-C:CAR,LIV LANCAO 2,1273,72

orl-man TDLo:39 mg/kg/33W-I:LIV,SYS AJGAAR 82,461,87

orl-rat LD50:2500 mg/kg DRUGAY 6,830,82

ipr-rat LD50:1050 mg/kg NIIRDN 6,830,82

orl-mus LD50:1860 mg/kg NIIRDN 6,830,82

ipr-mus LD50:400 mg/kg NIIRDN 6,830,82

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

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Human teratogenic effects by ingestion: developmental abnormalities of the urogenital system. Experimental teratogenic and reproductive effects. Human systemic effects: cholestatic jaundice, weight loss or decreased weight gain. Questionable human carcinogen producing liver tumors. A synthetic androgenic steroid. When heated to decomposition it emits acrid smoke and irritating fumes. See also TESTOSTERONE.

MPN600 CAS: 57716-89-9 HR: D**4-o-METHYL-12-o-TETRADECANOYLPHORBOL-13-ACETATE**mf: $C_{37}H_{58}O_8$ mw: 402.74**SYNS:** 4-o-METHYL-TPA □ Me-TPA**TOXICITY DATA with REFERENCE:**dns-mus-skn 4 μ mol/kg RCOCB8 24,533,79dni-gpg:oth 4 μ mol/L CNREA8 42,1975,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MPN750 CAS: 29553-26-2 HR: 2**2-METHYL-3,3,4,5-TETRAFLUORO-2-BUTANOL**mf: $C_5H_8F_4O$ mw: 160.13

PROP: A liquid. D: 1.28 @ 20°/4°, bp: 117°.

TOXICITY DATA with REFERENCE:

orl-rat LDLo:670 mg/kg JOCMA7 4,262,62

ihl-rat LCLo:1000 ppm/4H JOCMA7 4,262,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES and ALCOHOLS.

MPO000 CAS: 89-94-1 HR: 2
2-METHYL-1,2,3,6-TETRAHYDROBENZ-ALDEHYDE

mf: C₈H₁₂O mw: 124.20

SYNS: 2-METHYL-4-CYCLOHEXENE-1-CARBOXALDEHYDE □
 6-METHYL-3-CYCLOHEXENE-1-CARBOXALDEHYDE

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:5660 mg/kg AIHAAP 23,95,62

skn-rbt LD50:3150 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPO250 CAS: 63020-37-1 HR: 2
6-METHYL-1,2,3,4-TETRAHYDROBENZ(a)-ANTHRACENE

mf: C₁₉H₁₈ mw: 246.37

SYN: 4-METHYL-1',2',3',4'-TETRAHYDRO-1,2-BENZANTHRACENE

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

MPO300 CAS: 5470-37-1 HR: D
1-METHYL-1,2,3,4-TETRAHYDRO-β-CARBOL-INE-3-CARBOXYLIC ACID

mf: C₁₃H₁₄N₂O₂ mw: 230.27

SYN: 1H-PYRIDO(3,4-B)INDOLE-3-CARBOXYLIC ACID, 2,3,4,9-TETRAHYDRO-1-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 2 µLg/plate/0.3H FCTOD7 38,7,2000

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

MPO390 CAS: 101607-49-2 HR: 2
7-METHYL-1,2,3,4-TETRAHYDRODIBENZ(c,h)-ACRIDINE

mf: C₂₂H₁₉N mw: 297.42

SYN: 10-METHYL-1,2-TETRAHYDRO-1,2,7,8-BENZACRIDINE

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

MPO400 CAS: 101607-48-1 HR: 2
14-METHYL-8,9,10,11-TETRAHYDRODIBENZ-(a,h)ACRIDINE

mf: C₂₂H₁₉N mw: 297.42

SYN: 10-METHYL-1,2-TETRAHYDRO-1,2,5,6-BENZACRIDINE

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

MPO500 CAS: 96-47-9 HR: 3
METHYLTETRAHYDROFURAN

mf: C₅H₁₀O mw: 86.15

PROP: Liquid; ether-like odor. Bp: 80°, flash p: 12°F, d: 0.853 @ 20°/4°, vap d: 2.97.

SYN: 2-METHYLTETRAHYDROFURAN (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,138,72

ihl-rat LC50:6000 ppm/4H 34ZIAG -,395,69

skn-rbt LD50:4500 mg/kg 34ZIAG -,395,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by inhalation and skin contact. An eye irritant. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits acid smoke and irritating fumes.

MPO750 CAS: 53112-33-7 HR: 3
N-METHYL-1,2,3,4-TETRAHYDROISOUQUINOL-INE HYDROCHLORIDE

mf: C₁₀H₁₃N•ClH mw: 183.70

PROP: A solid. Mp: 228°.

SYN: MTIQ

TOXICITY DATA with REFERENCE:

ipr-mus LD50:131 µg/kg JPETAB 209,79,78

par-mus LDLo:145 mg/kg JPETAB 62,165,38

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

MPO800 CAS: 22056-53-7 HR: 3
METHYL 1,4,5,6-TETRAHYDRO-2-METHYL-CYCLOPENTA(b)PYRROL-3-YL KETONE

mf: C₁₀H₁₃NO mw: 163.24

SYN: KETONE, METHYL 1,4,5,6-TETRAHYDRO-2-METHYL-CYCLOPENTA(b)PYRROL-3-YL

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg JMCMA 11,1251,68

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MPP000 CAS: 26590-20-5 HR: 2
METHYLTETRAHYDROPHTHALIC ANHYDRIDE

mf: C₉H₁₀O₃ mw: 166.19

SYNS: AC 220 □ AC 220J □ 1,3-ISOBENZOFURANDIONE, 3a,4,7,7a-TETRAHYDROMETHYL- □ LINDRIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2140 mg/kg AIHAAP 30,470,69

skn-rbt LDLo:1410 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPP250 CAS: 28839-49-8 HR: D
N-METHYL-3,4,5,6-TETRAHYDROPHthalimide

mf: C₉H₁₁NO₂ mw: 165.21

SYNS: N-METHYL-1-CYCLOPHENE-1,2-DICARBOXIMIDE □ 3,4,5,6-TETRAHYDRO-N-METHYLPHthalimide

SAFETY PROFILE: An experimental teratogen.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

MPP300 CAS: 268541-34-0 HR: 3
2-METHYL-1,2,3,4-TETRAHYDROQUINOLINE-5-METHANOL

mf: C₁₁H₁₅NO mw: 177.25

SYN: 5-QUINOLINEMETHANOL, 1,2,3,4-TETRAHYDRO-2-METHYL-

TOXICITY DATA with REFERENCE:

ice-rat TDLo:100 µg/kg FRMCE8 55,47,2000

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

MPP750 CAS: 3655-88-7 HR: 3
N-METHYL-TETRAHYDROTHIAMIDINTHIONE ACETIC ACID

mf: C₆H₁₀N₂O₂S₂ mw: 206.30

SYNS: 5-CARBOXYMETHYL-3-METHYL-2H-1,3,5-THIADIAZINE-2-THIONE □ 5-METHYL-6-THIOXOTETRAHYDRO-3-THIADIAZINEACETIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg FMCHA2 -,D303,80

ipr-rat LD50:300 mg/kg 31ZOAD 1,71,68

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

MPQ250 CAS: 13183-79-4 HR: 3
1-METHYL-1H-TETRAZOLE-5-THIOL

mf: C₂H₄N₄S mw: 116.16

PROP: IDLH 2500 mg/m³.

SYN: 1-METHYL-5-MERCAPTO-1,2,3,4-TETRAZOLE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:400 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFIDES.

MPQ500 CAS: 22885-98-9 HR: 2
α-METHYL TETRONIC ACID

mf: C₅H₆O₃ mw: 114.11

PROP: Crystals. Mp: 115°.

SYN: 4-HYDROXY-5-METHYL-2(5H)-FURANONE

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

MPQ750 CAS: 144-82-1 HR: 2
N¹-(5-METHYL-1,3,4-THIADIAZOL-2-YL)-SULFANILAMIDE

mf: C₉H₁₀N₄O₂S₂ mw: 270.35

PROP: Crystals from H₂O. Mp: 208–211°. Spar sol in hot H₂O.

SYNS: 2-(p-AMINO BENZENESULFONAMIDO)-5-METHYLTHIADIAZOLE □ BENZENESULFONAMIDE, 4-AMINO-N-(5-METHYL-1,3,4-THIADIAZOL-2-YL)- □ LUCOSIL □ 5-METHYL-2-SULFANILAMIDO-1,3,4-THIADIAZOLE □ N¹-(5-METHYL-1,3,4-THIADIAZOL-2-YL)-SULFANILAMIDE □ MICRO-SUL □ RP 2145 □ RUFOLO □ SULFAMETHIZOL □ SULFAMETHIZOLE □ SULFAMETHYLIZOLE □ SULFAMETHYLTHIADIAZOLE □ 2-SULFANILAMIDO-5-METHYL-1,3,4-THIADIAZOLE □ SULFSTAT □ SULFURINE □ SULPHAMETHI-ZOLE □ TETRACID □ THIDICUR □ THIOSULFIL □ ULTRASUL □ UROCYDAL □ URODIATON □ UROLUCOSIL □ UTRASUL

TOXICITY DATA with REFERENCE:

sln-mold-asn 1 g/L MUREAV 26,159,74

orl-rat LD50:3500 mg/kg YKKZAJ 83,778,63

scu-mus LD50:1210 mg/kg 29ZVAB -,111,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPQ900 CAS: 1128-05-8 HR: 3
METHYL 3-THIANAPHTHENYL KETONE

mf: C₁₀H₈OS mw: 176.24

TOXICITY DATA with REFERENCE:

par-mus LDLo:400 mg/kg CBCCT* 7,690,55

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MPR000 CAS: 24050-16-6 HR: 3
2-METHYLTHIAZOLIDINE

mf: C₄H₉NS mw: 103.20

SYN: METHYL-2-THIAZOLIDINE (FRENCH)

TOXICITY DATA with REFERENCE:

mno-sat 100 mg/L JAFCAU 28,62,80

ipr-mus LD50:250 mg/kg CHTPBA 5,312,70

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

MPR250 CAS: 65400-79-5 HR: 3
N-(3-METHYL-2-THIAZOLIDINYLDENE)-NICOTINAMIDE

mf: C₁₀H₁₁N₃OS mw: 221.30

TOXICITY DATA with REFERENCE:

orl-mus LD50:570 mg/kg JMCMA 23,773,80

ivn-mus LD50:279 mg/kg JMCMA 23,773,80

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

MPR300 CAS: 13679-74-8 HR: 3
METHYLTHIENYLKETONEmf: C₇H₈OS mw: 140.21**SYNS:** ETHANONE, 1-(5-METHYL-2-THIENYL)- □ KETONE, METHYL 5-METHYL-2-THIENYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:230 mg/kg APFRAD 5,16,47

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of SO_x.**MPS250 CAS: 16960-39-7 HR: 3**
METHYLTHIOACETALDEHYDE-o-(CARBAMOYL)OXIMEmf: C₄H₈N₂O₂S mw: 148.20**SYNS:** N-((AMINOCARBONYL)OXY)ETHANIMIDOTHIOIC ACID, METHYL ESTER □ DU PONT INSECTICIDE 1642 □ EI-1642 □ ENT 27,411 □ METHYL N-(CARBAMOYLOXY)-THIOACETIMIDATE □ NSC-191001**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:60 mg/kg 28ZEAL 5,104,76

skn-rbt LDLo:3400 mg/kg 28ZEAL 5,104,76

SAFETY PROFILE: Poison by ingestion. Moderately toxic by skin contact. Used as an insecticide. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also ALDEHYDES.**MPS270 CAS: 13749-94-5 HR: 2**
1-(METHYLTHIO)ACETALDOXIMEmf: C₃H₇NOS mw: 105.17**SYNS:** ACETOHYDROXIMIC ACID, THIO-, METHYL ESTER □ ETHANIMIDOTHIOIC ACID, N-HYDROXY-, METHYL ESTER □ METHYL N-HYDROXYACETIMIDOTHIOATE □ METHYL N-HYDROXYETHANIMIDOTHIOATE □ 1-(METHYLTHIO)-ACETALDEHYDE OXIME □ METHYL THIOACETO-HYDROXAMATE**TOXICITY DATA with REFERENCE:**

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

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.**MPS300 CAS: 77430-23-0 HR: 2**
METHYL(THIOACETAMIDO) MERCURYmf: C₃H₇HgNS mw: 289.76**TOXICITY DATA with REFERENCE:**

skn-hmn TDLo:23 mg/kg NEURAI 14,69,64

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:** Human systemic effects by skin contact. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Hg.**MPS500 CAS: 7152-24-1 HR: 3**
2-METHYLTHIOBENZIMIDAZOLEmf: C₈H₈N₂S mw: 164.24**PROP:** A solid. Mp: 201°.**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:100 mg/kg CSLNX* NX#04989

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**MPS600 CAS: 23611-64-5 HR: 3**
6-METHYL-2-THIO-2H-1,3-BENZOXAZINE-2,4(3H)-DIONEmf: C₉H₇NO₂S mw: 193.23**SYN:** 2H-1,3-BENZOXAZINE-2,4(3H)-DIONE, 6-METHYL-2-THIO-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:200 mg/kg USXXAM #3595959

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MPT000 CAS: 556-64-9 HR: 3**
METHYL THIOCYANATEmf: C₂H₃NS mw: 73.12**PROP:** Liquid. D: 1.068 @ 20°, mp: -51°, bp: 130-133°. Very sltly sol in water; misc in alc and ether.**SYNS:** METHYL RHODANID (GERMAN) □ METHYL SULFOCYANATE □ METHYLTHIOKYNAT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:60 mg/kg 85JCAE -,1036,86

ipr-mus LD50:23 mg/kg PCBPBS 2,95,72

ivn-mus LD50:18 mg/kg CSLNX* NX#02864

orl-cat LDLo:8500 µg/kg MEIEDD 11,963,89

scu-rbt LDLo:20 mg/kg AEPPAE 150,257,30

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** Poison by ingestion, intravenous, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also THIOCYANATES.**MPT100 HR: D**
17-β-(METHYLTHIO)ESTRA-1,3,5(10)-TRIEN-3-OLmf: C₁₉H₂₆OS mw: 302.51**TOXICITY DATA with REFERENCE:**

unr-rat TDLo:7500 µg/kg (female 1D post):REP

85GRAA -,111,65

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x.**MPT250 CAS: 4836-09-3 HR: 2**
2-METHYLTHIOETHYL ACRYLATE

mf: C₆H₁₀O₂S mw: 146.22**SYNS:** ACRYLIC ACID METHYLTHIOETHYL ESTER □

ACRYLIC ACID-2-(METHYLTHIO)ETHYL ESTER □ 2-

(METHYLTHIO)ETHANOL ACRYLATE □ 2-PROPENOIC ACID-2-(METHYLTHIO)ETHYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62

orl-rat LD50:1230 mg/kg AIHAAP 23,95,62

orl-mus LD50:3730 mg/kg 85GMAT -,87,82

skn-rbt LD50:1490 mg/kg AIHAAP 23,95,62

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits toxic fumes of SO_x. See also ESTERS and ACRYLIC ACID.**MPT300 CAS: 17719-22-1 HR: 3
2-(2-METHYLTHIOETHYLAMINO)ETHYL-
GUANIDINE SULFATE**mf: C₆H₁₆N₄S•1/2H₂O₄S mw: 225.33**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1850 mg/kg JMCMA 11,848,68

orl-mus LD50:1200 mg/kg JMCMA 11,848,68

ivn-mus LD50:93 mg/kg JMCMA 11,848,68

SAFETY PROFILE: Poison by intravenous route.Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also SULFATES.**MPT500 CAS: 834-12-8 HR: 2
2-METHYLTHIO-4-ETHYLAMINO-6-ISOPROPYL-
AMINO-s-TRIAZINE**mf: C₉H₁₇N₅S mw: 227.37**PROP:** Crystals from pet ether. Mp: 84–86°. Spar sol in H₂O.**SYNS:** 2-ETHYLAMINO-4-ISOPROPYLAMINO-6-METHYL-MERCARPO-s-TRIAZINE □ 2-ETHYLAMINO-4-ISOPROPYL-AMINO-6-METHYLTHIO-s-TRIAZINE □ 2-ETHYLAMINO-4-ISOPROPYLAMINO-6-METHYLTHIO-1,3,5-TRIAZINE □ 2-METHYLMERCAPTO-4-ETHYLAMINO-6-ISOPROPYLAMINO-s-TRIAZINE □ 2-METHYLMERCAPTO-4-ISOPROPYLAMINO-6-ETHYLAMINO-s-TRIAZINE**TOXICITY DATA with REFERENCE:**

eye-rbt 76 mg MLD CIGET* -,77

orl-rat LD50:508 mg/kg FAATDF 7,299,86

orl-mus LD50:965 mg/kg PCOC* -,29,66

skn-rbt LD50:8160 mg/kg 85DPAN -,71/76

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by skin contact. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**MPT600 CAS: 62700-64-5 HR: 3
2-METHYLTHIO-6-HYDROXY-8-THIAPURINE**mf: C₅H₄N₄OS₂ mw: 200.25**SYNS:** 5-METHYLTHIO-(1,2,5)THIADIAZOLO(3,4-D)PYRIMIDIN-7(6H)-ONE □ (1,2,5)THIADIAZOLO(3,4-D)PYRIMIDIN-7(6H)-ONE, 5-METHYLTHIO-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:380 mg/kg KHFZAN 11(2),82,77

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MPU000 CAS: 342-69-8 HR: 3
METHYLTHIOINOSINE**mf: C₁₁H₁₄N₄O₄S mw: 298.35**PROP:** Crystals from EtOH. Mp: 165–167°.**SYNS:** 6-METHYLMERCAPTOPURINE RIBONUCLEOSIDE □ 6-METHYLMERCAPTOPURINE RIBOSIDE □ 6-METHYL-9-RIBOFURANOSYLPURINE-6-THIOL □ 6-METHYL-MP-RIBOSIDE □ 6-METHYLTHIOINOSINE □ 6-(METHYLTHIO)-PURINE RIBONUCLEOSIDE □ 6-METHYLTHIOPURINE RIBOSIDE □ NCI-C04784 □ NSC-40774 □ β-d-RIBOSYL-6-METHYLTHIOPURINE □ SQ 21977**TOXICITY DATA with REFERENCE:**

dni-mus:lym 2 µmol/L CNREA8 44,2272,84

oms-mus:lym 3 µmol/L CNREA8 43,1587,83

ipr-rat TDLo:65 mg/kg (11D preg):TER ARPAAQ 86,395,68

ipr-rat TDLo:44 mg/kg/7W-I:ETA CANCAR 40(Suppl 4),1935,77

ipr-rat LD50:65 mg/kg ARPAAQ 86,395,68

ipr-rat LD50:137 mg/kg NCISP* JAN86

CONSENSUS REPORTS: NCI Carcinogenesis Studies (ipr); Equivocal Evidence: mouse CANCAR 40,1935,77; (ipr); No Evidence: rat CANCAR 40,1935,77.**SAFETY PROFILE:** Poison by intraperitoneal route. Experimental teratogenic effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**MPU250 CAS: 34681-10-2 HR: 3
3-(METHYLTHIO)-o-((METHYLAMINO)-
CARBONYL)OXIME-2-BUTANONE**mf: C₇H₁₄N₂O₂S mw: 190.29**SYNS:** AFILINE □ BUTOCARBOXIM (GERMAN) □ DRAWIN 755 □ 2-METHYLTHIO-o-(N-METHYLCARBAMOYL)-BUTANONOXIM-3 (GERMAN)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:153 mg/kg 85DPAN -,71/76

skn-rbt LD50:360 mg/kg FMCHA2 -,C39,83

SAFETY PROFILE: Poison by ingestion and skin contact. Used as an insecticide. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**MPU500 CAS: 66104-23-2 HR: 3
8-β-((METHYLTHIO)METHYL)-6-PROPYLER-
GOLINE METHANESULFONATE**mf: C₁₉H₂₅N₂S•CH₄O₃S mw: 409.63**PROP:** Crystals. Mp: 225° (decomp).**SYNS:** MPE □ PERGOLIDE MESYLATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:15 mg/kg TXAPA9 48,A95,79

orl-mus LD50:54 mg/kg TXAPA9 48,A95,79

ipr-mus LD50:100 mg/kg JMCMA 26,522,83

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also SULFONATES.**MPU600 CAS: 66637-32-9 HR: 3
3-METHYL-2,5-THIOMORPHOLINEDIONE 2-(o-
((METHYLAMINO)CARBONYL)OXIME)**mf: C₇H₁₁N₃O₃S mw: 217.27

SYNS: 2-(o-(METHYLCARBAMOYL)OXIMINO)-3-METHYL-TETRAHYDRO-1,4-THIAZIN-5-ONE □ 2,5-THIOMORPHOLINE-DIONE, 3-METHYL-, 2-(o-((METHYLAMINO)CARBONYL)-OXIME)

TOXICITY DATA with REFERENCE:

orl-rat LD50:5660 µg/kg USXXAM #4071627

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

MPV000 CAS: 554-14-3 HR: 3
2-METHYLTHIOPHENE
 mf: C₅H₆S mw: 98.17



PROP: Oil. D: 1.022 @ 20°/4°, bp: 110–112°, flash p: 46.4°F.

TOXICITY DATA with REFERENCE:

orl-rat LD50:3200 mg/kg 85GMAT -,87,82

ipr-rat LD50:1 g/kg 85GMAT -,87,82

orl-mus LD50:1460 mg/kg 85GMAT -,87,82

ihl-mus LC50:11,500 mg/m³/2H 85GMAT -,87,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. A very dangerous fire hazard when exposed to heat or flame. Ignites on contact with nitric acid. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES.

MPV250 CAS: 616-44-4 HR: 2
3-METHYLTHIOPHENE
 mf: C₅H₆S mw: 98.17

PROP: D: 1.025 @ 20°, mp: -69°, bp: 115°.

SYN: 3-THIOTOLENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1800 mg/kg 85GMAT -,87,82

ihl-mus LC50:18 g/m³/2H 85GMAT -,87,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Mildly toxic by inhalation. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES.

MPV300 CAS: 1073-72-9 HR: 3
4-(METHYLTHIO)PHENOL
 mf: C₇H₈OS mw: 140.21

SYNS: 4-METHYLMERCAPTOPHENOL □ p-(METHYLTHIO)-PHENOL □ PHENOL, p-(METHYLTHIO)-

TOXICITY DATA with REFERENCE:

ice-mus LD50:60 mg/kg PCBPBS 8,302,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPV400 CAS: 3268-49-3 HR: 2
3-(METHYLTHIO)PROPIONALDEHYDE
DOT: UN 2785
 mf: C₄H₈OS mw: 104.18

SYNS: METHIONAL □ β-(METHYLMERCAPTO)PROPION-ALDEHYDE □ 3-(METHYLMERCAPTO)PROPIONALDEHYDE □ METHYLMERCAPTOPROPIONIC ALDEHYDE □ 3-(METHYLTHIO)PROPANAL □ β-(METHYLTHIO)PROPION-ALDEHYDE □ PROPANAL, 3-(METHYLTHIO)-(9CI) □ PROPIONALDEHYDE, 3-(METHYLTHIO)- □ THIA-4-PENTANAL (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:4400 mg/kg GISAAA 49(1),85,84

ihl-rat LC50:5820 mg/m³/4H GISAAA 49(1),85,84

orl-mus LD50:1620 mg/kg GISAAA 49(1),85,84

ihl-mus LC50:5400 mg/m³/2H GISAAA 49(1),85,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

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

MPV750 CAS: 14527-26-5 HR: 3
METHYL THIOPSEUDOUREA SULFATE
 mf: C₂H₆N₂S•H₂O₄S mw: 188.24

SYNS: S-METHYLISOTHIOUREA SULFATE (1:1) □ 2-METHYL-ISOTHIOURONUM SULFATE □ S-METHYLPSEUDO-THIOUREA SULFATE □ METHYL THIOPSEUDOUREA SULFATE □ 2-METHYL-2-THIOPSEUDOUREA SULFATE □ S-METHYLTHIOUREA SULFATE □ S-METHYLTHIURONUM SULFATE □ CARBAMIMIDOTHIOIC ACID, METHYL ESTER, SULFATE (1:1) □ PSEUDOUREA, 2-METHYL-2-THIO-, SULFATE (1:1) □ USAF EK-1231

TOXICITY DATA with REFERENCE:

orl-rat LD50:800 mg/kg JPETAB 90,260,47

ivn-mus LD50:180 mg/kg CSLNX* NX#05644

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPV790 CAS: 2260-00-6 HR: 3
2-METHYL-2-THIOPSEUDOUREA SULFATE
 mf: C₂H₆N₂S•xH₂O₄S mw: 776.72

SYNS: CARBAMIMIDOTHIOIC ACID, METHYL ESTER, SULFATE (9CI) □ S-METHYLISOTHIURONUM SULFATE □ S-METHYLTHIOPSEUDOUREA SULFATE □ S-METHYL-THIURONUM SULFATE □ PSEUDOUREA, 2-METHYL-2-THIO-, SULFATE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:250 mg/kg JAFCAU 2,1176,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPV800 HR: 3
2-METHYL-2-THIOPSEUDOUREA SULFATE
(1:1) SODIUM SALT

mf: C₂H₆N₂S•O₄S•7Na mw: 347.15

TOXICITY DATA with REFERENCE:

orl-rat LDLo:400 mg/kg ARPAAQ 37,253,44

ivn-rat LDLo:200 mg/kg ARPAAQ 37,253,44

ivn-rbt LDLo:50 mg/kg ARPAAQ 37,253,44

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Na₂O. See also METHYL THIOPSEUDOUREA SULFATE.

MPW500 CAS: 56-04-2 HR: 3
6-METHYLTHIOURACIL

mf: C₅H₆N₂OS mw: 142.19

PROP: Bitter crystals or colorless liquid; odor of onions. Prisms from water. Mp: 326–331° (decomp), sublimes readily. Very sltly sol in ether, cold water, alkaline hydroxides, NH₃; sltly sol in alc, acetone; almost insol in benzene, chloroform.

SYNS: ALKIRON □ ANTIBASON □ BASECIL □ BASETHYRIN □ 2,3-DIHYDRO-6-METHYL-2-THIOXO-4(1H)-PYRIMIDINONE □ 2-MERCAPTO-4-HYDROXY-6-METHYLPYRIMIDINE □ 2-MERCAPTO-6-METHYLPYRIMID-4-ONE □ 2-MERCAPTO-6-METHYL-4-PYRIMIDONE □ METACIL □ METHIACIL □ METHIIOCIL □ 6-METHYL-2-THIO-2,4-(1H3H)PYRIMIDINEDI-ONE □ METHYLTHIOURACIL □ 4-METHYL-2-THIOURACIL □ 6-METHYL-2-THIOURACIL □ 4-METHYLURACIL □ 6-METIL-TIOURACILE (ITALIAN) □ MTU □ MURACIL □ ORCANON □ PROSTRUMYL □ RCRA WASTE NUMBER U164 □ STRUMACIL □ THIMECIL □ THIOMECIL □ 2-THIO-6-METHYL-1,3-PYRIMIDIN-4-ONE □ 6-THIO-4-METHYLURACIL □ THIOMIDIL □ 2-THIO-4-OXO-6-METHYL-1,3-PYRIMIDINE □ THIORYL □ THIOETHYMIN □ THIOETHYRON □ THIURYL □ THYREO-NORM □ THYREOSTAT □ THYRIL □ TIOMERACIL □ TIOURALE M □ TIOTIRON □ USAF EK-6454

TOXICITY DATA with REFERENCE:

orl-rat TDLo:9100 mg/kg/2Y-C:CAR CNREA8 19,870,59

orl-mus TDLo:196 g/kg/1Y-C:NEO CANCAR 40,2188,77

orl-rat LD50:2790 mg/kg FSTEAI 7,313,52

ipr-rat LD50:920 mg/kg FRPSAX 13,882,58

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

orl-rbt LDLo:2500 mg/kg MEIEDD 10,877,83

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 7,53,74. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, neoplastigenic, tumorigenic, and teratogenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. Human teratogenic and reproductive effects by an unspecified route: developmental abnormalities of the endocrine system and effects on newborn including neonatal measures or effects. Experimental reproductive effects. Used to treat hyperthyroidism. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MPW600 CAS: 598-52-7 HR: 3
METHYL THIOUREA

mf: C₂H₆N₂S mw: 90.16

PROP: Prisms from EtOH. Mp: 120.5–121°. Sol in H₂O.

SYNS: 1-METHYLTHIOUREA □ UREA, 1-METHYL-2-THIO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:50 mg/kg JPETAB 90,260,47

ipr-rat LD50:1850 mg/kg THERAP 35,409,80

orl-mus LDLo:2000 mg/kg TJADAB 23,335,81

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. An experimental teratogen. When heated to decomposition it emits toxic fumes of SO_x.

MPW650 CAS: 1076-56-8 HR: 2
METHYL THYMOL ETHER

mf: C₁₁H₁₆O mw: 164.27

SYNS: ANISOLE, 2-ISOPROPYL-5-METHYL- □ O-METHYLTHYMOL □ METHYL THYMYL ETHER □ THYMOL METHYL ETHER □ THYMYL METHYL ETHER

TOXICITY DATA with REFERENCE:

ivn-dog LDLo:1850 mg/kg THERAP 3,109,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPW700 CAS: 6622-76-0 HR: 1
METHYL TIGLATE

mf: C₆H₁₀O₂ mw: 114.16

SYNS: 2-BUTENOIC ACID, 2-METHYL-, METHYL ESTER, (E)- □ CROTONIC ACID, 2-METHYL-, METHYL ESTER, (E)-(8CI) □ METHYL α-METHYLCROTONATE □ METHYL (E)-2-METHYLCROTONATE □ METHYL trans-2-METHYLCROTONATE □ TIGLIC ACID, METHYL ESTER (6CI,7CI)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5 g/kg FCTOD7 26,387,88

skn-rbt LDLo:5 g/kg FCTOD7 26,387,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPX850 CAS: 99-75-2 HR: 2
METHYL-4-TOLUATE

mf: C₉H₁₀O₂ mw: 150.19

PROP: Crystals with intense unpleasant odor from MeOH (aq). Mp: 33°, bp: 217°.

SYNS: p-CARBOMETHOXYTOLUENE □ METHYL-p-METHYLBENZOATE □ METHYL-4-METHYLBENZOATE □ METHYL-p-TOLUATE □ MPT

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,873,79

orl-rat LD50:3300 mg/kg FCTXAV 17,873,79

orl-mus LD50:3800 mg/kg 85GMAT -,87,82

ipr-mus LD50:1250 mg/kg 85GMAT -,87,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPY000 CAS: 2058-62-0 HR: 2
N-METHYL-p-(m-TOLYLAZO)ANILINE

mf: C₁₄H₁₅N₃ mw: 225.32

SYNS: N-METHYL-3'-METHYL-p-AMINOAZOBENZENE □ N-METHYL-3'-METHYL-4-AMINOAZOBENZENE □ 3'-METHYL-4-MONOMETHYLAMINOAZOBENZENE

TOXICITY DATA with REFERENCE:

mmo-sat 1 µmol/plate CRNGDP 1,121,80
 dns-rat:ivr 1 µmol/L CNREA8 46,1654,86

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

MPY250 CAS: 17018-24-5 HR: 2
N-METHYL-p-(o-TOLYLAZO)ANILINE

mf: C₁₄H₁₅N₃ mw: 225.32

SYNS: N-METHYL-2'-METHYL-p-AMINOAZOBENZENE □ N-METHYL-2'-METHYL-4-AMINOAZOBENZENE

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

MPY500 CAS: 28149-22-6 HR: 2
N-METHYL-p-(p-TOLYLAZO)ANILINE

mf: C₁₄H₁₅N₃ mw: 225.32

SYNS: N-METHYL-4'-METHYL-p-AMINOAZOBENZENE □ N-METHYL-4'-METHYL-4-AMINOAZOBENZENE

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

MPY750 CAS: 2298-13-7 HR: D
2-METHYL-4-((o-TOLYL)AZOANILINE) HYDROCHLORIDE

mf: C₁₄H₁₅N₃•ClH mw: 261.78

SYNS: AZOENE FAST GARNET GBCP SALT □ AZOIC DIAZO COMPONENT 4 □ BENZENEAMINE, 2-METHYL-4-((2-METHYLPHENYL)AZO)-, MONOHYDROCHLORIDE □ BORDEAUX SALT CIBA II □ BORDEAUX SALT IRGA II □ BRENTAMINE FAST GARNET GBC SALT □ C.I. 37210 □ C.I. SOLVENT YELLOW 3 MONOHYDROCHLORIDE □ DEVOL GARNET GB SALT □ DIAZO FAST GARNET GBC □ FAST GARNET GBC □ FAST GARNET SALT GBC □ HILTOSAL FAST GARNET GBC SALT □ HINDAMINE GARNET GBC □ MITSUI GARNET GBC SALT □ SPECTROLENE GARNET G

TOXICITY DATA with REFERENCE:

mma-sat 500 µg/plate MUREAV 56,249,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MPZ000 CAS: 100733-36-6 HR: 3
8-METHYL-3-(α-(o-TOLYL)BENZYLOXY)-TROPANIUM IODIDE

mf: C₂₃H₃₀NO•I mw: 463.44

TOXICITY DATA with REFERENCE:

orl-mus LD50:750 mg/kg ARZNAD 14,964,64

ivn-mus LD50:3500 µg/kg ARZNAD 14,964,64

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

MQA000 CAS: 50838-36-3 HR: 3

N-METHYL-N-(m-TOLYL)CARBAMOTHIOIC ACID-(1,2,3,4-TETRAHYDRO-1,4-METHANONAPHTHALEN-6-YL) ESTER

mf: C₂₀H₂₁NOS mw: 323.48

PROP: A solid. Mp: 92–94°.

SYNS: KC 9147 □ o-(1,4-METHANO-1,2,3,4-TETRAHYDRO-6-NAPHTHYL)-N-METHYL-N-(m-TOLYL)-THIOCARBAMATE □ o-(1,2,3,4-TETRAHYDRO-1,4-METHANONAPHTHALEN-6-YL)-m,N-DIMETHYL-THIO-CARBANILATE □ 1,2,3,4-TETRAHYDRO-1,4-METHANONAPHTHALEN-6-YL N-METHYL-N-(m-TOLYL)-CARBAMOTHIOATE □ o-(5,6,7,8-TETRAHYDRO-5,8-METHANO-2-NAPHTHYL)-N-METHYL-N-(m-METHYLPHENYL)THIO-CARBAMATE □ TOLCICLATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:6000 mg/kg DRFUD4 1,543,76

ivn-rat LD50:151 mg/kg KSRNAM 15,2399,81

orl-mus LD50:4000 mg/kg DRFUD4 1,543,76

ivn-mus LD50:80,200 µg/kg KSRNAM 15,2399,81

ivn-dog LD50:124 mg/kg KSRNAM 15,2399,81

ivn-rbt LD50:94,800 µg/kg KSRNAM 15,2399,81

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also ESTERS and CARBAMATES.

MQB100 CAS: 20064-41-9 HR: 3
3-METHYL-5-(p-TOLYLSULFONYL)-1,2,4-THIA DIAZOLE

mf: C₁₀H₁₀N₂O₂S₂ mw: 254.34

TOXICITY DATA with REFERENCE:

eye-rbt 200 mg/1M YKKZAJ 88,1437,68

ivn-rat LD50:340 mg/kg YKKZAJ 88,1437,68

orl-mus LD50:1622 mg/kg YKKZAJ 88,1437,68

ipr-mus LD50:97,900 µg/kg YKKZAJ 88,1437,68

scu-mus LD50:107 mg/kg YKKZAJ 88,1437,68

ivn-mus LD50:229 mg/kg YKKZAJ 88,1437,68

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

MQB250 CAS: 21124-13-0 HR: 3
3-METHYL-1-(p-TOLYL)-TRIAZENE

mf: C₇H₁₁N₃ mw: 137.21

PROP: Needles from hexane. Mp: 80.5–81.5°.

SYN: 3-METHYL-1-(4-METHYLPHENYL)TRIAZENE

TOXICITY DATA with REFERENCE:

mmo-sat 100 µmol/L CNREA8 42,1446,82

orl-rat LD50:380,900 µg/kg NEOLA4 25,153,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQB500 CAS: 4253-34-3 HR: 2
METHYLTRIACETOXYLANE

mf: C₇H₁₂O₆Si mw: 220.28

PROP: A solid. D: 1.17 @ 25°/4°, mp: 40.5°.

TOXICITY DATA with REFERENCE:

orl-rat LD50:2060 mg/kg MarJV# 29MAR77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQB750 CAS: 3413-72-7 HR: 2
5-(3-METHYL-1-TRIAZENO)IMIDAZOLE-4-CARBOXAMIDE

mf: C₅H₈N₆O mw: 168.19

SYNS: MTIC □ NSC-407347

TOXICITY DATA with REFERENCE:

mmo-sat 100 µg/plate CRNGDP 3,467,82

dnd-hmn:oth 100 µmol/L CRNGDP 7,259,86

orl-rat TDLo:4450 mg/kg/14W-C:CAR JNCIAM 54,951,75

ipr-mus LD50:775 mg/kg GANNA2 59,207,68

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

MQC000 CAS: 41814-78-2 HR: 3
5-METHYL-1,2,4-TRIAZOLE(3,4-b)BENZO-THIAZOLE

mf: C₉H₇N₃S mw: 189.25

PROP: Crystals or solid. Mp: 187–188°. Sol in Me₂CO, CHCl₃, MeOH, and EtOH; spar sol in H₂O.

SYNS: BEAM □ BIM □ EL-291 □ 5-METHYL-s-TRIAZOLO(3,4-b)BENZOTHIAZOLE □ TRICYCLAZOLE □ TRICYCLAZONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:250 mg/kg 85ARAE 4,120,76

orl-mus LD50:250 mg/kg FMCHA2 -,C243,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQC150 CAS: 598-99-2 HR: 3
METHYL TRICHLOROACETATE

mf: C₃H₃Cl₃O₂ mw: 177.41

PROP: Bp: 153.8°.

SAFETY PROFILE: Reacts violently with trimethylamine when heated. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORIDES.

MQC250 CAS: 63991-43-5 HR: 1
N-METHYL-2,4,5-TRICHLOROBENZENE-SULFONAMIDE

mf: C₇H₆Cl₃NO₂S mw: 274.55

SYN: METHYLAMID KYSELINY-2,4-5-TRICHLOROBENZEN-SULFONOVE (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,199,72

eye-rbt 500 mg/24H MLD 28ZPAK -,199,72

orl-rat LD50:5100 mg/kg 28ZPAK -,199,72

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

MQC300 CAS: 55391-23-6 HR: 3
2-((N-METHYL-N-TRICHLOROMETHANE-SULFENYL)CARBAMOYLOXIMINO)-1,4-DITHIANE

mf: C₇H₉Cl₃N₂O₂S₃ mw: 355.71

SYN: 1,4-DITHIAN-2-ONE, o-

((METHYL((TRICHLOROMETHYL)THIO)AMINO)CARBONYL)OXIME

TOXICITY DATA with REFERENCE:

orl-rat LD50:149 mg/kg USXXAM #3992549

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

MQC320 CAS: 55391-24-7 HR: 3
4-((N-METHYL-N-TRICHLOROMETHANE-SULFENYL)CARBAMOYLOXIMINO)-1,3-DITHIOLANE

mf: C₆H₇Cl₃N₂O₂S₃ mw: 341.68

SYN: 1,3-DITHIOLAN-4-ONE, o-((METHYL((TRICHLOROMETHYL)THIO)AMINO)CARBONYL)OXIME

TOXICITY DATA with REFERENCE:

orl-rat LD50:75 mg/kg USXXAM #3992549

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

MQC400 CAS: 53194-52-8 HR: D
METHYLTRICHLOROPLATINATE(2-)

mf: CH₃Cl₃Pt mw: 316.48

SYN: PLATINATE (2-), METHYLTRICHLORO-

TOXICITY DATA with REFERENCE:

msc-ham-ovr 15 µmol/L JESEDU 13,707,1978

ACGIH TLV: TWA 0.002 mg(Pt)/m³

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

MQC500 CAS: 75-79-6 HR: 3
METHYLTRICHLOROSILANE

DOT: UN 1250

mf: CH₃Cl₃Si mw: 149.48

PROP: A liquid. D: 1.27 @ 20°/4°, bp: 66°.

SYNS: METHYL-TRICHLORSILAN (CZECH) □ SILANE, TRICHLOROMETHYL- □ TRICHLOR-METHYLSILAN

TOXICITY DATA with REFERENCE:

skn-rbt 500 µL SEV JACTDZ 12,571,93

eye-rbt 5 mg/24H SEV 85JCAE -,1219,86

orl-rat LD50:1620 µL/kg JACTDZ 12,571,93

ihl-rat LC50:450 ppm/4H 85JCAE -,1219,86

ipr-rat LDLo:30 mg/kg JIDHAN 30,332,48

ihl-mus LC50:180 mg/m³/2H TPKVAL 3,23,61

skn-rbt LD50:840 µL/kg JACTDZ 12,571,93

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Corrosive

SAFETY PROFILE: Poison by inhalation and intraperitoneal routes. Moderately toxic by ingestion. A severe irritant to skin, eyes, and mucous membranes. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. When heated to decomposition it emits toxic fumes of Cl^- . See also CHLOROSILANES.

MQC750 CAS: 993-16-8 HR: 2
METHYLTRICHLOROSTANNANE

mf: $\text{CH}_3\text{Cl}_3\text{Sn}$ mw: 240.08

PROP: Crystals from pet ether or C_6H_6 or by sublimation. Mp: 53° .

SYNS: METHYLtin TRICHLORIDE □ METHYLTRICHLOROTIN □ MONOMETHYLtin TRICHLORIDE □ TRICHLOROMETHYLtin METHYLSTANNANE □ TRICHLOROMETHYLtin

TOXICITY DATA with REFERENCE:

unr-rat LD50:1370 mg/kg TIUSAD 107,1,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

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

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

SAFETY PROFILE: Moderately toxic by an unspecified route. Experimental reproductive effects. 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.

MQD000 CAS: 63041-14-5 HR: 2
1-METHYLTRICYCLOQUINAZOLINE

mf: $\text{C}_{22}\text{H}_{14}\text{N}_4$ mw: 334.40

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

MQD250 CAS: 28522-57-8 HR: 2
3-METHYLTRICYCLOQUINAZOLINE

mf: $\text{C}_{22}\text{H}_{14}\text{N}_4$ mw: 334.40

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

MQD500 CAS: 63041-15-6 HR: 2
4-METHYLTRICYCLOQUINAZOLINE

mf: $\text{C}_{22}\text{H}_{14}\text{N}_4$ mw: 334.40

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

MQD750 CAS: 2031-67-6 HR: 1
METHYLTRIETHOXSILANE

mf: $\text{C}_7\text{H}_{18}\text{O}_3\text{Si}$ mw: 178.34

PROP: A liquid. D: 0.895 @ $20^\circ/4^\circ$, bp: 144.5° .

SYNS: A 162 □ ICL-EP 5850 □ SILANE, TRIETHOXYMETHYL- □ TRIETHOXYMETHYLSILANE □

TRIETHOXSILYLMETHANE □ TSL 8123 □ UNION CARBIDE A-162

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,219,72

eye-rbt 89 mg JIHTAB 30,332,48

eye-rbt 500 mg/24H MLD 28ZPAK -,219,72

orl-rat LDLo:15,700 mg/kg 28ZPAK -,219,72

ihl-rat LCLo:4000 ppm/8H JIHTAB 30,332,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQD800 CAS: 2915-01-7 HR: 2
2-METHYL-3-(2'-TRIFLUORMETHYLPHENYL) CHINAZOLON-4 HYDROCHLORIDE

mf: $\text{C}_{16}\text{H}_{11}\text{F}_3\text{N}_2\text{O} \cdot \text{ClH}$ mw: 340.75

SYNS: CHI 38 □ 4(3H)-QUINAZOLINONE, 2-METHYL-3-(o-TRIFLUOROMETHYLPHENYL)-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1500 mg/kg ABMGJ 13,591,64

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x , HCl , and F^- .

MQE000 CAS: 31185-56-5 HR: 2
5-METHYL-2-TRIFLUOROMETHYLOX-AZOLIDINE

mf: $\text{C}_5\text{H}_8\text{F}_3\text{NO}$ mw: 155.14

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1000 mg/kg JMCMA 13,1212,70

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of F^- and NO_x . See also FLUORIDES.

MQE100 CAS: 73747-54-3 HR: 3
(α -METHYL-m-TRIFLUOROMETHYLPHEN-ETHYLAMINOMETHYL) PIPERIDINO KETONE

mf: $\text{C}_{17}\text{H}_{23}\text{F}_3\text{N}_2\text{O}$ mw: 328.42

SYN: KETONE, (α -METHYL-m-TRIFLUOROMETHYLPHEN-ETHYLAMINOMETHYL) PIPERIDINO

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg 17XKAB -,21,70

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MQF000 CAS: 3216-06-6 HR: 3
8-METHYL-3-(α -(α , α , α -TRIFLUORO-o-TOLYL)-BENZYLOXY)TROPANUM IODIDE

mf: $\text{C}_{23}\text{H}_{27}\text{F}_3\text{NO} \cdot \text{I}$ mw: 517.41

TOXICITY DATA with REFERENCE:

orl-mus LDLo:75 mg/kg ARZNAD 14,964,64

ivn-mus LDLo:2500 $\mu\text{g/kg}$ ARZNAD 14,964,64

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it

emits very toxic fumes of F^- , NO_x , and I^- . See also IODIDES and FLUORIDES.

MQF200 CAS: 3823-94-7 HR: 3
METHYL TRIFLUOROVINYL ETHER

mf: $C_3H_3F_3O$ mw: 112.05

SAFETY PROFILE: Very explosive. Upon ignition it decomposes more violently than acetylene. When heated to decomposition it emits toxic fumes of Cl^- . See also ETHERS and FLUORIDES.

MQF250 CAS: 518-82-1 HR: 3
6-METHYL-1,3,8-TRIHIDROXYANTHRA-QUINONE

mf: $C_{15}H_{10}O_5$ mw: 270.25

PROP: Red needles from acetic acid; orange or yellow brown needles from Py (aq) or MeOH. Mp: 259–260°. Insol in water; sol in alkali, alc, benzene, chloroform, ether, acetic acid.

SYNS: C.I. 75440 □ C.I. NATURAL YELLOW 14 □ EMODIN □ EMODOL □ FRANGULA EMODIN □ PERSIAN BERRY LAKE □ RHEUM EMODIN □ SCHUTT GELB □ 1,3,8-TRIHIDROXY-6-METHYL-9,10-ANTHRACENEDIONE □ 1,3,8-TRIHIDROXY-6-METHYLANTHRAQUINONE

TOXICITY DATA with REFERENCE:

mmo-sat 50 µg/plate BCSTB5 5,1489,77
 mma-sat 10 µg/plate MUREAV 125,135,84
 ipr-mus LD50:35 mg/kg JAFCAU 27,1342,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MQF300 CAS: 1916-07-0 HR: 3
METHYL 3,4,5-TRIMETHOXYBENZOATE

mf: $C_{11}H_{14}O_5$ mw: 226.25

SYNS: BENZOIC ACID, 3,4,5-TRIMETHOXY-, METHYL ESTER □ 3,4,5-TRIMETHOXYBENZOIC ACID, METHYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LD50:100 mg/kg CSLNX* NX#07253

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQF500 CAS: 1185-55-3 HR: 1
METHYLTRIMETHOXYSILANE

mf: $C_4H_{12}O_3Si$ mw: 136.25

PROP: A liquid. D: 0.949 @ 20°, bp: 103.5°.

SYNS: SILANE A-163 □ SILANE, TRIMETHOXYMETHYL- □ TRIMETHOXYMETHYLSILANE □ UNION CARBIDE A-163

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 1/17/72
 eye-rbt 500 mg/24H MOD 28ZPAK -,217,72
 orl-rat LD50:12,500 mg/kg AIHAAP 30,470,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQF750 CAS: 53597-29-8 HR: 3
(2-METHYL-2-(2-(TRIMETHYLAMMONIO)-ETHOXY)ETHYL)DIETHYLMETHYL AMMONIUM DIODIDE

mf: $C_{13}H_{32}N_2O \cdot 2I$ mw: 486.27

SYNS: (((2-(DIETHYLMETHYLAMMONIO)-1-METHYL)-ETHOXY)ETHYL)TRIMETHYLAMMONIUM DIODIDE □ N,N -DIETHYL-N-METHYL-2-(2-(TRIMETHYLAMMONIO)ETHOXY)-1-PROPANAMINIUM DIODIDE □ N,N -DIETHYL-N,N',N',N'-TETRAMETHYL-N,N'-(2-METHYL-3-OXAPENTAMETHYLENE)-BIS(AMMONIUM IODIDE) □ 2-(2-DIMETHYLAMINOETHOXY)-N,N-DIETHYLPROPYLAMINE DIMETHIODIDE □ 2-DIMETHYLAMINOETHYL 2'-DIETHYLAMINOISOPROPYL ETHER BISMETHIODIDE □ β -DIMETHYLAMINOETHYL β' -DIETHYLAMINO- α' -METHYLETHYL ETHER DIMETHIODIDE □ HL-8731 □ PLEGATIL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1125 mg/kg ARZNAD 7,616,57
 ivn-mus LD50:39 mg/kg ARZNAD 7,616,57

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and I^- . See also IODIDES.

MQG500 CAS: 4426-51-1 HR: 3
4-METHYL TRIMETHYLENE SULFITE

mf: $C_4H_8O_3S$ mw: 136.18

SYNS: 1,3-BUTANEDIOL, CYCLIC SULFITE □ NSC-60195

TOXICITY DATA with REFERENCE:

ipr-rat LD50:300 mg/kg NCISS* -,57,64
 ivn-rat LD50:300 mg/kg NCISS* -,57,64
 ipr-mus LD50:300 mg/kg NCISS* -,57,64
 ivn-mus LD50:300 mg/kg NCISS* -,57,64
 ivn-cat LD50:175 mg/kg NCISS* -,57,64

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

MQG600 CAS: 3032-55-1 HR: 2
METHYL TRIMETHYLOL METHANE TRINITRATE

mf: $C_5H_9N_3O_9$ mw: 255.17

SYNS: METRIOL TRINITRATE □ NITROPENTAGLYCERIN □ 1,3-PROPANEDIOL, 2-(HYDROXYMETHYL)-2-METHYL-, TRINITRATE (ESTER) □ 1,3-PROPANEDIOL, 2-METHYL-2-((NITROOXY)METHYL)-, DINITRATE (ESTER) □ TMETN □ TRIMETHYLOLETHANE TRINITRATE □ 1,1,1-TRIMETHYLOLETHANE TRINITRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1027 mg/kg JACTDZ 12,610,93
 orl-mus LD50:658 mg/kg JACTDZ 12,610,93
 skn-rbt LD:>2 g/kg JACTDZ 12,608,93

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

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

**MQG750 CAS: 24589-78-4 HR: 2
N-METHYL-N-TRIMETHYLSILYLTRIFLUORO-
ACETAMIDE**mf: C₆H₁₂F₃NOSi mw: 199.28**PROP:** A liquid. Bp: 131.5° @ 760 mm.**SYN:** MSTFA**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:1000 mg/kg StoGD# 27May75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**MQH000 CAS: 5137-55-3 HR: 3
METHYLTRIOCTYLAMMONIUM CHLORIDE**mf: C₂₅H₅₄N⁺Cl⁻ mw: 404.25**SYNS:** ALIQUAT 336 □ ALIQUAT 336N □ ALIQUAT 336-PTC □ N-METHYL-N,N-DIOCTYL-1-OCTANAMINIUM CHLORIDE □ METHYLTRICAPRYLYLAMMONIUM CHLORIDE □ 1-OCTANAMINIUM, N-METHYL-N,N-DIOCTYL-, CHLORIDE (9CI) □ TRICAPRYLMETHYLAMMONIUM CHLORIDE □ TRICAPRYLYLMETHYLAMMONIUM CHLORIDE □ TRIOCTYLMETHYLAMMONIUM CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:223 mg/kg AEHA** 33-3-68/71

ipr-rat LD50:6600 µg/kg AEHA** 33-3-68/71

orl-mus LD50:280 mg/kg AEHA** 33-3-68/71

ipr-mus LD50:3300 µg/kg AEHA** 33-3-68/71

ipr-gpg LDLo:10 mg/kg AEHA** 33-3-68/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x, NH₃, and Cl⁻. See also CHLORIDES.**MQH100 CAS: 22223-55-8 HR: 3
4-METHYL-2,6,7-TRIOXA-1-ARSABICYCLO-
(2.2.2)OCTANE**mf: C₅H₉AsO₃ mw: 192.06**PROP:** Prisms. Mp: 42–43°, bp: 45° @ 0.1 mm.**SYN:** 2,6,7-TRIOXA-1-ARSABICYCLO(2.2.2)OCTANE, 4-METHYL-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:24 mg/kg EJMA5 13,207,78

OSHA PEL: TWA 0.5 mg(As)/m³**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of As.**MQH250 CAS: 1949-07-1 HR: 3
1-METHYL-4-(3,3,3-TRIS(p-CHLOROPHENYL)-
PROPIONYLPIPERAZINE MONOHYDRO-
CHLORIDE**mf: C₂₆H₂₅Cl₃N₂O•ClH mw: 524.34**SYNS:** DICRODEN □ HETOLIN □ 1-(β,β,β-TRIS(p-CHLOROPHENYL)PROPIONYL)-4-METHYLPIPERAZINE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:610 mg/kg MEIEDD 11,739,89

orl-dom LDLo:200 mg/kg FAZMAE 17,108,73

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻ and NO_x.**MQH500 CAS: 57583-34-3 HR: 2
METHYLTRIS(2-ETHYLHEXYLOXYCARBONYL-
METHYLTHIO)STANNANE**mf: C₃₁H₆₀O₆S₃Sn mw: 743.78**TOXICITY DATA with REFERENCE:**

orl-rat LD50:920 mg/kg TRIPA7 -,1,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 0.1 mg(Sn)/m³ (skin)**ACGIH TLV:** TWA 0.1 mg(Sn)/m³; STEL 0.2mg(Sn)/m³ (skin).**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m³**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also TIN COMPOUNDS and CARBONYLS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Organotin Compounds 5504.**MQH750 CAS: 953-17-3 HR: 3
METHYL TRITHION**mf: C₉H₁₂ClO₂PS₃ mw: 314.81**PROP:** Light-yellow to amber liquid. D: 1.34–1.35 @ 20°/20°, mp: –18°. Very spar sol in H₂O; misc in most org solvs.**SYNS:** ((p-CHLOROPHENYL)THIO)METHANETHIOL-S-ESTER with O,O-DIMETHYL PHOSPHORODITHIOATE □ S-(((p-CHLOROPHENYL)THIO)METHYL) O,O-DIMETHYL PHOSPHORODITHIOATE □ S-(((4-CHLOROPHENYL)-THIO)METHYL) O,O-DIMETHYLPHOSPHORODITHIOATE □ DIMETHYL-p-CHLOROPHENYLTHIOMETHYL DITHIO-PHOSPHATE □ O,O-DIMETHYL-S-(p-CHLOROPHENYLTHIO-METHYL)PHOSPHORODITHIOATE □ O,O-DIMETHYL-THIOPHOSPHORIC ACID, p-CHLOROPHENYL ESTER □ ENT 25,599 □ G-29288 □ GEIGY G-29288 □ METHYLCARBOPHENO-THION □ R-1492 □ STAUFFER R-1492 □ TRI-ME**TOXICITY DATA with REFERENCE:**

orl-rat LD50:48 mg/kg ARSIM* 20,10,66

skn-rat LD50:190 mg/kg WRPCA2 9,119,70

orl-mus LD50:112 mg/kg ARSIM* 20,10,66

skn-rbt LD50:2420 mg/kg BESAAT 12,161,66

SAFETY PROFILE: Poison by ingestion and skin contact routes. A cholinesterase inhibitor type of insecticide. When heated to decomposition it emits very toxic fumes of Cl⁻, PO_x, and SO_x. See also PARATHION.**MQI000 CAS: 583-80-2 HR: 3
4-METHYL-TROPOLONE**mf: C₈H₈O₂ mw: 136.16**SYN:** 2-HYDROXY-4-METHYL-2,4,6-CYCLOHEPTATRIEN-1-ONE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:535 mg/kg JMCMA 6,755,63

scu-mus LD50:189 mg/kg NYKZAU 53,918,57

ivn-mus LD50:51 mg/kg NYKZAU 53,918,57

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

route. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MQI250 CAS: 154-06-3 HR: 2
I-5-METHYLTRYPTOPHAN

mf: $C_{12}H_{14}N_2O_2$ mw: 218.28

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

MQI500 CAS: 7361-31-1 HR: 3
dl- α -METHYL-p-TYROSINE METHYL ESTER HYDROCHLORIDE

mf: $C_{11}H_{15}NO_3 \cdot ClH$ mw: 245.73

SYN: (\pm)- α -METHYL-p-TYROSINE METHYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:400 mg/kg TXAPA9 28,227,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQI550 CAS: 110-41-8 HR: 1
2-METHYLUNDECANAL

mf: $C_{12}H_{24}O$ mw: 184.32

PROP: Colorless to sltly yellow liquid; fatty odor. D: 0.822–0.830, refr index: 1.431. Sol in alc, fixed oils, propylene glycol; insol in glycerin.

SYNS: ALDEHYDE C-12, MNA \square ALDEHYDE M.N.A. \square FEMA No. 2749 \square METHYL n-NONYL ACETALDEHYDE \square METHYL NONYL ACETIC ALDEHYDE \square METHYLNONYLACETALDEHYDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 11,485,73

skn-rbt LD50:>10 g/kg FCTXAV 11,485,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQI750 CAS: 626-48-2 HR: 2
6-METHYLURACIL

mf: $C_5H_6N_2O_2$ mw: 126.13

PROP: Crystals from glacial acetic acid or water. Mp: 311–312°. Decomp above 300°.

SYNS: 6-METHYL-2,4(1H,3H)-PYRIMIDINEDIONE \square 4-METHYLURACIL \square PSEUDOTHYMININE

TOXICITY DATA with REFERENCE:

orl-rat LD50:64,500 mg/kg LONZA# 03FEB81

orl-mam LD50:2 g/kg RPTOAN 48,186,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQJ000 CAS: 598-50-5 HR: 2
N-METHYLUREA

mf: $C_2H_6N_2O$ mw: 74.10

PROP: Crystals or prisms from H_2O or EtOH. Mp: 101°, bp: decomp, d: 1.205 @ 20°/20°. Very sol in water and alc; insol in ether.

SYNS: METHYLUREA \square 1-METHYLUREA

TOXICITY DATA with REFERENCE:

mno-bcs 5 g/L MUREAV 42,19,77

mno-omi 500 ppm/1H SOGEBZ 12,772,76

mno-clr 400 mmol/L FOMIAZ 20,452,75

orl-rat LDLo:500 mg/kg NCNSA6 5,47,53

par-mus LDLo:10,189 mg/kg JPETAB 52,216,34

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

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. Combustible when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits toxic fumes of NO_x .

MQJ250 HR: 2
METHYL UREA and SODIUM NITRITE

SYNS: METHYLHARNSTOFF and NATRIUMNITRIT (GERMAN) \square SODIUM NITRITE and METHYL UREA

SAFETY PROFILE: Experimental reproductive effects. Questionable carcinogen with experimental neoplastigenic, tumorigenic, and teratogenic data. When heated to decomposition it emits toxic fumes of Na_2O . See also SODIUM NITRITE and N-METHYLUREA.

MQJ300 CAS: 1879-26-1 HR: 3
N-METHYLURETHANEBENZENESULFO-HYDRAZINE

mf: $C_8H_{11}N_3O_4S$ mw: 245.28

SYNS: BENZENESULFONIC ACID, 4-((METHOXYCARBONYL)-AMINO)-, HYDRAZIDE \square CARBANILIC ACID, p-SULFO-, C-METHYL ESTER, HYDRAZIDE \square CARBANILIC ACID, p-SULFO-, N-METHYL ESTER, S-HYDRAZIDE \square CHKHZ 5 \square POROFOR CHKHZ-5 \square POROPHORE 4X3-5 \square p-SULFOCARBANILIC ACID, N-METHYL ESTER, S-HYDRAZIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg GISAAA 28(7),18,1963

ihl-rat LCLo:7 mg/m³ GISAAA 28(7),18,1963

orl-mus LD50:350 mg/kg GISAAA 28(7),18,1963

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

MQJ500 CAS: 1119-16-0 HR: 1
4-METHYL VALERALDEHYDE

mf: $C_6H_{12}O$ mw: 100.18

PROP: Bp: 121°.

SYNS: ISOCAPROALDEHYDE \square ISOHEXANAL \square 4-METHYLPENTANAL \square PENTANAL, 4-METHYL-(9CI)

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:5660 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:16,000 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:4460 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQJ750 CAS: 97-61-0 HR: 2
2-METHYLVALERIC ACID

mf: C₆H₁₂O₂ mw: 116.18

PROP: Water-white liquid. D: 0.8947 @ 20°/4°, bp: 126.5° @ 750 mm, vap press: 0.02 mm @ 20°, fp: sets to glass < -85°, flash p: 225°F (OC). Very sltly sol in water; misc in alc and ether.

SYNS: 2-METHYLPENTANOIC ACID □ METHYLPROPYL-ACETIC ACID □ α-METHYLVALERIC ACID □ 2-PENTANECARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 2/4/59
 skn-rbt 500 mg/24H MOD FCTOD7 20(Suppl),763,82
 eye-rbt 250 µg open SEV AMIHBC 10,61,54
 orl-rat LD50:2040 mg/kg AMIHBC 10,61,54
 skn-rbt LD50:2500 mg/kg FCTOD7 20(Suppl),763,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Combustible when exposed to heat, flame, or oxidizers. To fight fire, use dry chemical, CO₂, foam. When heated to decomposition it emits acrid smoke and irritating fumes.

MQK000 CAS: 4553-62-2 HR: 3
2-METHYL-1,5-VALERODINITRILE

mf: C₆H₇N₂ mw: 107.15

PROP: Bp: 269–271°. Sol in water.

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/plate EMMUEG 11(Suppl 12),1,88
 ivn-mus LD50:56 mg/kg CSLNX* NX#02814

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

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.

MQK100 CAS: 10603-03-9 HR: 3
β-METHYL-Δ-VALEROLACTONE

mf: C₆H₁₀O₂ mw: 114.16

SYNS: 2H-PYRAN-2-ONE, TETRAHYDRO-3-METHYL- □ VALERIC ACID, 5-HYDROXY-3-METHYL-, Δ-LACTONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:12,900 µL/kg AIHAAP 30,470,69
 skn-rbt LD50:>10 mL/kg AIHAAP 30,470,69

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

MQK500 CAS: 3195-78-6 HR: 2
N-METHYL-N-VINYLCETAMIDE

mf: C₅H₉NO mw: 99.15

SYNS: N-VINYLMETHYLACETAMIDE □ N-VINYL-N-METHYLACETAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:2830 mg/kg AIHAAP 23,95,62
 skn-rbt LDLo:1410 mg/kg AIHAAP 23,95,62

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.

MQK750 CAS: 108-22-5 HR: 3
METHYL VINYL ACETATE

DOT: UN 2403

mf: C₅H₈O₂ mw: 100.13

PROP: Water-white liquid. Mp: -92.9°, bp: 96.6° @ 746 mm, flash p: 60°F (OC), d: 0.9226 @ 20°/20°, vap d: 3.45.

SYNS: ACETIC ACID, ISOPROPENYL ESTER □ ISOPROPENYL ACETATE □ ISOPROPENYL ACETATE (DOT) □ ISOPROPENYLESTER KYSELINY OCTOVE □ 1-PROPEN-2-YL ACETATE

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 85JCAE -,355,86
 eye-rbt 500 mg MOD AJOPAA 29,1363,46
 orl-rat LD50:3000 mg/kg JIHTAB 31,60,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion. A skin, eye, and mucous membrane irritant. A very dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

MQL000 CAS: 2969-87-1 HR: 1
METHYL VINYL ADIPATE

mf: C₉H₁₄O₄ mw: 186.23

SYNS: ADIPIC ACID, METHYL VINYL ESTER □ HEXANEDIOIC ACID ETHENYL METHYL ESTER □ VINYL METHYLADIPATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:6200 mg/kg GISAAA 35(10),88,70
 orl-mus LD50:6200 mg/kg GISAAA 35(10),88,70
 orl-rbt LD50:6200 mg/kg GISAAA 35(10),88,70

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

MQL250 CAS: 598-32-3 HR: 1
METHYL VINYL CARBINOL

mf: C₄H₈O mw: 72.12

PROP: Liquid. D: 0.831 at 20°/4°, mp: < -80°, bp: 97°. Misc in water.

SYNS: 3-BUTEN-2-OL □ 1-METHYL PROPENOL

TOXICITY DATA with REFERENCE:

eye-hmn 50 ppm/15M JIHTAB 28,262,46
 mmo-sat 50 mmol/L MUREAV 93,305,82
 ihl-hmn TCLo:50 ppm:NOSE,EYE JIHTAB 28,262,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Human systemic effects by inhalation: eye problems. A human eye irritant. Human mutation data reported. When heated to decomposition it

emits acrid smoke and irritating fumes. See also ALCOHOLS.

MQL750 CAS: 107-25-5 HR: 3

METHYL VINYL ETHER

DOT: UN 1087

mf: C₃H₆O mw: 58.09



PROP: Colorless, easily liquefied gas or colorless liquid. Bp: 8.0°, d: 0.7500, vap d: 2.0, fp: -121.6°, vap press: 1052 mm @ 20°, flash p: -68.8°F, lel: 2.6%, uel: 39.0%.

SYNS: METHOXYETHENE □ VINYL METHYL ETHER (DOT)

TOXICITY DATA with REFERENCE:

orl-rat LD50:4900 mg/kg 34ZIAG -,395,69

skn-rat LD50:>2 mL/kg JACTDZ 12(3),243,93

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 2.1; Label: Flammable Gas

SAFETY PROFILE: Mildly toxic by ingestion. A very dangerous fire hazard when exposed to heat, flame, or oxidizers. Explosive in the form of vapor when exposed to heat or flame. Can react vigorously with oxidizing materials. To fight fire, stop flow of gas. Potentially explosive reaction with halogens (e.g., bromine, chlorine) or hydrogen halides (e.g., hydrogen bromide, hydrogen chloride). Reaction with acids forms acetaldehyde. Weak acids catalyze the exothermic polymerization of the ether. The unstabilized ether can form dangerous peroxides. When heated to decomposition it emits acrid smoke and irritating fumes. See also ETHERS and PEROXIDES.

MQM100 HR: 3

METHYL VINYL KETONE

mf: C₄H₆O mw: 70.09



SYN: 1-BUTEN-3-ONE

SAFETY PROFILE: May polymerize violently on exposure to heat or light. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

MQM150 CAS: 73160-32-4 HR: 3

METHYL VINYL OXIMINO SILANE

mf: C₁₁H₂₂N₂O₂Si mw: 242.44

SYNS: 2-BUTANONE, O,O'-

(ETHENYLMETHYLSILYLENE)DIOXIME, (E,Z)- □ 2-BUTANONE, O,O'-(ETHENYLMETHYLSILYLENE)DIOXIME, (2E,2'Z)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>2 mL/kg NTIS** OTS0518515-1

skn-rat LDLo:2 mL/kg NTIS** OTS0518515-1

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

MQM200 CAS: 6607-53-0 HR: 3

METHYL VINYL OXYETHYL SULFIDE

mf: C₅H₁₀OS mw: 118.21

SYNS: ETHER, 2-(METHYLTHIO)ETHYL VINYL □ SULFIDE, METHYL VINYL OXYETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3250 µL/kg AIHAAP 30,470,69

ihl-rat LCLo:3200 ppm/8H AIHAAP 30,470,69

skn-rbt LD50:>8 mL/kg AIHAAP 30,470,69

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

MQM500 CAS: 140-76-1 HR: 3

2-METHYL-5-VINYLPYRIDINE

mf: C₈H₉N mw: 119.18

SYNS: 5-ETHENYL-2-METHYLPYRIDINE □ 5-VINYL-2-PICOLINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1167 mg/kg AIHAAP 30,470,69

ihl-rat LC50:189 mg/m³/2H 85GMAT -,88,82

scu-rat LD50:1290 mg/kg 85GMAT -,88,82

orl-mus LD50:775 mg/kg 85GMAT -,88,82

ihl-mus LC50:213 mg/m³/2H 85GMAT -,88,82

scu-mus LD50:532 mg/kg 85GMAT -,88,82

skn-rbt LD50:718 mg/kg AIHAAP 30,470,69

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

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

MQM750 CAS: 3680-02-2 HR: 3

METHYL VINYL SULFONE

mf: C₃H₆O₂S mw: 106.15

PROP: Oil. Bp: 105-107° @ 17 mm.

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:570 mg/kg AIHAAP 23,95,62

skn-rbt LD50:32 mg/kg AIHAAP 23,95,62

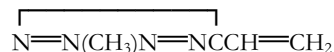
SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits toxic fumes of SO_x. See also SULFIDES.

MQM775 CAS: 15284-39-6 HR: 3

2-METHYL-5-VINYL TETRAZOLE

mf: C₄H₆N₄ mw: 110.12



SAFETY PROFILE: Forms an explosive complex with aluminum hydride. When heated to decomposition it emits toxic fumes of NO_x.

MQM800 CAS: 1759-28-0 HR: 3

4-METHYL-5-VINYL THIAZOLE

mf: C₆H₇NS mw: 125.20

SYN: THIAZOLE, 4-METHYL-5-VINYL-

TOXICITY DATA with REFERENCE:

orl-mus LD50:400 mg/kg DCTODJ 3,249,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQN000 CAS: 5974-19-6 HR: 3

METHYL VIOLET 6Bmf: C₃₁H₃₄N₃•Cl mw: 484.13**SYN:** PENTAMETHYLBENZYL-P-ROSANILINE CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:25 mg/kg CRSBAW 138,838,44

orl-rbt LDLo:75 mg/kg CRSBAW 138,838,44

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**MQN025 CAS: 8004-87-3 HR: 3
METHYL VIOLET BB****PROP:** Bluish-violet powder. Mp: 137° (decomp). Sol in H₂O and EtOH.**SYNS:** BASIC VIOLET K □ C.I. 42535 □ C.I. BASIC VIOLET 1 □ METHYL VIOLET □ METHYL VIOLET 2B □ METHYL VIOLET FN □ METHYL VIOLET N □ METHYL-VIOLETT (GERMAN) □ PARIS VIOLET R □ VIOLET POWDER H 2503**TOXICITY DATA with REFERENCE:**

mmo-sat 320 ng/plate MUREAV 89,21,81

orl-rat LD50:413 mg/kg EPASR* 8EHQ-0382-0436

orl-mus LD50:105 mg/kg ARZNAD 1,5,51

ipr-mus LD50:6 mg/kg ARZNAD 1,5,51

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MQN250 CAS: 39425-26-8 HR: 3
METHYL VIOLET CARBINOL****SYNS:** CARBINOLBASE des METHYL VIOLETT (GERMAN) □ METHYL VIOLET CARBINOL BASE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:880 mg/kg ARZNAD 1,5,51

ipr-mus LD50:36 mg/kg ARZNAD 1,5,51

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**MQN500 CAS: 1076-22-8 HR: 3
3-METHYLXANTHINE**mf: C₆H₆N₄O₂ mw: 166.16**PROP:** Needles from H₂O.**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1300 mg/kg FATOAO 46(5),104,83

ivn-dog LDLo:300 mg/kg AEXPBL 43,305,1900

ivn-rbt LDLo:500 mg/kg AEXPBL 43,305,1900

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**MQO250 CAS: 78186-37-5 HR: 3
1-METHYL-N-(2,6-XYLYL)ISONIPECOTAMIDE
HYDROCHLORIDE**mf: C₁₅H₂₂N₂O•ClH mw: 282.85**SYNS:** C 3134 □ 1-METHYL-PIPERIDINE-4-CARBONSAURE-O,O-XYLIDID HYDROCHLORID (GERMAN)**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:270 mg/kg ARZNAD 8,609,58

scu-mus LD50:595 mg/kg ARZNAD 8,609,58

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of HCl and NO_x.**MQO500 CAS: 100836-65-5 HR: 3
N-METHYL-N-((1-(3,5-XYLYLOXY)-2-PROPYL)-
CARBAMIC ACID-2-DIETHYLAMINO)ETHYL
ESTER, HYDROCHLORIDE**mf: C₁₉H₃₂N₂O₃•ClH mw: 372.99**SYN:** C 2140**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MLD ARZNAD 9,113,59

scu-mus LD50:175 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also CARBAMATES.**MQO750 CAS: 100836-66-6 HR: 3
N-METHYL-N-(1-(3,5-XYLYLOXY)-2-PROPYL)-
CARBAMIC ACID-2(2-METHYLPIPERIDINO)-
ETHYL ESTER HYDROCHLORIDE**mf: C₂₁H₃₄N₂O₃•ClH mw: 399.03**SYN:** C 2141**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MOD ARZNAD 9,113,59

scu-mus LD50:260 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also ESTERS and CARBAMATES.**MQP000 CAS: 100836-67-7 HR: 3
N-METHYL-N-(1-(3,5-XYLYLOXY)-2-PROPYL)-
CARBAMIC ACID-2-(PYRROLIDINYL)ETHYL
ESTER, HCl**mf: C₁₉H₃₀N₂O₃•ClH mw: 370.97**SYN:** C 6005**TOXICITY DATA with REFERENCE:**

eye-rbt 2% MOD ARZNAD 9,113,59

scu-mus LD50:160 mg/kg ARZNAD 9,113,59

SAFETY PROFILE: Poison by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also ESTERS and CARBAMATES.**MQP250 CAS: 18815-73-1 HR: 3
METHYLZINC IODIDE**mf: CH₃IZn mw: 207.31**PROP:** Prepared in soln. Sol in ethers.**SYN:** IODOMETHYLZINC**CONSENSUS REPORTS:** Zinc and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Ignites on contact with nitromethane. When heated to decomposition it emits toxic fumes of I⁻ and ZnO. See also ZINC COMPOUNDS and IODIDES.**MQP500 CAS: 129-49-7 HR: 3
METHYSERGIDE DIMALEATE**

mf: $C_{21}H_{27}N_3O_2 \cdot C_4H_4O_4$ mw: 469.59

PROP: Mp: 187–188° (decomp). Sol in methanol; less sol in water; insol in abs ethanol.

SYNS: 1-(HYDROXYMETHYL)PROPYLAMIDE of 1-METHYL-(+)-LYSERGIC ACID HYDROGEN MALEATE □ METHYLSERGIDE BIMALEATE □ SANSERT

TOXICITY DATA with REFERENCE:

cyt-hmn:lyms 100 µg/L MUREAV 48,205,77
dlt-mus-ipr 100 mg/kg MUREAV 50,317,78
orl-rat LD50:200 mg/kg 27ZQAG -,101,72
ivn-rat LD50:125 mg/kg 27ZQAG -,101,72
orl-mus LD50:581 mg/kg 27ZQAG -,101,72
ivn-mus LD50:185 mg/kg 27ZQAG -,101,72
ivn-rbt LD50:28 mg/kg 27ZQAG -,101,72

SAFETY PROFILE: Poison by ingestion and intravenous routes. Experimental reproductive effects. Human mutation effects reported. When heated to decomposition it emits toxic fumes of NO_x .

MQQ000 CAS: 5800-19-1 HR: 3 METIAPINE

mf: $C_{19}H_{21}N_3S$ mw: 323.49

PROP: A solid. Mp: 99–107°.

SYN: 2-METHYL-11-(4-METHYL-1-PIPERAZINYL)-DIBENZO(b,f)(1,4)THIAZEPINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:934 mg/kg TXAP9 22,335,72
ipr-rat LD50:487 mg/kg TXAP9 25,220,73
orl-mus LD50:680 mg/kg TXAP9 22,335,72
ipr-mus LD50:320 mg/kg TXAP9 25,220,73

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x and SO_x .

MQQ050 CAS: 1084-65-7 HR: 3 METICRANE

mf: $C_{10}H_{13}NO_4S_2$ mw: 275.36

PROP: Crystals from methyl cellosolve. Mp: 236–237°.

SYNS: ARRESTEN □ E-103-E □ FONTILIX □ FONTILIZ □ 6-METHYL-3,4-DIHYDRO-2H-1-BENZOTHIOPYRAN-7-SULFONAMIDE 1,1-DIOXIDE □ 6-METHYL-7-SULFAMIDOTHIOCHROMAN-1,1-DIOXIDE □ 6-METHYLTHIOCHROMAN-7-SULFONAMIDE 1,1-DIOXIDE □ METICRAN □ SD 171-02

TOXICITY DATA with REFERENCE:

ivn-rat LD50:445 mg/kg OYYAA2 8,217,74
ipr-mus LD50:10 g/kg OYYAA2 8,217,74
ivn-mus LD50:325 mg/kg OYYAA2 8,217,74

SAFETY PROFILE: Poison by intravenous route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x and NO_x .

MQQ250 CAS: 9006-42-2 HR: 2 METIRAM

PROP: A mixture of 5.2 parts by weight of ammoniates of ethylenebis(dithiocarbamate)zinc with 1 part by weight ethylenebisdithiocarbamic acid bimolecular and trimolecular cyclic anhydrosulfides and disulfides (85ARAE 4,51,76).

SYNS: AMAREX □ CARBATENE □ FMC-9102 □ NIA 9102 □ POLIKARBATSIN (RUSSIAN) □ POLYCARBACIN □

POLYCARBACINE □ POLYCARBAZIN □ POLYCARBAZINE □ POLYMARCIN □ POLYMARCINE □ POLYMARSIN □ POLYMARZIN □ POLYMARZINE □ POLYMAT □ POLYRAM □ POLYRAM 80 □ POLYRAM COMBI □ POLYRAM 80WP □ ZINC METIRAM □ ZINEB-ETHYLENE THIURAM DISULFIDE ADDUCT

TOXICITY DATA with REFERENCE:

mno-smc 5 ppm RSTUDV 6,161,76
mrc-smc 50 ppm MUREAV 10,533,70
orl-rat LD50:2850 mg/kg VRDEA5 (9).130,75
orl-mus LD50:2630 mg/kg VETNAL 56(6),59,80
orl-rbt LD50:620 mg/kg VETNAL 56(6),59,80

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

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x , NO_x , ZnO , and NH_3 . See also ETHYLENEBIS(DITHIOCARBAMATO)ZINC, CARBAMATES, SULFIDES, and ZINC COMPOUNDS.

MQQ300 HR: 3 METOCLOPRAMIDE DIHYDROCHLORIDE MONOHYDRATE

mf: $C_{14}H_{22}ClN_3O_2 \cdot 2ClH \cdot H_2O$ mw: 390.78

SYNS: 4-AMINO-5-CHLORO-N-(2-(DIETHYLAMINO)ETHYL)-o-ANISAMIDE DIHYDROCHLORIDE MONOHYDRATE □ 2-METHOXY-4-AMINO-5-CHLORO-N-β-(DIETHYLAMINO-ETHYL)BENZAMIDE DIHYDROCHLORIDE MONOHYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:647 mg/kg YACHDS 8,3991,80
ipr-rat LD50:130 mg/kg AAREAV 23,663,66
scu-rat LD50:633 mg/kg AAREAV 23,663,66
ivn-rat LD50:42,100 µg/kg YACHDS 8,3991,80
orl-mus LD50:335 mg/kg YACHDS 8,3991,80
ipr-mus LD50:138 mg/kg AAREAV 23,663,66
scu-mus LD50:223 mg/kg AAREAV 23,663,66
ivn-mus LD50:37,500 µg/kg YACHDS 8,3991,80
ivn-rbt LD50:23 mg/kg AAREAV 23,663,66

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

MQQ350 CAS: 67481-15-6 HR: 3 METOFOS

mf: $C_{16}H_{15}Cl_3O_2 \cdot C_{12}H_{14}Cl_3O_4P$ mw: 705.24

SYNS: METOFOS PLYNNY □ PHOSPHORIC ACID, 2-CHLORO-1-(2,4-DICHLOROPHENYL)ETHENYL DIETHYL ESTER, MIXT. WITH 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS(4-METHOXYBENZENE)

TOXICITY DATA with REFERENCE:

orl-rat LD50:83,400 µg/kg RPZHAW 31,301,1980
skn-rat LD50:3349 mg/kg RPZHAW 31,301,1980
ipr-rat LD50:73,400 µg/kg RPZHAW 31,301,1980
orl-mus LD50:633 mg/kg RPZHAW 31,301,1980
orl-gpg LD50:1519 mg/kg RPZHAW 31,301,1980

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. Moderately toxic by skin contact. When heated to decomposition it emits toxic vapors of PO_x and Cl^- .

**MQQ450 CAS: 51218-45-2 HR: 2
METOLACHLOR**mf: C₁₅H₂₂ClNO₂ mw: 283.83**PROP:** Clear, odorless liquid. Bp: 100°, n: (20/D) 1.5301, vap press @ 20°: 0.000013 mm Hg. Solubility in water at 20°: 530 ppm. Sol in most org solvs.**SYNS:** 2-AETHYL-6-METHYL-N-(1-METHYL-2-METHOXY-AETHYL)-CHLORACETANILID (GERMAN) □ BICEP □ CGA-24705 □ α-CHLORO-6'-AETHYL-n-(2-METHOXY-1-METHYL-AETHYL)-ACET-o-TOLUIDIN (GERMAN) □ 2-CHLORO-6'-ETHYL-N-(2-METHOXY-1-METHYLETHYL)ACET-o-TOLUIDIDE □ α-CHLORO-2'-ETHYL-6'-METHYL-N-(1-METHYL-2-METHOXYETHYL)-ACETANILIDE □ 2-CHLORO-N-(2-ETHYL-6-METHYLPHENYL)-N-(2-METHOXY-1-METHYLETHYL)ACETAMIDE □ 2-CHLORO-N-(6-ETHYL-o-TOLYL)-N-(2-METHOXY-1-METHYLETHYL)-ACETAMIDE □ CODAL □ COTORAN MULTI □ DUAL □ 2-ETHYL-6-METHYL-1-N-(2-METHOXY-1-ETHYLETHYL)CHLOROACETANILIDE □ METELILACHLOR □ MILOCEP □ ONTRACK 8E □ PRIMAGRAM □ PRIMEXTRA**TOXICITY DATA with REFERENCE:**

skn-rbt 334 mg/kg open MLD CIGET* -,77

eye-rbt 100 mg MLD NNGADV 14,103,89

mma-sat 10 µg/plate MUREAV 136,233,84

mrc-smc 1 µg/plate MUREAV 136,233,84

orl-rat LD50:2200 mg/kg NNGADV 14,103,89

skn-rat LD50:3710 mg/kg LITRC* TR-78-0310

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Moderately toxic by skin contact and ingestion. Mutation data reported. A skin and eye irritant. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.**MQQ475 CAS: 67203-86-5 HR: 2
METOLACHLOR-CYANAZINE MIXTURE**mf: C₁₅H₂₂ClNO₂•C₉H₁₃ClN₆ mw: 524.56**SYNS:** ACETAMIDE, 2-CHLORO-N-(2-ETHYL-6-METHYLPHENYL)-N-(2-METHOXY-1-METHYLETHYL)-, mixture with 2-(4-CHLORO-6-(ETHYLAMINO)-1,3,5-TRIAZIN-2-YL)AMINO-2-METHYLPROPANENITRILE □ CYANAZINE-METOLACHLOR mixture**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1260 mg/kg FMCHA2 -,C89,91

ihl-rat LC50:1450 mg/m³/4H FMCHA2 -,C89,91

skn-rbt LD50:2010 mg/kg FMCHA2 -,C89,91

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of NO_x, CN⁻, and Cl⁻.**MQQ500 CAS: 5377-20-8 HR: 3
METOMIDATE**mf: C₁₃H₁₄N₂O₂ mw: 230.29**SYN:** METHYL 1-(α-METHYLBENZYL)IMIDAZOLE-5-CARBOXYLATE**TOXICITY DATA with REFERENCE:**

orl-pgn LD50:56 mg/kg TXAPA9 21,315,72

orl-dck LD50:56 mg/kg TXAPA9 21,315,72

orl-brd LD50:32 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**MQQ750 CAS: 35944-74-2 HR: 3
METOMIDATE HYDROCHLORIDE**mf: C₁₃H₁₄N₂O₂•ClH mw: 266.75**PROP:** A solid. Mp: 173–174°.**SYNS:** 1-(α-METHYLBENZYL)IMIDAZOLE-5-CARBOXYLIC ACID METHYL ESTER, HYDROCHLORIDE □ 1-(1-PHENETHYL)-IMIDAZOLE-5-CARBOXYLIC ACID, METHYL ESTER, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX* NX#09250

orl-pgn LD50:42 mg/kg TXAPA9 21,315,72

orl-dck LD50:133 mg/kg TXAPA9 21,315,72

orl-bwd LD50:32 mg/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**MQQ800 CAS: 133408-50-1 HR: 2
METOMINOSTROBIN**mf: C₁₆H₁₆N₂O₃ mw: 284.31**SYNS:** BENZENEACETAMIDE, α-(METHOXYIMINO)-N-METHYL-2-PHENOXY-, (α-E)- □ (E)-2-METHOXYIMINO-N-METHYL-2-(2-PHENOXYPHENYL)ACETAMIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:708 mg/kg HBPTO* 2,1201,2001

orl-mus LD50:1778 mg/kg HBPTO* 2,1201,2001

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**MQR000 CAS: 14008-44-7 HR: 3
METOPIMAZINE**mf: C₂₂H₂₇N₃O₃S₂ mw: 445.64**PROP:** Solid. Mp: 170–171°.**SYNS:** 10-(3-(4-CARBAMOYLPIPERIDINE)PROPYL)-2-(METHANESULFONYL)PHENOTHIAZINE □ EXP 999 □ 2-METHYLSULFONYL-10-(3-(4-CARBAMOYLPIPERIDINO)-PROPYL)PHENOTHIAZINE □ 1-(3-(2-(METHYLSULFONYL)-PHENOTHIAZIN-10-YL)PROPYL)ISONIPECOTAMIDE □ 1-(3-(2-(METHYLSULFONYL)PHENOTHIAZIN-10-YL)PROPYL)-4-PIPERIDINE CARBOXAMIDE □ 1-(3-(2-(METHYLSULFONYL)-10H-PHENOTHIAZIN-10-YL)PROPYL)-4-PIPERIDINE CARBOXAMIDE □ RP 9965 □ VOGALENE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:976 mg/kg TXAPA9 18,185,71

scu-rat LD50:1080 mg/kg TXAPA9 18,185,71

orl-mus LD50:800 mg/kg 27ZQAG -,32,72

ipr-mus LD50:95 mg/kg 27ZQAG -,32,72

scu-mus LD50:315 mg/kg 27ZQAG -,32,72

ivn-mus LD50:90 mg/kg 27ZQAG -,32,72

SAFETY PROFILE: Poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by ingestion. An anti-emetic agent. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**MQR100 CAS: 7761-45-7 HR: 3
METOPRINE**mf: C₁₁H₁₀Cl₂N₄ mw: 269.15**PROP:** A solid. Mp: 275–276°.**SYNS:** BW 50-197 □ BW-197U □ DDMP □ 2,4-DIAMINO-5-(3,4-DICHLOROPHENYL)-6-METHYLPYRIMIDINE □ 2,4-DIAMINO-5-(3',4'-DICHLOROPHENYL)-6-METHYLPYRIMIDINE □ 5-(3,4-DICHLOROPHENYL)-6-METHYL-2,4-PYRIMIDINEDIAMINE □

METHODICHLOROPHEN □ NSC-19494 □ PYRIMETHAMINE □ U-197

TOXICITY DATA with REFERENCE:

cyt-hmn-unr 2800 µg/kg RBBIAL 25,145,65
 orl-rat TDLo:2500 µg/kg (7D preg):TER PSEBAA 87,571,54
 orl-rat TDLo:5 mg/kg (8-9D preg):REP PSEBAA 87,571,54

ipr-rat LD50:7 mg/kg 14XBAV -,367,64

scu-mus LD50:50 mg/kg CTRRDO 60,547,76

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

MQR144 CAS: 37350-58-6 HR: 3

METOPROLOL

mf: C₁₅H₂₅NO₃ mw: 267.41

SYNS: CGP 2175 □ H 93/26 □ (±)-1-(4-(2-METHOXYETHYL)-PHENOXY)-3-((1-METHYLTHYL)AMINO)-2-PROPANOL □ (±)-METOPROLOL

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:17 mg/kg/17D-I AIMEAS 108,67,88
 orl-wmn TDLo:150 mg/kg:EYE,CVS,CNS AMSVAZ 218,525,85

orl-rat LD50:3470 mg/kg DRUGAY 14,321,77

ivn-rat LD50:71,900 µg/kg DRUGAY 14,321,77

orl-mus LD50:1050 mg/kg USXXAM #4252984

ivn-mus LD50:62 mg/kg USXXAM #4252984

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Human systemic effects by ingestion: cardiac, eye, and behavioral effects. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

MQR150 HR: 3

METOPROLOL TARTRATE

mf: C₁₅H₂₅NO₃•1/2C₄H₆O₆ mw: 342.41

SYNS: (±)-1-(ISOPROPYLAMINO)-3-(p-(2-METHOXY-ETHYL)PHENOXY)-2-PROPANOL HEMI-L-TARTRATE □ 1-(ISOPROPYLAMINO)-3-(p-(2-METHOXYETHYL)PHENOXY)-2-PROPANOL TARTRATE (2:1) □ METOPROLOL HEMITARTRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:5500 mg/kg IYKEDH 14,297,83

ipr-rat LD50:219 mg/kg YAKUD5 24,243,82

scu-rat LD50:1150 mg/kg KSRNAM 13,283,79

ivn-rat LD50:90 mg/kg IYKEDH 14,297,83

orl-mus LD50:1480 mg/kg IYKEDH 14,297,83

ipr-mus LD50:204 mg/kg IYKEDH 14,297,83

scu-mus LD50:510 mg/kg IYKEDH 14,297,83

ivn-mus LD50:84 mg/kg IYKEDH 14,297,83

orl-dog LD50:1090 mg/kg IYKEDH 14,297,83

orl-rbt LD50:604 mg/kg IYKEDH 14,297,83

ivn-rbt LD50:28,700 µg/kg IYKEDH 14,297,83

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

MQR200 CAS: 1178-29-6 HR: 3

METOSERPATE HYDROCHLORIDE

mf: C₂₄H₃₂N₂O₅•ClH mw: 465.04

PROP: A solid. Mp: 240–242°. Sol in water.

SYNS: METHYL-18-EPIRESERPATE METHYL ETHER HYDROCHLORIDE □ PACITRAN □ SU-9064 □ SU 8842 HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:182 mg/kg JPETAB 138,78,62

ivn-rat LD50:21 mg/kg 27ZQAG -,112,72

ivn-mus LD50:24 mg/kg JPETAB 138,78,62

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

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

MQR225 CAS: 19937-59-8 HR: 2

METOXURON

mf: C₁₀H₁₃ClN₂O₂ mw: 228.70

PROP: Crystals or powder. Sol in Me₂CO; mod sol in C₆H₆ and EtOH; sltly sol in H₂O.

SYNS: N'-(3-CHLOR-4-METHOXY-PHENYL)-N,N-DIMETHYL-HARNSTOFF (GERMAN) □ 3-(3-CHLOR-4-METHOXYPHENYL)-1,1-DIMETHYLBARNSTOFF (GERMAN) □ N-(3-CHLORO-4-METHOXYPHENYL)-N',N'-DIMETHYLUREA □ 3-(3-CHLORO-4-METHOXYPHENYL)-1,1-DIMETHYL-UREA □ DEFTOR □ N,N-DIMETHYL-N'-(4-METHOXY-3-CHLOROPHENYL)UREA □ DOSAFLO □ DOSAGRAN □ DOSANEX □ DOSANEX FL □ DOSANEX MG □ FL □ HERBICIDE 6602 □ PURIVEL

TOXICITY DATA with REFERENCE:

mma-sat 5 µg/plate MUREAV 58,353,78

dni-mus-orl 500 mg/kg MUREAV 58,353,78

orl-rat LD50:1600 mg/kg WRPCA2 9,119,70

orl-mus LD50:2542 mg/kg GISAAA 47(2),13,82

orl-rbt LD50:2300 mg/kg GISAAA 48(2),85,83

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

MQR250 HR: 2

4-o-METPA

mf: C₃₇H₅₈O₈ mw: 630.95

TOXICITY DATA with REFERENCE:

skn-mus 1450 ng MLD CCSUDL 2,11,78

skn-mus TDLo:966 mg/kg/48W-I:ETA CNREA8 39,4183,79

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

MQR275 CAS: 21087-64-9 HR: 3

METRIBUZIN

mf: C₈H₁₄N₄OS mw: 214.32

PROP: White crystalline solid; mild odor. Mp: 125°. Sltly sol in water.

SYNS: 4-AMINO-6-tert-BUTYL-3-(METHYLTHIO)-1,2,4-TRIAZIN-5-ONE □ 4-AMINO-6-tert-BUTYL-3-METHYLTHIO-as-TRIAZIN-5-ONE □ 4-AMINO-6-(1,1-DIMETHYLETHYL)-3-(METHYLTHIO)-1,2,4-TRIAZIN-5(4H)-ONE □ BAY 61597 □ BAY DIC 1468 □ BAYER 6159H □ BAYER 6443H □ BAYER 94337 □ DIC 1468 □ LEXONE □ SENCOR □ SENCORAL □ SENCORER □ SENCOREX

TOXICITY DATA with REFERENCE:

orl-rat LD50:1100 mg/kg FMCHA2 -,C156,83
 orl-mus LD50:698 mg/kg 28ZEAL 5,154,76
 skn-rat LD50:2 g/kg 85JCAE -,1001,86
 ipr-rat LD50:239 mg/kg NNGADV 12,127,87
 orl-gpg LD50:250 mg/kg 85DPAN -,71/76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

OSHA PEL: TWA 5 mg/m³

ACGIH TLV: TWA 5 mg/m³; Not Classifiable as a Human Carcinogen

NIOSH REL: (Metribuzin) TWA 5 mg/m³

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Low toxicity by skin contact. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MQR300 CAS: 31112-62-6 HR: 3
METRIZAMIDE

mf: C₁₈H₂₂I₃N₃O₈ mw: 789.13

PROP: White crystals from isopropyl alcohol. Mp: 230° (decomp). Very sol in water (50% w/v) at room temp.

SYNS: 2-(3-ACETAMIDO-5-N-METHYL-ACETAMIDO-2,4,6-TRIIDOBENZAMIDO)-2-DEOXY-d-GLUCOSE □ 2-(3-ACETAMIDO-2,4,6-TRIIDO-5-(N-METHYLACETAMIDO)-BENZAMIDO)-2-DEOXY-d-GLUCOPYRANOSE □ 2-(3-ACETAMIDO-2,4,6-TRIIDO-5-(N-METHYLACETAMIDO)-BENZAMIDO)-2-DEOXY-d-GLUCOSE □ 2-((3-(ACETYLAMINO)-5-(ACETYLMETHYLAMINO)-2,4,6-TRIIDOBENZOYL)AMINO)-2-DEOXY-d-GLUCOSE □ 3-ACETYLAMINO-5-N-METHYL-ACETYLAMINO-2,4,6-TRIIDOBENZOYL GLUCOSAMINE □ AMIPAQUE □ TELEBRIX 300 □ WIN 39103

TOXICITY DATA with REFERENCE:

isp-man TDLo:143 mg/kg:CNS SMJOAV 77,88,84
 ipr-rat LD50:9300 mg/kg NIIRDN 6,842,82
 scu-rat LD50:17 mg/kg YKYUA6 32,865,81
 ivn-rat LD50:13,100 mg/kg NIIRDN 6,842,82
 ice-rat LD50:135 mg/kg RADLAX 140,713,81
 ipr-mus LD50:9950 mg/kg USXXAM #4001323
 scu-mus LD50:7500 mg/kg NIIRDN 6,842,82
 ivn-mus LD50:1534 mg/kg INVRAV 15(Suppl),248,80
 ice-mus LD50:2910 mg/kg USXXAM #4001323
 par-rbt LD50:207 mg/kg USXXAM #4001323

SAFETY PROFILE: Poison by subcutaneous, intracerebral, and parenteral routes. Moderately toxic by intraperitoneal and intravenous routes. Human systemic effects: meningeal changes to spinal cord. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of I⁻ and NO_x.

MQR350 CAS: 1949-45-7 HR: 3
METRIZOIC ACID

mf: C₁₂H₁₁I₃N₂O₄ mw: 627.95

PROP: Crystals. Mp: 281–282°.

SYNS: 3-(ACETYLAMINO)-5-(ACETYLMETHYLAMINO)-2,4,6-TRIIDO-BENZOIC ACID □ METRIZOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:38,100 mg/kg NIIRDN 6,843,82
 scu-rat LD50:29,600 mg/kg NIIRDN 6,843,82
 ivn-rat LD50:14,300 mg/kg NIIRDN 6,843,82
 scu-mus LD50:36 g/kg NIIRDN 6,843,82

ivn-mus LD50:12,200 mg/kg INVRAV 15,502,80

ice-mus LD50:234 mg/kg NIIRDN 6,843,82

SAFETY PROFILE: Poison by intracerebral route. Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of I⁻ and NO_x.

MQR400 CAS: 74223-64-6 HR: 2
METSULFURON-METHYL

mf: C₁₄H₁₅N₃O₆S mw: 381.40

SYNS: ALLIE □ ALLY □ ALLY 20DF □ BENZOIC ACID, 2-((((4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)AMINO)CARBONYL)AMINO)SULFONYL)-, METHYL ESTER □ BRUSH-OFF □ DPD 63760H □ DPX 6376 □ DPX-T 6376 □ ESCORT □ GROPPER □ METHYL 2-(3-(4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)UREIDOSULFONYL)BENZOATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg 85JFAN A669,84
 ihl-rat LC50:>5 g/m³/4H 85JFAN A669,84
 skn-rbt LD50:>2 g/kg FMCHA2 -,C16,91
 orl-dck LD50:>2510 mg/kg 85JFAN A669,84

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

MQR500 CAS: 826-39-1 HR: 3
MEVASIN HYDROCHLORIDE

mf: C₁₁H₂₁N•ClH mw: 203.79

PROP: A solid. Mp: 245.5–246.5° (decomp).

SYNS: INVERSINE HYDROCHLORIDE □ MECAMINE HYDROCHLORIDE □ MECAMYLAMINE HYDROCHLORIDE □ MEKAMIN HYDROCHLORIDE □ 3-METHYLAMINOISO-CAMPHANE HYDROCHLORIDE □ N-METHYL-dl-ISOBORNYL-AMINE HYDROCHLORIDE □ N,2,3,3-TETRAMETHYL-2-NORBORNANAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:208 mg/kg JPETAB 117,169,56
 ipr-rat LD50:53 mg/kg RPOBAR 2,301,70
 scu-rat LD50:177 mg/kg JPETAB 117,169,56
 ivn-rat LD50:21 mg/kg RPOBAR 2,300,70
 orl-mus LD50:92 mg/kg NIIRDN 6,814,82
 ipr-mus LD50:17 mg/kg RPOBAR 2,300,70
 scu-mus LD50:81 mg/kg RPOBAR 2,300,70
 ivn-mus LD50:14 mg/kg RPOBAR 2,300,70
 orl-gpg LD50:175 mg/kg JPETAB 117,169,56
 ipr-gpg LD50:63 mg/kg JPETAB 117,169,56
 scu-gpg LD50:155 mg/kg JPETAB 117,169,56

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

MQR750 CAS: 7786-34-7 HR: 3
MEVINPHOS

mf: C₇H₁₃O₆P mw: 224.17

PROP: Misc in H₂O and org solvs except pet ether. IDLH 4 ppm.

SYNS: APAVINPHOS □ α-2-CARBOMETHOXY-1-METHYLVINYL DIMETHYL PHOSPHATE □ 2-CARBOMETHOXY-1-PROPEN-2-YL DIMETHYL PHOSPHATE □ CMDP □ COMPOUND 2046 □ 3-((DIMETHOXYPHOSPHINYLOXY)-2-BUTENOIC ACID METHYL ESTER □ O,O-DIMETHYL-O-(2-CARBOMETHOXY-1-METHYLVINYL) PHOSPHATE □ DIMETHYL-1-CARBOMETHO-

XY-1-PROPEN-2-YL PHOSPHATE □ DIMETHYL ESTER
 PHOSPHORIC ACID ESTER with METHYL 3-HYDROXY-
 CROTONATE □ O,O-DIMETHYL-O-2-METHOXYCARBONYL-1-
 METHYL-VINYL-PHOSPHAT (GERMAN) □ DIMETHYL 2-
 METHOXYCARBONYL-1-METHYL VINYL PHOSPHATE □
 DIMETHYL METHOXYCARBONYLPROPENYL PHOSPHATE □
 DIMETHYL (1-METHOXYCARBOXYPROPEN-2-YL)PHOSPHATE
 □ O,O-DIMETHYL O-(1-METHYL-2-CARBOXYVINYL) PHOS-
 PHATE □ DURAPHOS □ ENT 22,374 □ FOSDRIN □ GESFID □
 GESTID □ 3-HYDROXYCROTONIC ACID METHYL ESTER
 DIMETHYL PHOSPHATE □ MENIPHOS □ MENITE □ (2-
 METHOXYCARBONYL-1-METHYL-VINYL)-DIMETHYL-
 FOSFAAT (DUTCH) □ (2-METHOXYCARBONYL-1-METHYL-
 VINYL)-DIMETHYL-PHOSPHAT (GERMAN) □ 2-METHOXY-
 CARBONYL-1-METHYL VINYL DIMETHYLPHOSPHATE □ 1-
 METHOXYCARBONYL-1-PROPEN-2-YL DIMETHYL PHOSPH-
 ATE □ (1-METHOXYCARBOXYPROPEN-2-YL)PHOSPHORIC
 ACID, DIMETHYL ESTER □ METHYL-3-(DIMETHOXY-
 PHOSPHINYLOXY)CROTONATE □ (2-METOSSICARBONIL-1-
 METIL-VINIL)-DIMETIL-FOSFATO (ITALIAN) □ MEVINFOS
 (DUTCH) □ OS 2046 □ PHOSDRIN (OSHA) □ PHOSFENE □
 PHOSPHATE de DIMETHYLE et de 2-METHOXYCARBONYL-1-
 METHYL VINYLE (FRENCH) □ PHOSPHENE (FRENCH)

TOXICITY DATA with REFERENCE:

orl-man TDLo:700 µg/kg/28D-I:PNS TXAP9 42,351,77
 orl-rat LD50:3 mg/kg DOEAAH 36,25,79
 ihl-rat LC50:14 ppm/1H AMIHBC 9,45,54
 skn-rat LD50:4200 µg/kg TXAP9 2,88,60
 ipr-rat LD50:1350 µg/kg PSEBAA 114,509,63
 orl-mus LD50:4 mg/kg AMIHBC 9,45,54
 skn-mus LD50:12 mg/kg JTEHD6 9,491,82
 ipr-mus LD50:2 mg/kg CJBPAZ 39,1790,61
 scu-mus LD50:1180 µg/kg JPPMAB 19,612,67
 ivn-mus LD50:680 µg/kg JPPMAB 19,612,67
 skn-rbt LD50:4700 µg/kg GUCHAZ 6,353,73
 orl-pgn LD50:4210 µg/kg ASTTA8 (680),157,79
 orl-qal LD50:23,700 µg/kg ASTTA8 (680),157,79
 ipr-grb LD50:450 µg/kg TXAP9 36,195,76
 orl-dck LD50:4600 µg/kg DOEAAH 35,25,79
 skn-dck LD50:11 mg/kg TXAP9 47,451,79
 orl-brd LD50:1400 µg/kg JTCEEM 6(3),175,86
 orl-rat TDLo:5400 mg/kg/90D-C CHYCDW 20,12,86

CONSENSUS REPORTS: EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.01 ppm; STEL 0.03 ppm (skin)

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

DFG MAK: 0.01 ppm (0.093 mg/m³)

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: peripheral motor nerve recording changes. An insecticide. When heated to decomposition it emits toxic fumes of PO_x.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Mevinphos (Phosdrin) 2503.

MQR760 CAS: 31868-18-5 HR: 2

MEXAZOLAM

mf: C₁₈H₁₆Cl₂N₂O₂ mw: 363.26

PROP: Crystals. Mp: 172–175°.

SYNS: CS 386 □ MELEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:4500 mg/kg SKKNAJ 30,175,78
 ipr-rat LD50:4000 mg/kg SKKNAJ 30,175,78
 scu-rat LD50:4000 mg/kg SKKNAJ 30,175,78
 orl-mus LD50:4571 mg/kg SKKNAJ 30,175,78
 ipr-mus LD50:6000 mg/kg SKKNAJ 30,175,78
 scu-mus LD50:6000 mg/kg SKKNAJ 30,175,78

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

MQR765 CAS: 5945-40-4 HR: 3

MEXICANINE E

mf: C₁₄H₁₆O₃ mw: 232.30

SYNS: AZULENO(6,5-B)FURAN-2,5-DIONE,3,3A,4,4A,7A,8,9,9A-OCTAHYDRO-8-(METHYL-3-METHYLENE-, (3ar-(3A-α,4A-α,7A-α,8-α,9A-α)) □ MEXICANIN E

TOXICITY DATA with REFERENCE:

ipr-mus LD50:3080 µg/kg RCOCB8 28,189,1980

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

MQR775 CAS: 5370-01-4 HR: 3

MEXILETINE HYDROCHLORIDE

mf: C₁₁H₁₇NO•ClH mw: 215.75

PROP: Crystals from EtOH/Et₂O. Mp: 203–205°.

SYNS: KO 1173 □ KOE 1173 HYDROCHLORIDE □ 1-METHYL-2-(2,6-XYLYLOXY)-ETHYLAMINE HYDROCHLORIDE □ MEXITIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:330 mg/kg IYKEDH 13,922,82
 scu-rat LD50:500 mg/kg IYKEDH 13,922,82
 ivn-rat LD50:27 mg/kg IYKEDH 13,922,82
 ims-rat LD50:190 mg/kg IYKEDH 13,922,82
 orl-mus LD50:272 mg/kg ARZNAD 38,1398,88
 scu-mus LD50:235 mg/kg IYKEDH 13,922,82
 ivn-mus LD50:21 mg/kg BLIAX 85,152,86
 ims-mus LD50:128 mg/kg IYKEDH 13,922,82
 orl-dog LD50:356 mg/kg IYKEDH 16,590,85

SAFETY PROFILE: Poison by ingestion, subcutaneous, intramuscular, and intravenous routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also AMINES.

MQS100 CAS: 30578-37-1 HR: 3

MEZINIUM METHYL SULFATE

mf: C₁₁H₁₂N₃O•CH₃O₄S mw: 313.36

PROP: Crystals from water and MeCN. Mp: 173–174° (decomp).

SYNS: AMEZINIUMMETILSULFAT (GERMAN) □ AMEZINIUM METILSULFATE □ 4-AMINO-6-METHOXY-1-PHENYLPYRID-
 AZINIUM-METHYLSULFAT (GERMAN) □ 4-AMINO-6-METHO-
 XY-1-PHENYLPYRIDAZINIUM METHYL SULFATE □ LU 1631 □
 REGULTON □ SUPRATONIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1410 mg/kg ARZNAD 31,1580,81
 ivn-rat LD50:45 mg/kg ARZNAD 31,1580,81
 orl-mus LD50:1330 mg/kg YACHDS 16,1471,88
 ivn-mus LD50:40 mg/kg ARZNAD 31,1580,81

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x.

**MQS200 CAS: 51481-65-3 HR: 2
MEZLOCILLIN**

mf: C₂₁H₂₄N₅O₈S₂•Na mw: 561.61

SYN: ANTIBIOTIC BAY-f 1353

TOXICITY DATA with REFERENCE:

ivn-rat LD50:2636 mg/kg OYYAA2 17,513,79

ivn-mus LD50:6329 mg/kg OYYAA2 17,513,79

SAFETY PROFILE: Moderately toxic by intravenous route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and Na₂O.

**MQS215 HR: D
MIANG TEA LEAF EXTRACT**

TOXICITY DATA with REFERENCE:

dns-hmn:lym 5000 ppm CNREA8 39,480,279

dni-rat:mmr 25,000 ppm CNREA8 39,480,279

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

**MQS220 CAS: 24219-97-4 HR: 3
MIANSERINE**

mf: C₁₈H₂₀N₂ mw: 264.40

SYN: DIBENZO(c,f)PYRAZINO(1,2-a)AZEPINE, 1,2,3,4,10,14b-HEXAHYDRO-2-METHYL- □ 1,2,3,4,10,14b-HEXAHYDRO-2-METHYLDIBENZO(c,f)PYRAZINO(1,2-a)AZEPINE □ MIANSERIN □ MIANSERYNA

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:25 mg/kg/6W-I:BLD BMJOAE 291,1375,85

orl-mus LD50:365 mg/kg DDREDK 3,357,83

ipr-mus LD50:130 mg/kg APPHAX 40,235,83

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: agranulocytosis. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

**MQS225 CAS: 3704-09-4 HR: 2
MIBOLERONE**

mf: C₂₀H₃₀O₂ mw: 302.50

PROP: Crystalline solid from Me₂CO/hexane. Solubility in deionized water: 0.0454 mg/mL @ 37°.

SYN: CHEQUE □ (7-α,17-β)-17-HYDROXY-7,17-DIMETHYLESTR-4-EN-3-ONE (9CI) □ 17-β-HYDROXY-7-α,17-DIMETHYLESTR-4-EN-3-ONE □ MATENON □ MIBOLERON □ U 10997

TOXICITY DATA with REFERENCE:

orl-dog TDLo:8985 µg/kg/9.6Y-I:NEO TOPADD 13,177,85

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

MQS250 CAS: 12001-26-2 HR: 2

MICA

PROP: Containing less than 1% crystalline silica (FEREAC 39,23540,74). IDLH 1500 mg/m³.

SYN: MICA SILICATE □ SUZORITE MICA

OSHA PEL: TWA Respirable Fraction: 3 mg/m³

ACGIH TLV: TWA Respirable Fraction: 3 mg/m³

NIOSH REL: (Silicates <1% Crystalline Silica) TWA 3 mg/m³

SAFETY PROFILE: The dust is injurious to lungs. See SILICATES.

**MQS500 CAS: 90-94-8 HR: 3
MICHLER'S KETONE**

mf: C₁₇H₂₀N₂O mw: 268.39

PROP: Leaves from ethanol. Mp: 179°, bp: >360° decomp. Insol in water; very sol in benzene; sol in alc; very sltly sol in ether.

SYN: p,p'-BIS(N,N-DIMETHYLAMINO)BENZOPHENONE □ 4,4'-BIS(DIMETHYLAMINO)BENZOPHENONE □ BIS(p-(N,N-DIMETHYLAMINO)PHENYL)KETONE □ BIS(4-(DIMETHYLAMINO)PHENYL)METHANONE □ p,p'-MICHLER'S KETONE □ NCI-C02006 □ TETRAMETHYLDIAMINO BENZOPHENONE

TOXICITY DATA with REFERENCE:

mma-sat 33,300 ng/plate ENMUDM 7(Suppl 5),1,85

cyt-ham:fbr 1500 µg/L MUTAEX 1,17,86

orl-rat TDLo:15 g/kg/78W-C:CAR NCITR* NCI-TR-181,79

orl-mus TDLo:82 g/kg/78W-C:CAR NCITR* NCI-TR-181,79

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

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-181,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Confirmed human carcinogen with experimental carcinogenic and neoplastigenic data. A poison by ingestion. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x. See also KETONES.

**MQS550 CAS: 22916-47-8 HR: 3
MICONAZOLE**

mf: C₁₈H₁₄Cl₄N₂O mw: 416.14

PROP: (+)-Form: Mp: 135.3°. (-)-Form: Mp: 135°.

SYN: DAKTARIN □ IMIDAZOLE, 1-(2-(2,4-DICHLOROPHENYL)-2-(2,4-DICHLOROPHENYL)METHOXY)ETHYL)-(9CI) □ MONISTAT □ R 18134

TOXICITY DATA with REFERENCE:

sln-asn 410 µg/L MUREAV 79,169,80

ivn-inf TDLo:104 mg/kg/4D-I MJAUJ 146,57,87

ipr-rat LD50:349 mg/kg ARZNAD 31,2145,81

orl-mus LD50:872 mg/kg ARZNAD 31,2145,81

ipr-mus LD50:451 mg/kg ARZNAD 31,2145,81

ivn-dog LD50:60 mg/kg DRUGAY 19,7,80

ivn-mam LD50:100 mg/kg DRUGAY 19,7,80

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

Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

MQS560 CAS: 22832-87-7 HR: 3
MICONAZOLE NITRATE

mf: $\text{C}_{18}\text{H}_{14}\text{Cl}_4\text{N}_2\text{O} \cdot \text{HNO}_3$ mw: 479.16

PROP: A solid. Mp: 170–185°.

SYNS: 1-(2,4-DICHLORO- β -(2,4-DICHLOROBENZYL)OXY)PHENETHYL)-IMIDAZOLE NITRATE

□ MCZ NITRATE □ R 14889

TOXICITY DATA with REFERENCE:

orl-rat LD50:920 mg/kg NIIRDN 6,809,82
 ipr-rat LD50:1060 mg/kg NIIRDN 6,809,82
 ivn-rat LD50:14,700 $\mu\text{g}/\text{kg}$ IYKEDH 11,181,80
 orl-mus LD50:578 mg/kg CHTHBK 17(6),392,72
 ipr-mus LD50:480 mg/kg NIIRDN 6,809,82
 ivn-mus LD50:28 mg/kg IYKEDH 11,181,80
 orl-gpg LD50:276 mg/kg CHTHBK 17(6),392,72

SAFETY PROFILE: Poison by ingestion and intravenous routes. Moderately toxic by intraperitoneal route. An experimental teratogen. Experimental reproductive effects. An antimycotic. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also NITRATES.

MQS565 CAS: 67401-56-3 HR: 2
MICROCOCCIN

mf: $\text{C}_{48}\text{H}_{49}\text{N}_{13}\text{O}_9\text{S}_6$ mw: 1144.46

SYNS: MICROCOCCIN P1 □ MICROCOCCIN P, 13',19'-DIDEHYDRO-19'-DEOXY-28,44-DIHYDRO-44-HYDROXY-

TOXICITY DATA with REFERENCE:

scu-mus LD50:1500 mg/kg 85GDA2 4(1),415,80

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

MQS579 CAS: 52093-21-7 HR: 3
MICROMYCIN

mf: $\text{C}_{20}\text{H}_{41}\text{N}_5\text{O}_7$ mw: 463.66

PROP: Amorphous solid from H_2O . Mp: 260° (decomp).

SYNS: ANTIBIOTIC KW 1062 □ ANTIBIOTIC XK 62-2 □ GENTAMICIN C2b □ GENTAMICIN C2b □ KW-1062 □ 6'-N-METHYL GENTAMICIN C1a □ MICROMICIN □ SAGAMICIN □ SAGAMICIN (OBS.) □ XK-62-2

TOXICITY DATA with REFERENCE:

scu-rat LD50:1223 mg/kg JJANAX 30,408,77
 ivn-rat LD50:104 mg/kg JJANAX 30,408,77
 ims-rat LD50:625 mg/kg JJANAX 30,408,77
 orl-mus LD50:15,600 mg/kg JJANAX 30,408,77
 ipr-mus LD50:274 mg/kg JJANAX 30,408,77
 scu-mus LD50:350 mg/kg JJANAX 30,408,77
 ivn-mus LD50:75 mg/kg JJANAX 30,408,77
 ims-mus LD50:245 mg/kg JJANAX 30,408,77
 ims-dog LD50:459 mg/kg JJANAX 30,408,77

SAFETY PROFILE: Poison by intravenous, intraperitoneal, subcutaneous, and intramuscular routes. An experimental teratogen. Experimental reproductive effects. An antibiotic. When heated to decomposition it emits toxic fumes of NO_x .

MQS600 CAS: 82643-25-2 HR: 3
MICRONOMYCIN SULFATE

mf: $\text{C}_{21}\text{H}_{43}\text{N}_5\text{O}_6 \cdot \text{H}_2\text{O}_4\text{S}$ mw: 559.77

SYNS: d-o-2-AMINO-2,3,4,6-TETRADEOXY-6-(METHYL-AMINO)- α -d-erythro-HEXOPYRANOSYL-(1-4)-o-(3-DEOXY-4-C-METHYL-3-(METHYLAMINO)- β -1-ARABINOPYRANOSYL-(1-6))-2-DEOXY-STREPTAMINE SULFATE □ MICRONOMICIN SULFATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:1223 mg/kg NIIRDN 6,APP-18,82
 ivn-rat LD50:104 mg/kg JJANAX 36,3204,83
 ims-rat LD50:625 mg/kg JJANAX 36,3204,83
 scu-mus LD50:350 mg/kg NIIRDN 6,APP-18,82
 ivn-mus LD50:245 mg/kg NIIRDN 6,APP-18,82
 ivn-dog LD50:459 mg/kg NIIRDN 6,APP-18,82
 ims-dog LD50:459 mg/kg JJANAX 36,3204,83

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

MQS750 HR: 3
MICRURUS ALLENI YATESI VENOM

SYN: VENOM, COSTA RICAN SNAKE, MICRURUS ALLENI YATESI

TOXICITY DATA with REFERENCE:

ipr-mus LD50:113 $\mu\text{g}/\text{kg}$ AJTHAB 21,360,72
 ivn-mus LD50:750 $\mu\text{g}/\text{kg}$ AJTHAB 21,360,72

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes.

MQT000 HR: 3
MICRURUS CARINICAUDUS DUMERILII VENOM

SYNS: M. CARINICAUDUS DUMERILII VENOM □ M.C. DUMERILLI VENOM

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1075 $\mu\text{g}/\text{kg}$ TOXIA6 13,139,75
 ivn-mus LD50:1075 $\mu\text{g}/\text{kg}$ TOXIA6 13,139,75

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes.

MQT100 HR: 3
MICRURUS FULVIUS VENOM

SYN: VENOM, SNAKE, MICRURUS FULVIUS

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:8 mg/kg TOXIA6 9,219,71
 ipr-mus LD50:330 $\mu\text{g}/\text{kg}$ 14FHAR -,409,63
 scu-mus LD50:1300 $\mu\text{g}/\text{kg}$ TOXIA6 5,47,67
 ivn-mus LD50:240 $\mu\text{g}/\text{kg}$ 14FHAR -,409,63
 ivn-dog LDLo:500 $\mu\text{g}/\text{kg}$ 19DDA6 1,269,67
 ivn-cat LDLo:2 mg/kg TOXIA6 9,219,71
 ipr-mam LD50:970 $\mu\text{g}/\text{kg}$ CLPTAT 8,849,67

SAFETY PROFILE: A deadly poison by subcutaneous, intravenous, and intraperitoneal routes.

MQT250 HR: 3
MICRURUS MIPARTIUS HERTWIGI VENOM

SYN: VENOM, COSTA RICAN SNAKE, MICRURUS MIPARTIUS HERTWIGI

TOXICITY DATA with REFERENCE:

ipr-mus LD50:238 $\mu\text{g}/\text{kg}$ AJTHAB 21,360,72
 ivn-mus LD50:1875 $\mu\text{g}/\text{kg}$ AJTHAB 21,360,72

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes.

MQT500 **HR: 3**
MICRURUS NIGROCINCTUS VENOM

SYN: VENOM, COSTA RICAN SNAKE, MICRURUS NIGROCINCTUS

TOXICITY DATA with REFERENCE:

ipr-mus LD50:444 µg/kg AJTHAB 21,360,72
 ivn-mus LD50:419 µg/kg AJTHAB 21,360,72

SAFETY PROFILE: A deadly poison by intraperitoneal and intravenous routes.

MQT525 **CAS: 59467-70-8** **HR: 3**
MIDAZOLAM

mf: C₁₆H₁₃ClFN₃ mw: 325.79

PROP: A solid. Mp: 158–160°.

SYN: 8-CHLORO-6-(2-FLUOROPHENYL)-1-METHYL-4H-IMIDAZO(1,5-a)(1,4)BENZODIAZEPINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg BCPHBM 16(Suppl 1),375,83
 ivn-rat LD50:75 mg/kg BCPHBM 16(Suppl 1),375,83
 orl-mus LD50:1600 mg/kg BCPHBM 16(Suppl 1),375,83
 ivn-mus LD50:50 mg/kg BCPHBM 16(Suppl 1),375,83

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of F⁻, Cl⁻, and NO_x.

MQT530 **CAS: 3092-17-9** **HR: 3**
MIDODRINE

mf: C₁₂H₁₈N₂O₄•ClH mw: 290.78

PROP: Crystals. Mp: 202–204°.

SYNS: ACETAMIDE, 2-AMINO-N-(2-(2,5-DIMETHOXYPHENYL)-2-HYDROXYETHYL)-, MONOHYDROCHLORIDE, (±)- (9CI) □ ACETAMIDE, 2-AMINO-N-(β-HYDROXY-2,5-DIMETHOXYPHENETHYL)-, MONOHYDROCHLORIDE, (±)- □ 1-(2',5'-DIMETHOXYPHENYL)-2-GLYCINAMIDOETHANOL HYDROCHLORIDE □ GUTRON □ (±)-MIDODRINE HYDROCHLORIDE □ ST 1085

TOXICITY DATA with REFERENCE:

orl-rat LD50:68,800 µg/kg KSRNAM 21,49,87
 ipr-rat LD50:31,300 µg/kg KSRNAM 21,49,87
 scu-rat LD50:51 mg/kg KSRNAM 21,49,87
 ivn-rat LD50:18,200 µg/kg KSRNAM 21,49,87
 orl-mus LD50:246 mg/kg KSRNAM 21,49,87
 ipr-mus LD50:171 mg/kg KSRNAM 21,49,87
 scu-mus LD50:170 mg/kg KSRNAM 21,49,87
 orl-dog LD50:150 mg/kg KSRNAM 21,49,87

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl.

MQT550 **CAS: 51781-21-6** **HR: 3**
MIKELAN

mf: C₁₆H₂₄N₂O₃•ClH mw: 328.88

PROP: Crystals from EtOH. Mp: 278°.

SYNS: ABBOTT-43326 □ 5-(3-tert-BUTYLAMINO-2-HYDROXY)-PROPOXY-3,4-DIHYDROCARBOSTYRIL HYDROCHLORIDE □ 5-(3-tert-BUTYLAMINO-2-HYDROXY)-PROPOXY-3,4-DIHYDRO-(2(1H)-CHINOLINON-HYDROCHLORID (GERMAN) □

CARTEOLOL HYDROCHLORIDE □ ENDAK □ ENDAK MITE □ OC 1085 □ OPC 1085

TOXICITY DATA with REFERENCE:

orl-rat LD50:1330 mg/kg OYYAA2 11,159,76
 ipr-rat LD50:390 mg/kg OYYAA2 11,159,76
 scu-rat LD50:1950 mg/kg OYYAA2 11,159,76
 ivn-rat LD50:153 mg/kg OYYAA2 11,159,76
 orl-mus LD50:810 mg/kg ARZNAD 33,290,83
 ipr-mus LD50:375 mg/kg ARZNAD 33,290,83
 scu-mus LD50:600 mg/kg IYKEDH 12,668,81
 ivn-mus LD50:54,500 µg/kg IYKEDH 12,668,81
 orl-dog LD50:830 mg/kg ARZNAD 33,290,83
 orl-rbt LD50:740 mg/kg OYYAA2 11,165,76
 ivn-rbt LD50:112 mg/kg OYYAA2 11,165,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

MQT600 **CAS: 77855-81-3** **HR: 2**
MILBEMYCIN D

mf: C₂₂H₄₈O₇ mw: 424.06

PROP: Needles from hexane/EtOAc. Mp: 186–188°.

SYNS: ANTIBIOTIC B 41D □ B 41D □ (6R,25)-5-o-DEMETHYL-28-DEOXY-6,28-EPOXY-25-(1-METHYLETHYL)MILBEMYCIN B

TOXICITY DATA with REFERENCE:

orl-rat LD50:2467 mg/kg SKKNAJ 35,71,83
 orl-mus LD50:1610 mg/kg SKKNAJ 35,71,83
 ipr-mus LD50:668 mg/kg SKKNAJ 35,71,83

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

MQT750 **HR: 3**
MILBEX mixed with PHOSALON (2:1)

SYNS: MILBEX mixed with PHOSALONE (2:1) □ PHOSALON mixed with MILBEX (1:2) □ PHOSPHORODITHIOIC ACID, O,O-DIETHYL ESTER, S-ESTER with 6-CHLORO-3-(MERCAPTO-METHYL)-2-BENZOXAZOLINONE mixed with MILBEX (1:2)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg GTPZAB 19(9),55,75
 orl-mus LD50:335 mg/kg GTPZAB 19(9),55,75

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

MQU000 **CAS: 67527-71-3** **HR: 2**
MILDIOMYCIN

mf: C₁₉H₃₀N₈O₉•H₂O mw: 532.59

PROP: Isolated from culture filtrate of *Streptovorticillium rimofaciens* B-98891 (JANTAJ 31,519,78).

SYNS: ANTIBIOTIC B-98891 □ B-98891 □ MIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg JANTAJ 31,519,78
 scu-rat LD50:500 mg/kg JANTAJ 31,519,78
 ivn-rat LD50:500 mg/kg JANTAJ 31,519,78
 orl-mus LD50:2500 mg/kg JANTAJ 31,519,78
 scu-mus LD50:500 mg/kg JANTAJ 31,519,78
 ivn-mus LD50:500 mg/kg JANTAJ 31,519,78

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

MQU075 **HR: D**
MILK-CLOTTING ENZYME from BACILLUS CEREUS

PROP: Derived from *Bacillus cereus* (Fam. *Bacillaceae*).

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

MQU100 **HR: D**
MILK-CLOTTING ENZYME from ENDOTHIA PARASITICA

PROP: Derived from *Endothia parasitica* (Fam. *Diaphoraceae*).

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

MQU120 **HR: D**
MILK-CLOTTING ENZYME from MUCOR MIEHEI
PROP: Derived from *Mucor miehei* Cooney et Emerson (Fam. *Mucoraceae*).

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

MQU125 **HR: D**
MILK-CLOTTING ENZYME from MUCOR PUSILLUS

PROP: Derived from *Mucor pusillus* Lindt (Fam. *Mucoraceae*).

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

MQU250 **HR: 2**
MIL L 7808

PROP: Composition consisting of bis(2-ethylhexyl)sebacate, tricresyl phosphate, and phenothiazine (94.5%, 5.0%, 0.5% by wt) (MRLR** No. 256,54).

TOXICITY DATA with REFERENCE:

orl-rat LD50:4740 mg/kg MRLR** #256,54

ivn-rat LD50:1260 mg/kg MRLR** #256,54

ivn-rbt LD50:760 mg/kg MRLR** #256,54

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and PO_x. See also BIS(2-ETHYLHEXYL)SEBACATE, and TRITOLYL PHOSPHATE.

MQU500 **HR: 3**
MIL L 17535

PROP: Composition consisting of diisoamyl adipate, barium petroleum sulfonate, phenothiazine (96.65%, 3.0%; 0.35% by wt) (MRLR** No. 256,54).

TOXICITY DATA with REFERENCE:

ivn-rat LD50:160 mg/kg MRLR** No. 256,54

ivn-rbt LD50:190 mg/kg MRLR** No. 256,54

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

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also ADIPIC ACID DIISOPENTYL ESTER and PHENOTHIAZINE.

MQU510 **CAS: 1314-04-1** **HR: 3**
MILLERITE

mf: NiS mw: 90.77

CONSENSUS REPORTS: IARC Cancer Review: Animal Sufficient Evidence IMEMDT 49,257,90.

SAFETY PROFILE: Confirmed carcinogen. When heated to decomposition it emits acrid smoke and irritating vapors.

MQU525 **CAS: 37065-29-5** **HR: D**
MILOXACIN

mf: C₁₂H₉NO₆ mw: 263.22

PROP: Colorless prisms from DMF. Mp: 264° (decomp).

SYNS: AB 206 □ ANTIBIOTIC AB 206 □ 5,8-DIHYDRO-5-METHOXY-8-OXO-2H-1,3-DIOXOLO(4,5-g)QUINOLINE-7-CARBOXYLIC ACID □ FULDAZIN

TOXICITY DATA with REFERENCE:

dni-esc 100 µg/L AMACCQ 17,763,80

dni-srm 270 mg/L AMACCQ 17,763,80

dni-omi 290 mg/L AMACCQ 17,763,80

dni-omi 140 mg/L AMACCQ 17,763,80

SAFETY PROFILE: An experimental teratogen.

Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

MQU600 **CAS: 78415-72-2** **HR: 3**
MILRINONE

mf: C₁₂H₉N₃O mw: 211.24

SYNS: (3,4'-BIPYRIDINE)-5-CARBONITRILE,1,6-DIHYDRO-2-METHYL-6-OXO- □ 1,6-DIHYDRO-2-METHYL-6-OXO-(3,4'-BIPYRIDINE)-5-CARBONITRILE □ YM 018 □ WIN 47203

TOXICITY DATA with REFERENCE:

orl-rat LD50:91 mg/kg NCDREP 3,245,1985

scu-rat LD50:58 mg/kg IYKEDH 27,652,1996

ivn-rat LD50:73 mg/kg NCDREP 3,245,1985

orl-mus LD50:137 mg/kg NCDREP 3,245,1985

scu-mus LD50:62 mg/kg IYKEDH 27,652,1996

ivn-mus LD50:79 mg/kg NCDREP 3,245,1985

SAFETY PROFILE: A poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x.

MQU750 **CAS: 57-53-4** **HR: 3**
MILTOWN

mf: C₉H₁₈N₂O₄ mw: 218.29

PROP: Crystals with bitter taste. Mp: 104–106°.

SYNS: AMEPROMAT □ AMOSENE □ ANASTRESS □ ANATHYLMON □ ANDAKSIN □ ANDAXIN □ ANEURAL □ ANEUXRAL □ ANSIATAN □ ANSIL □ ANSIOWAS □ ANURAL □ ANXIETIL □ APASCIL □ ARCOBAN □ ARTOLON □ ATRAXINE □ AYERMATE □ BAMD 400 □ BIOBAMAT □ BROBAMATE □ CALMADIN □ CALMAX □ CALMIREN □ CANQUIL-400 □ CAP-O-TRAN □ CIRPONYL □ CRESTANIL □ CYPRON □ DAPAZ □ DICANDIOL □ 2,2-DI(CARBAMOYLOXY-METHYL)PENTANE □ DIVERON □ DORMABROL □ ECUANIL

□ EDENAL □ ENORDEN □ EPICUR □ EQUANIL SUSPENSION
 □ EQUILUM □ EQUINIL □ ERINA □ ESTASIL □ FAS-CILE □
 GADEXYL □ HARMONIN □ HARTOL □ HOLBAMATE □
 IPSOTIAN □ KESSOBAMATE □ KLORT □ LARTEN □ LEPENIL
 □ LEPETOWN □ LETYL □ LIBIOLAN □ MADIOL □ MAR
 BATE □ MARGONIL □ MENDEL □ MEPAMTIN □ MEPAVLON
 □ MEPIOSINE □ MEPOSED □ MEPRANIL □ MEPROBAM □
 MEPROBAMAT (GERMAN) □ MEPROBAMATE □ MEPROBAM-
 ATO (ITALIAN) □ MEPROCOMPREN □ MEPROCON CMC □
 MEPRODIL □ MEPROLEAF □ MEPROSAN □ MEPROTABS □
 MEPROZINE □ MEPTAN □ 2-METHYL-2-N-PROPYL-1,3-
 PROPANEDIOL DICARBAMATE □ 2-METHYL-2-PROPYLTRI-
 METHYLENE CARBAMATE □ METRACTYL □ MILPREM □
 MILTANN □ NEO-TRAN □ NEPHENTINE □ OROLEVOL □
 PANCALMA □ PAN-TRANQUIL □ PEREQUIL □ PLACIDON □
 PROCALMIDOL □ PROQUANIL □ QUIETIDON □ RESTENIL □
 ROBAMATE □ SEDABAMATE □ SERIL □ SPANTRAN □
 TRANQUILAN □ TRELMAR □ URBIL □ VISTABAMATE □
 WARDAMATE □ WYSEALS □ ZIRPON

TOXICITY DATA with REFERENCE:

cyt-mus-ori 26,667 µg/kg PISCAD 59(Pt. 3),547,72
 ori-cld TDLo:80 mg/kg HUTODJ 4,215,85
 ori-wmn LDLo:760 mg/kg JAMAAP 207,361,69
 ori-hmn TDLo:280 mg/kg:CNS OSMJAT 52,1304,56
 ori-man TDLo:5700 µg/kg:PUL,GIT,SKN JIMSAX
 41,119,57
 ori-wmn TDLo:384 mg/kg:CVS,PUL NOMDA6
 56,321,57
 unr-man LDLo:441 mg/kg 85DCAI 2,73,70
 ori-rat LD50:794 mg/kg TXAPA9 19,93,71
 ipr-rat LD50:410 mg/kg JPETAB 129,75,60
 ivn-rat LD50:350 mg/kg PMARAU 44,915,57
 ori-mus LD50:750 mg/kg JMCMA 15,998,72
 ipr-mus LD50:331 mg/kg DPHFAK 23,281,71
 scu-mus LD50:520 mg/kg JPPMAB 26,109,74
 ivn-mus LD50:230 mg/kg EJMCA5 12,447,77
 ivn-rbt LD50:260 mg/kg IJNEAQ 5,305,66
 scu-gpg LD50:380 mg/kg AIPTAK 137,375,62
 ori-ham LD50:1410 mg/kg JPETAB 129,75,60
 ipr-ham LD50:625 mg/kg JPETAB 129,75,60

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

SAFETY PROFILE: Human poison by unspecified routes. Moderately toxic to humans and experimentally by ingestion. Experimental poison by intravenous, intraperitoneal, and subcutaneous routes. An experimental teratogen. Human systemic effects by ingestion: coma, blood pressure decrease, regional or general arteriolar constriction, dyspnea, cyanosis, respiratory depression, nausea or vomiting, and allergic skin dermatitis. Experimental reproductive effects. Mutation data reported. Implicated in aplastic anemia. Used as a tranquilizer. When heated to decomposition it emits toxic fumes of NO_x. See also CARBAMATES.

MQV000 CAS: 8031-03-6 HR: 1

MIMOSA ABSOLUTE

PROP: From the flowers of *Acacia decurrens* var. *dealbata* (FCTXAV 13,681,75).

SYN: ABSOLUTE MIMOSA

TOXICITY DATA with REFERENCE:

skn-gpg 100% MLD FCTXAV 13,873,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MQV250 CAS: 1401-55-4 HR: 3
MIMOSA TANNIN

SYNS: ACACIA MOLLISSIMA TANNIN □ TANNIN from MIMOSA

TOXICITY DATA with REFERENCE:

ipr-mus LD50:320 mg/kg JPPMAB 9,98,57

ivn-mus LD50:130 mg/kg JPPMAB 9,98,57

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes. See also TANNIN.

MQV500 HR: D
MINERAL DUSTS

SAFETY PROFILE: Variable toxicity. From the economic and toxicity standpoints, the most important are those containing free silica, which can cause silicosis upon inhalation of sufficient quantity. These include sand, sandstone, quartz, and flint. They consist mainly of silica in the form of quartz; diatomaceous earth, which is essentially amorphous silica; and granite, which contains 20–40% quartz. Minerals that contain combined silica in the form of silicates but no free silica are generally less capable of causing silicosis. Asbestos, however, can cause a fibrotic lung condition of its own, known as asbestosis, and lung cancer. (See also various asbestos entries.) Mica and talc dust are also considered somewhat hazardous. Non-siliceous minerals, like limestone, marble, dolomite, etc., that do not contain toxic elements, do not ordinarily present any significant dust hazard. Minerals containing toxic elements, such as cryolite, which contains fluorine, and pyrolusite, which contains manganese, may cause systemic poisoning upon inhalation or ingestion of sufficient quantity. In any event, the minerals are usually less reactive than synthetic compounds of the same elements and, in fact, may be relatively inert by comparison. These are common air contaminants. See also specific materials.

MQV750 CAS: 8012-95-1 HR: 2
MINERAL OIL

PROP: Colorless, oily liquid; practically tasteless and odorless. D: 0.83–0.86 (light), 0.875–0.905 (heavy), flash p: 444°F (OC), ULC: 10–20. Insol in water and alc; sol in benzene, chloroform, and ether. A mixture of liquid hydrocarbons from petroleum. IDLH 2500 mg/m³.

SYNS: ADEPSINE OIL □ ALBOLINE □ BAYOL F □
 BLANDLUBE □ CRYSTOSOL □ DRAKEOL □ FONOLINE □
 GLYMOL □ KAYDOL □ KONDREMUL □ MINERAL OIL,
 WHITE (FCC) □ MOLOL □ NEO-CULTOL □ NUJOL □ OIL
 MIST, MINERAL (OSHA, ACGIH) □ PARAFFIN OIL □ PAROL □
 PAROLEINE □ PENETACK □ PENRECO □ PERFECTA □
 PETROGALAR □ PETROLATUM, liquid □ PRIMOL 335 □
 PROTOPET □ SAXOL □ TECH PET F □ WHITE MINERAL OIL

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MLD CTOIDG 94(8),41,79
 eye-rbt 250 mg/5D MLD AMIHAB 14,265,56
 skn-gpg 100 mg/24H MLD CTOIDG 94(8),41,79
 ihl-man TCLo:5 mg/m³/5Y-I:CAR,GIT,TER JOCMA7
 23,333,81
 orl-mus LD50:22 g/kg ATXKA8 30,243,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: Oil Mist: TWA 5 mg/m³

SAFETY PROFILE: A human teratogen by inhalation that causes testicular tumors in the fetus. Inhalation of vapor or particulates can cause aspiration pneumonia. A skin and eye irritant. Highly purified food grades are of low toxicity. Questionable human carcinogen producing gastrointestinal tumors. Slightly combustible liquid when exposed to heat or flame. To fight fire, use dry chemical, CO₂, foam. When heated to decomposition it emits acrid smoke and fumes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Mineral Oil Mist, 5026.

MQV755 CAS: 64741-49-7 HR: 3
MINERAL OIL, PETROLEUM CONDENSATES,
VACUUM TOWER

SYNS: CONDENSATES (PETROLEUM), VACUUM TOWER (9CI)
 □ VACUUM RESIDUUM

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV760 CAS: 64742-18-3 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
ACID-TREATED HEAVY NAPHTHENIC (mild
or no solvent-refining or hydrotreatment)

SYNS: ACID-TREATED HEAVY NAPHTHENIC DISTILLATE □ DISTILLATES (PETROLEUM), ACID-TREATED HEAVY NAPHTHENIC (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV765 CAS: 64742-20-7 HR: 2
MINERAL OIL, PETROLEUM DISTILLATES,
ACID-TREATED HEAVY PARAFFINIC
(severe solvent-refining and/or
hydrotreatment)

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,252,87; Animal Inadequate Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV770 CAS: 64742-19-4 HR: 3

MINERAL OIL, PETROLEUM DISTILLATES,
ACID-TREATED LIGHT NAPHTHENIC (mild
or no solvent-refining or hydrotreatment)

SYNS: ACID-TREATED LIGHT NAPHTHENIC DISTILLATE □ DISTILLATES (PETROLEUM), ACID-TREATED LIGHT NAPHTHENIC (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV775 CAS: 64742-21-8 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
ACID-TREATED LIGHT PARAFFINIC (mild or
no solvent-refining or hydrotreatment)

SYNS: ACID-TREATED LIGHT PARAFFINIC DISTILLATE □ DISTILLATES (PETROLEUM), ACID-TREATED LIGHT PARAFFINIC (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV776 CAS: 64742-68-3 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES
CATALYTIC DEWAXED HEAVY
NAPHTHENIC (mild or no solvent-refining or
hydrotreatment)

SYNS: CATALYTIC-DEWAXED HEAVY NAPHTHENIC DISTILLATE □ NAPHTHENIC OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV777 CAS: 64742-69-4 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES
CATALYTIC DEWAXED LIGHT NAPHTHENIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: CATALYTIC-DEWAXED LIGHT NAPHTHENIC DISTILLATE □ NAPHTHENIC OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV778 CAS: 64742-70-7 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES
CATALYTIC DEWAXED HEAVY PARAFFINIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: CATALYTIC-DEWAXED HEAVY PARAFFINIC DISTILLATE □ PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED HEAVY (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV779 CAS: 64742-71-8 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES
CATALYTIC DEWAXED LIGHT PARAFFINIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: CATALYTIC-DEWAXED LIGHT PARAFFINIC DISTILLATE □ PARAFFIN OILS (PETROLEUM), CATALYTIC DEWAXED LIGHT (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV780 CAS: 64741-53-3 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HEAVY NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), HEAVY NAPHTHENIC (9CI) □ HEAVY NAPHTHENIC DISTILLATE □ HEAVY NAPHTHENIC DISTILLATES (PETROLEUM)

TOXICITY DATA with REFERENCE:

mmo-sat 5 µL/plate CBTOE2 2,63,86

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV785 CAS: 64741-51-1 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HEAVY PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), HEAVY PARAFFINIC (9CI) □ HEAVY PARAFFINIC DISTILLATE

TOXICITY DATA with REFERENCE:

mmo-sat 3 µL/plate CBTOE2 2,63,86

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen. Mutation data reported.

MQV790 CAS: 64742-52-5 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HYDROTREATED (mild) HEAVY
NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), HYDROTREATED (mild) HEAVY NAPHTHENIC (9CI) □ HYDROTREATED (mild) HEAVY NAPHTHENIC DISTILLATE □ HYDROTREATED (mild) HEAVY

NAPHTHENIC DISTILLATES (PETROLEUM) □ PETROLEUM DISTILLATES, HYDROTREATED (mild) HEAVY NAPHTHENIC

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,133,90

mmo-sat 10 µL/plate CBTOE2 2,63,86

orl-rat LD:>5 g/kg JACTDZ 1,133,90

skn-rbt LD:>5 g/kg JACTDZ 1,133,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Inadequate Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. Low toxicity by ingestion and skin contact. A severe skin irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

MQV795 CAS: 64742-54-7 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HYDROTREATED (mild) HEAVY
PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), HYDROTREATED (mild) HEAVY PARAFFINIC (9CI) □ HYDROTREATED (mild) HEAVY PARAFFINIC DISTILLATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:>15 g/kg FMCHA2 -,C262,91

skn-rbt LD50:>5 g/kg FMCHA2 -,C262,91

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IARC 33,87,84. Reported in EPA TSCA Inventory.

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

MQV796 CAS: 64742-54-7 HR: 1
MINERAL OIL, PETROLEUM DISTILLATES,
HYDROTREATED (severe) HEAVY
PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), HYDROTREATED (severe) heavy paraffinic (9CI) □ EMULSIFIABLE OIL □ HORTICULTURAL SPRAY OIL □ HYDROTREATED (severe) HEAVY PARAFFINIC DISTILLATE □ SUPERIOR OIL

TOXICITY DATA with REFERENCE:

LD50: orl-rat >15 g/kg FMCHA2 -,C262,91

LD50: skn-rbt >5 g/kg FMCHA2 -,C262,91

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,252,87; Animal Inadequate Evidence IARC 33,87,84. Reported in EPA TSCA Inventory.

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

MQV800 CAS: 64742-53-6 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HYDROTREATED (mild) LIGHT
NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), HYDROTREATED (mild) LIGHT NAPHTHENIC (9CI) □ HYDROTREATED (mild) LIGHT NAPHTHENIC DISTILLATE □ HYDROTREATED (mild) LIGHT NAPHTHENIC DISTILLATES (PETROLEUM)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,131,90
 orl-rat LD:>5 g/kg JACTDZ 1,131,90
 skn-rbt LD:>2 g/kg JACTDZ 1,131,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental neoplastigenic data. Low toxicity by ingestion and skin contact. A severe skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

MQV805 CAS: 64742-55-8 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
HYDROTREATED (mild) LIGHT PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), HYDROTREATED (mild) LIGHT PARAFFINIC (9CI) □ HYDROTREATED (mild) LIGHT PARAFFINIC DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV810 CAS: 64741-52-2 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
LIGHT NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), LIGHT NAPHTHENIC (9CI) □ LIGHT NAPHTHENIC DISTILLATE □ LIGHT NAPHTHENIC DISTILLATES (PETROLEUM)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV815 CAS: 64741-50-0 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
LIGHT PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), LIGHT PARAFFINIC (9CI) □ LIGHT PARAFFINIC DISTILLATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD JACTDZ 1,131,90
 mmo-sat 5 µL/plate CBTOE2 2,63,86
 orl-rat LD:>5 g/kg JACTDZ 1,131,90
 skn-rbt LD:>2 g/kg JACTDZ 1,131,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV820 CAS: 64742-63-8 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
SOLVENT-DEWAXED HEAVY NAPHTHENIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY NAPHTHENIC (9CI) □ SOLVENT-DEWAXED HEAVY NAPHTHENIC DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV825 CAS: 64742-65-0 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
SOLVENT-DEWAXED HEAVY PARAFFINIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED HEAVY PARAFFINIC (9CI) □ PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC □ SOLVENT-DEWAXED HEAVY PARAFFINIC DISTILLATE

TOXICITY DATA with REFERENCE:

orl-rat LD:>5 g/kg JACTDZ 1,141,90
 skn-rbt LD:>5 g/kg JACTDZ 1,141,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen with experimental tumorigenic data. Low toxicity by ingestion and skin contact. When heated to decomposition it emits acrid smoke and irritating fumes.

MQV835 CAS: 64742-64-9 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
SOLVENT-DEWAXED LIGHT NAPHTHENIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT NAPHTHENIC (9CI) □ SOLVENT-DEWAXED LIGHT NAPHTHENIC DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV840 CAS: 64742-56-9 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,
SOLVENT-DEWAXED LIGHT PARAFFINIC
(mild or no solvent-refining or
hydrotreatment)

SYNS: DISTILLATES (PETROLEUM), SOLVENT-DEWAXED LIGHT PARAFFINIC (9CI) □ SOLVENT-DEWAXED LIGHT PARAFFINIC DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV845 CAS: 64741-96-4 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES,

SOLVENT-REFINED (mild) HEAVY NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), SOLVENT-REFINED (mild) HEAVY NAPHTHENIC (9CI) □ NAPHTHENIC BASE LUBE STOCK □ SOLVENT-REFINED (mild) HEAVY NAPHTHENIC DISTILLATE

TOXICITY DATA with REFERENCE:

orl-rat LD:>5 g/kg JACTDZ 1,145,90
skn-rbt LD:>5 g/kg JACTDZ 1,145,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV850 CAS: 64741-88-4 HR: 2
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-REFINED (mild) HEAVY PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), SOLVENT-REFINED (mild) HEAVY PARAFFINIC (9CI) □ SOLVENT-REFINED (mild) HEAVY PARAFFINIC DISTILLATE

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV852 CAS: 64741-97-5 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-REFINED (mild) LIGHT NAPHTHENIC

SYNS: DISTILLATES (PETROLEUM), SOLVENT-REFINED (mild) LIGHT NAPHTHENIC (9CI) □ SOLVENT-REFINED (mild) LIGHT NAPHTHENIC DISTILLATE

TOXICITY DATA with REFERENCE:

orl-rat LD:>5 g/kg JACTDZ 1,145,90
skn-rbt LD:>5 g/kg JACTDZ 1,145,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV855 CAS: 64741-89-5 HR: 3
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-REFINED (mild) LIGHT PARAFFINIC

SYNS: DISTILLATES (PETROLEUM), SOLVENT-REFINED (mild) LIGHT PARAFFINIC (9CI) □ EMULSIFIABLE OIL □ HORTICULTURAL SPRAY OIL □ SOLVENT-REFINED (mild) LIGHT PARAFFINIC DISTILLATE □ SUPERIOR OIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:>15 g/kg FMCHA2 -,C262,91
skn-rbt LD50:>5 g/kg FMCHA2 -,C262,91

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV857 CAS: 64742-11-6 HR: 3
MINERAL OIL, PETROLEUM EXTRACTS, HEAVY NAPHTHENIC DISTILLATE SOLVENT

SYNS: EXTRACTS (PETROLEUM), HEAVY NAPHTHENIC DISTILLATE SOLVENT (9CI) □ HEAVY NAPHTHENIC DISTILLATE SOLVENT EXTRACT

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Confirmed carcinogen. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

MQV859 CAS: 64742-04-7 HR: 3
MINERAL OIL, PETROLEUM EXTRACTS, HEAVY PARAFFINIC DISTILLATE SOLVENT

SYNS: EXTRACTS (PETROLEUM), HEAVY PARAFFINIC DISTILLATE SOLVENT (9CI) □ HEAVY PARAFFINIC DISTILLATE, SOLVENT EXTRACT

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV860 CAS: 64742-03-6 HR: 3
MINERAL OIL, PETROLEUM EXTRACTS, LIGHT NAPHTHENIC DISTILLATE SOLVENT

SYNS: EXTRACTS (PETROLEUM), LIGHT NAPHTHENIC DISTILLATE SOLVENT (9CI) □ LIGHT NAPHTHENIC DISTILLATE, SOLVENT EXTRACT

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence 33,87,84. Reported in EPA TSCA Inventory.

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

MQV862 CAS: 64742-05-8 HR: 3
MINERAL OIL, PETROLEUM EXTRACTS, LIGHT PARAFFINIC DISTILLATE SOLVENT

SYNS: EXTRACTS (PETROLEUM), LIGHT PARAFFINIC DISTILLATE SOLVENT (9CI) □ LIGHT PARAFFINIC DISTILLATE, SOLVENT EXTRACT

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,132,90
orl-rat LD:>5 g/kg JACTDZ 1,132,90
skn-rbt LD:>3 g/kg JACTDZ 1,132,90

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV863 CAS: 64742-10-5 HR: 3
MINERAL OIL, PETROLEUM EXTRACTS,
RESIDUAL OIL SOLVENT

SYNS: EXTRACTS (PETROLEUM), RESIDUAL OIL SOLVENT (9CI) □ RESIDUAL OIL SOLVENT EXTRACT

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

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

MQV872 CAS: 64742-17-2 HR: 3
MINERAL OIL, PETROLEUM RESIDUAL OILS,
ACID-TREATED

SYNS: ACID-TREATED RESIDUAL OIL □ RESIDUAL OILS (PETROLEUM), ACID-TREATED (9CI)

CONSENSUS REPORTS: IARC Cancer Review: Group 1 IMEMDT 7,252,87; Animal Sufficient Evidence IMEMDT 33,87,84.

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

MQV875 CAS: 8042-47-5 HR: 2
MINERAL OIL, WHITE

SYNS: DRAKEOL □ KAYDOL □ PAROL □ PENETECK □ SLAB OIL (OBS.) □ WHITE MINERAL OIL

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,252,87; Animal Inadequate Evidence IMEMDT 33,87,84. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Highly purified food grades are of low toxicity. Questionable carcinogen. When heated to decomposition it emits acrid smoke and irritating fumes.

MQV900 CAS: 64475-85-0 HR: 1
MINERAL SPIRITS

SYNS: AMSCO 140 □ PETROLEUM SPIRITS □ SOLTROL □ SOLTROL 50 □ SOLTROL 100 □ SOLTROL 180

TOXICITY DATA with REFERENCE:

orl-rat LD50:>34,600 mg/kg JJATDK 10,135,90
 ihl-rat LC50:>21,400 mg/m³/4H JJATDK 10,135,90
 ipr-rat LDLo:8560 mg/kg TXAPA9 1,156,59
 skn-rbt LD50:15,400 mg/kg JJATDK 10,135,90

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

MQW100 CAS: 13614-98-7 HR: 3
MINOCIN

mf: C₂₃H₂₇N₃O₇•ClH mw: 493.99

PROP: Yellow crystals.

SYNS: MINOCYCLINE CHLORIDE □ MINOCYCLINE HYDROCHLORIDE □ TRI-MINO □ TRI-MINOCYCLINE

TOXICITY DATA with REFERENCE:

orl-man TDLo:3893 mg/kg/4Y-I:SKN ARDEAC 122,17,86
 orl-man TDLo:11,429 µg/kg/4D-I:EYE,SKN ARDEAC 123,18,87
 orl-rat LD50:2380 mg/kg NIIRDN 6,811,82

ipr-rat LD50:331 mg/kg NIIRDN 6,811,82
 ivn-rat LD50:164 mg/kg NIIRDN 6,811,82
 orl-mus LD50:3600 mg/kg NIIRDN 6,811,82
 ipr-mus LD50:299 mg/kg NIIRDN 6,811,82
 ivn-mus LD50:154 mg/kg NIIRDN 6,811,82
 par-mus LDLo:620 mg/kg CHTHBK 24,17,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion and parenteral routes. Human systemic effects: dermatitis, eye effects, increased body temperature. When heated to decomposition it emits toxic fumes of NO_x and HCl.

MQW250 CAS: 10118-90-8 HR: 3
MINOCYCLINE

mf: C₂₃H₂₇N₃O₇ mw: 457.53

PROP: Bright yellow-orange, amorphous solid.

SYNS: CL 59806 □ 7-DIMETHYLAMINO-6-DEMETHYL-6-DEOXYTETRACYCLINE □ MINOCYCLIN

TOXICITY DATA with REFERENCE:

dni-hmn:lym 3750 µg/L BCPHBM 16,127,83
 orl-wmn TDLo:100 mg/kg:KID BMJOAE 1,524,79
 orl-mus LD50:3100 mg/kg 85ERAY 1,501,78
 ipr-mus LD50:310 mg/kg 85ERAY 1,501,78
 ivn-mus LD50:140 mg/kg 85ERAY 1,501,78
 ice-mus LD50:38 mg/kg NKRZAZ 26,196,80

SAFETY PROFILE: Poison by intraperitoneal, intravenous, and intracerebral routes. Moderately toxic by ingestion. Human systemic effects by ingestion: interstitial nephritis, proteinuria and hematuria. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

MQW300 CAS: 60616-85-5 HR: 2
MIRANOL C2M CONC. ANHYDROUS ACID

SYNS: MIRANOL C2M CONC. NP PROPYLENE GLYCOL □ MIRANOL C2M ANHYDROUS ACID

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL/24H SEV NTIS** OTS0540005

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

MQW500 CAS: 2385-85-5 HR: 3
MIREX

mf: C₁₀Cl₁₂ mw: 545.50

PROP: Very white, odorless crystals or solid. Decomp @ 485°. Water-insol; sol in dioxane and benzene.

SYNS: BICHLORENDO □ CG-1283 □ DECHLORANE 4070 □ DODECACHLOROOCCTAHYDRO-1,3,4-METHENO-2H-CYCLOBUTA(c,d)PENTALENE □ 1,1a,2,2,3,3a,4,5,5,5a,5b,6-DODECACHLOROOCCTAHYDRO-1,3,4-METHENO-1H-CYCLOBUTA(c,d)PENTALENE □ DODECACHLOROPENTACYCLODECANE □ DODECACHLOROPENTACYCLO-(3,2,2,0^{2,6},0^{3,9},0^{5,10})DECANE □ ENT 25,719 □ FERRIAMICIDE □ HEXACHLOROCYCLOPENTADIENEDIMER □ 1,2,3,4,5,5-HEXACHLORO-1,3-CYCLOPENTADIENE DIMER □ HRS 1276 □ NCI-C06428 □ PERCHLORODIHOMOCUBANE □ PERCHLOROPENTACYCLODECANE □ PERCHLOROPENTACYCLO-(5.2.1.0^{2,6},0^{3,9},0^{5,8})DECANE

TOXICITY DATA with REFERENCE:

oms-rat-orl 100 mg/kg TOLED5 23,127,84
 orl-rat LD50:235 mg/kg SPEADM 78-1,14,78

skn-rbt LD50:800 mg/kg FMCHA2 -,C159,83
 orl-ham LD50:125 mg/kg TXAPA9 48,A192,79
 orl-dck LD50:2400 mg/kg ENVRAL 14,212,77
 ihl-brd LC50:1400 ppm ENVRAL 14,212,77

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Human Limited Evidence IMEMDT 20,283,79; Animal Sufficient Evidence IMEMDT 20,283,79; IMEMDT 5,203,74. EPA Genetic Toxicology Program.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and teratogenic data. Poison by ingestion. Moderately toxic by inhalation and skin contact. An experimental teratogen. Experimental reproductive effects. Mutation data reported. A persistent insecticide that is toxic to non-target species. It can bioaccumulate. See also CHLORINATED HYDROCARBONS, ALIPHATIC.

MQW525**HR: 3****MISTLETOE (AMERICAN)**

PROP: Parasitic plants which grow on the trunks and branches of trees. They have thick, leathery leaves and white or pink berries. *P. rubrum* grows only on mahogany trees in southern Florida and the West Indies. *P. serotinum* grows on deciduous trees in the region bounded by New Jersey, Florida, Texas, and Illinois. It is commonly sold as a mistletoe plant at Christmas. *P. tomentosum* grows in the region bounded by Kansas, Louisiana and Mexico.

SYNS: CEPA CABALLERO (CUBA) □ FALSE MISTLETOE □ INJERTO (TEXAS, MEXICO) □ PHORADENDRON RUBRUM □ PHORADENDRON SEROTINUM □ PHORADENDRON TOMENTOSUM

SAFETY PROFILE: The leaves, stems, and berries contain the poisonous lectin phoratoxin (a toxalbumin). Ingestion of these plant parts may cause after a delay period of several hours: severe vomiting, abdominal cramps, and diarrhea. Deaths have been reported from ingestion of the berries. See also ABRIN as an example toxalbumin.

MQW750**CAS: 18378-89-7****HR: 3****MITHRAMYCIN**

mf: C₅₂H₇₆O₂₄ mw: 1085.28

PROP: Yellow crystals from Me₂CO. Mp: 180–183°. Antibiotic substance isolated from the fermentation broth of three strains of an unidentified *Streptomyces* species (ANTCAO 3,1218,53).

SYNS: A-2371 □ ANTIBIOTIC LA 7017 □ AUREOLIC ACID □ AURLELIC ACID □ MITHRACIN □ MITHRAMYCIN A □ MITHRAMYCIN □ NSC-24559 □ PA 144

TOXICITY DATA with REFERENCE:

dnd-hmn:hla 1 mg/L CNREA8 45,2813,85
 msc-hmn:hla 40 µg/L CNREA8 45,2813,85
 orl-hmn TDLo:50 µg/kg/5D:BLD CORTBR 127,106,77
 ipr-rat LD50:2500 µg/kg ADTEAS 3,181,68
 ivn-rat LD50:1741 µg/kg NCICP* -,215,66
 orl-mus LD50:500 mg/kg 85GDA2 1,342,80
 ipr-mus LD50:1090 µg/kg ANTBAL 21,258,76
 scu-mus LD50:2810 µg/kg ANTBAL 21,258,76
 ivn-mus LD50:350 µg/kg 85ERAY 2,1405,78
 ivn-dog LD50:250 µg/kg 85ERAY 2,1405,78
 ivn-rbt LD50:250 µg/kg 85ERAY 2,1405,78

SAFETY PROFILE: A deadly poison by intravenous, intraperitoneal, and subcutaneous routes. Moderately toxic by ingestion. Human systemic effects by ingestion: blood thrombocytopenia. An experimental teratogen.

Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

MQX000**CAS: 11043-98-4****HR: 3****MITOCROMIN**

SYNS: MITOCHROMIN □ NSC-77471

TOXICITY DATA with REFERENCE:

orl-rat LD50:13 mg/kg NCICP* -,143,65
 ivn-rat LD50:700 µg/kg NCICP* -,143,65
 orl-mus LD50:20 mg/kg NCICP* -,143,65
 ivn-mus LD50:97 µg/kg NCICP* -,143,65
 ivn-dog LD50:300 µg/kg NCICP* -,143,65

SAFETY PROFILE: A deadly poison by ingestion and intravenous routes.

MQX250**CAS: 11043-99-5****HR: 3****MITOMALCIN**

SYNS: AMRITAMYCIN □ B 2992 ACTIVE PRINCIPLE □ NSC-B-2992 □ NSC-113233

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2640 µg/kg NCICP*
 scu-mus LD50:7053 µg/kg NCISP* JAN86
 ivn-mus LD50:4952 µg/kg NCISP* JAN86
 ims-mus LD50:7521 µg/kg NCISP* JAN86

SAFETY PROFILE: Poison by intraperitoneal, intravenous, subcutaneous, and intramuscular routes.

MQX500**CAS: 4055-39-4****HR: 3****MITOMYCIN A**

mf: C₁₆H₁₉N₃O₆ mw: 349.38

PROP: Red-violet crystals from (acetone + carbon tetrachloride). Decomp at 159–161°. Sol in water, benzene, toluene, trichloroethylene, nitrobenzene and many org solvs. Insol in xylene, carbon tetrachloride, carbon disulfide, pet ether, ligroin, cyclohexane.

TOXICITY DATA with REFERENCE:

pic-esc 3 µg/L JMCMA 20,767,77
 ivn-mus LD50:1 mg/kg 85FZAT -,421,67

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

MQX750**CAS: 4055-40-7****HR: 3****MITOMYCIN B**

mf: C₁₆H₁₉N₃O₆ mw: 349.38

PROP: Violet crystals from (acetone + carbon tetrachloride). Decomp @ 182–184°. Sol in water and many org solvs; insol in xylene, carbon tetrachloride, carbon sulfide, pet ether, ligroin, cyclohexane, benzene, toluene, trichloroethylene, and nitrobenzene.

TOXICITY DATA with REFERENCE:

dnd-esc 60 µmol/L CJBIAE 56,296,78
 dnd-mam:lym 60 µmol/L CJBIAE 56,296,78
 ivn-mus LD50:3 mg/kg JMCMA 14,103,71

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

MQX775 CAS: 54824-17-8 HR: 1
MITONAFIDE

mf: C₁₆H₁₅N₃O₄•ClH mw: 349.80

SYNS: 1H-BENZ(de)ISOQUINOLINE-1,3(2H)-DIONE, 2-(2-(DIMETHYLAMINO)ETHYL)-5-NITRO- □ M-4212 □ M 4212 (PHARMACEUTICAL) □ NSC-300288

TOXICITY DATA with REFERENCE:

dnd-ham:ovr 10 µmol/L JJIND8 70,1097,83

cyt-ham:ovr 1 µmol/L JJIND8 70,1097,83

ipr-rat LD50:6500 µg/kg CCPHDZ 4,61,80

ipr-mus LD50:10,000 µg/kg CCPHDZ 4,61,80

SAFETY PROFILE: Low toxicity by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also AROMATIC AMINES.

MQY090 CAS: 65271-80-9 HR: 3
MITOXANTHRONE

mf: C₂₂H₂₈N₄O₆ mw: 444.54

PROP: Crystals from ethanol/hexane. Mp: 160–162°.

SYNS: 5,8-BIS((2-((HYDROXYETHYL)AMINO)ETHYL)AMINO)-1,4-DIHYDROXYANTHRAQUINONE □ DHAQ □ DIHYDROXY-ANTHRAQUINONE □ 1,4-DIHYDROXY-5,8-BIS((2-((HYDROXY-ETHYL)AMINO)ETHYL)AMINO)-9,10-ANTHRACENEDIONE (9CI) □ MITOXANTHRONE □ NSC-279836

TOXICITY DATA with REFERENCE:

mno-sat 20 µg/plate TCMUD8 5,319,85

cyt-hmn:lym 100 µmol/L MUREAV 93,185,82

ipr-mus LD50:7100 µg/kg HYDXET 20,303,89

scu-mus LD50:20,910 µg/kg NCISP* JAN86

ivn-mus LD50:6600 µg/kg HYDXET 20,303,89

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

MQY100 CAS: 70476-82-3 HR: 3
MITOXANTHRONE HYDROCHLORIDE

mf: C₂₂H₂₈N₄O₆•2ClH mw: 517.46

PROP: A solid. Mp: 203–205°.

SYNS: CL 232315 □ NSC-301739

TOXICITY DATA with REFERENCE:

dni-hmn:oth 1 nmol/L PAACA3 24,252,83

cyt-hmn:hla 100 µg/L CNREA8 43,3270,83

cyt-ham:lng 8 µg/L CNREA8 45,3593,85

ivn-wmn TDLo:4400 µg/kg/30W-I:SKN LANCAO 1,113,88

par-man TDLo:71 µg/kg/2W-I LANCAO 2,1393,86

orl-rat LD50:682 mg/kg IYKEDH 19,164,88

skn-rat LD50:1640 mg/kg IYKEDH 19,164,88

ipr-rat LD50:8 mg/kg IYKEDH 19,164,88

scu-rat LD50:5500 µg/kg IYKEDH 19,164,88

ivn-rat LD50:4800 µg/kg IYKEDH 19,164,88

orl-mus LD50:502 mg/kg IYKEDH 19,164,88

ipr-mus LD50:16,500 µg/kg IYKEDH 19,164,88

ivn-mus LD50:11,300 µg/kg IYKEDH 19,164,88

skn-rbt LD50:125 mg/kg IYKEDH 19,164,88

SAFETY PROFILE: A poison by skin contact, intraperitoneal, and intravenous routes. Moderately toxic by ingestion. Human systemic effects: flaccid paralysis. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl.

MQY110 CAS: 85622-95-3 HR: 3
MITOZOLOMIDE

mf: C₇H₇ClN₆O₂ mw: 242.65

PROP: Cream microprisms from Me₂CO. Mp: 164–165° (effervescent).

SYNS: AZOLASTONE □ 8-CARBAMOYL-3-(2-CHLORO-ETHYL)IMIDAZO(5,1-d)-1,2,3,5-TETRAZINE-4(3H)-ONE □ CCRG 81010 □ 3-(2-CHLOROETHYL)-3,4-DIHYDRO-4-OXOIMIDAZO(5,1-d)-1,2,3,5-TETRAZINE-8-CARBOXAMIDE □ IMIDAZO(5,1-d)-1,2,3,5-TETRAZINE-8-CARBOXAMIDE, 3-(2-CHLOROETHYL)-3,4-DIHYDRO-4-OXO- □ M & B 39565 □ NSC-353451

TOXICITY DATA with REFERENCE:

dnd-hmn:emb 50 µmol/L CNREA8 44,1772,84

dnd-mus:leu 50 µmol/L CNREA8 44,1767,84

orl-hmn TDLo:3108 µg/kg;GIT,BLD BJCAAI 55,433,87

ipr-mus LD10: 45 mg/kg BJCAAI 58,139,88

SAFETY PROFILE: Poison by intraperitoneal route. Human systemic effects by ingestion: nausea or vomiting and blood changes. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

MQY125 CAS: 42794-63-8 HR: 3
MK-142 DIMETHANESULFONATE

mf: C₂₂H₃₂N₂O₆•2CH₄O₃S mw: 612.78

SYNS: N,N'-DI(3-(p-METHOXYPHENOXY)-2-HYDROXY-PROPYL)ETHYLENEDIAMINE DIMETHANESULPHOANATE □ 1,1'-(1,2-ETHANEDIYLDIIMINO)BIS(3-(4-METHOXYPHENOXY)-2-PROPANOL, DIMETHANESULFONATE (salt) □ MK 142

TOXICITY DATA with REFERENCE:

orl-rat LD50:3100 mg/kg MMDPA6 9,216,77

orl-mus LD50:1570 mg/kg PJPPAA 27,365,75

ivn-mus LD50:135 mg/kg PJPPAA 27,365,75

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

MQY250 HR: 2
MLO-5277 (ORGANO-SILICATE)

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:500 mg/m³ XAWPA2 CWL 2-10,58

ivn-rat LD50:900 mg/kg MRLR** #256,54

ivn-rbt LD50:540 mg/kg MRLR** #256,54

SAFETY PROFILE: Moderately toxic by inhalation and intravenous routes. See also SILICATES.

MQY300 CAS: 84504-69-8 HR: 2
MN-1695

mf: C₉H₇Cl₂N₅•C₄H₄O₄ mw: 372.19

SYN: 2,4-DIAMINO-6-(2,5-DICHLOROPHENYL)-s-TRIAZINE MALEATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2898 mg/kg EPXXDW #114907

ipr-rat LD50:545 mg/kg ARZNAD 34,474,84

scu-rat LD50:1524 mg/kg ARZNAD 34,474,84

orl-mus LD50:5697 mg/kg ARZNAD 34,474,84
 ipr-mus LD50:775 mg/kg ARZNAD 34,474,84
 scu-mus LD50:2841 mg/kg ARZNAD 34,474,84

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal and subcutaneous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

MQY325 CAS: 63642-17-1 HR: 3 MNCO

mf: $\text{C}_7\text{H}_{14}\text{N}_4\text{O}_4$ mw: 218.25

SYNS: N^Δ -(N-METHYL-N-NITROSOCARBAMOYL)-L-ORNITHINE □ N^5 -(METHYLNITROSOCARBAMOYL)-L-ORNITHINE □ N^5 -(N-METHYL-N-NITROSOCARBAMOYL)-L-ORNITHINE

TOXICITY DATA with REFERENCE:

dnd-rat-ipr 1 mmol/kg CRNGDP 5,555,84
 otr-ham-par 2616 mg/kg/12W-I JJIND8 71,1327,83
 dnd-ham:oth 218 mg/L JJIND8 71,1327,83

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.

MQY350 CAS: 87209-80-1 HR: 2 MOBILAT

TOXICITY DATA with REFERENCE:

skn-rat LDLo:51,230 mg/kg ARZNAD 14,1309,64
 scu-rat LD50:1184 mg/kg NIIRDN 6,856,82
 scu-mus LD50:1016 mg/kg NIIRDN 6,856,82

SAFETY PROFILE: Moderately toxic by subcutaneous route. An experimental teratogen. Experimental reproductive effects.

MQY400 CAS: 2210-63-1 HR: 2 MOBUTAZON

mf: $\text{C}_{13}\text{H}_{16}\text{N}_2\text{O}_2$ mw: 232.28

PROP: Crystals from ethanol + water. Mp: 102–103°.

SYNS: ARCOMONOL TABLETS □ 4-BUTYL-1-PHENYL-3,5-DIOXOPYRAZOLIDINE □ 4-BUTYL-1-PHENYL-3,5-PYRAZOLIDINEDIONE □ 2 FDBP □ MOBUZON □ MOFEBUTAZONE □ MONAZAN □ MONOBUTYL □ MONOPHENYLBUTAZONE □ MONORHEUMETTEN □ 2-PHENYL-3,5-DIHYDROXY-4-BUTYLPYRAZOLIDINE □ REUMATOX

TOXICITY DATA with REFERENCE:

ipr-rat LD50:848 mg/kg FRPSAX 14,347,59
 ipr-mus LD50:937 mg/kg FRPSAX 14,347,59
 ivn-mus LD50:600 mg/kg AEPPAE 233,365,58

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

MRA000 CAS: 11052-70-3 HR: 2 MODECCIN TOXIN

SYNS: MODECCIN □ TOXIN, ADENIA DIGITATA (MODECCA DIGITATA), MODECCIN

TOXICITY DATA with REFERENCE:

dni-hmn:hla 30 $\mu\text{g}/\text{L}$ BBRC9 79,1176,77
 ipr-rat LD50:1300 ng/kg BIJOAK 174,491,78
 ipr-mus LD50:2300 mg/kg 85GDA2 8(1),109,82

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Human mutation data reported.

MRA075 HR: D MODIFIED POLYACRYLAMIDE RESINS

PROP: Produced by copolymerization of acrylamide with not more than 5-mole percent of β -methacryloyloxyethyl trimethylammonium methyl sulfate.

SYN: POLYACRYLAMIDE RESINS, MODIFIED

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

MRA100 HR: 2 MODIFIER 113-63

SYN: SILICON ORGANIC LACQUER MODIFICATOR 113-63

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg GISAAA 50(3),81,85
 orl-mus LD50:1 g/kg GISAAA 50(3),81,85
 orl-gpg LD50:1 g/kg GISAAA 50(3),81,85

SAFETY PROFILE: Moderately toxic by ingestion.

MRA250 CAS: 11015-37-5 HR: 3 MOENOMYCIN

PROP: Produced by *Streptomyces roseoflavus* (85ERAY 1,740,78).

SYNS: BAMBERMYCIN □ FLAVOMYCIN □

FLAVOPHOSPHOLIPOL □ MENOMYCIN □ MOENOMYCIN A

TOXICITY DATA with REFERENCE:

scu-mus LD50:500 mg/kg 85ERAY 1,740,78
 ivn-mus LD50:200 mg/kg 85ERAY 1,740,78
 ivn-dog LDLo:600 mg/kg AACHAX -,743,65

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous route.

MRA260 CAS: 82586-52-5 HR: 2 MOEXIPRIL HYDROCHLORIDE

mf: $\text{C}_{27}\text{H}_{34}\text{N}_2\text{O}_7 \cdot \text{ClH}$ mw: 535.09

SYNS: CI 925 □ 3-ISOQUINOLINECARBOXYLIC ACID, 1,2,3,4-TETRAHYDRO-6,7-DIMETHOXY-2-(2-((1-(ETHOXYCARBONYL)-3-PHENYLPROPYL)AMINO)-1-OXOPROPYL)-, MONOHYDROCHLORIDE, (3S-(2(R*(R*)),3R*)) □ RS 10085-197 □ SPM 925 □ UNIVASC

TOXICITY DATA with REFERENCE:

orl-rat LD50:4015 mg/kg ARZNAD 47,132,1997
 ivn-rat LD50:461 mg/kg ARZNAD 47,132,1997
 orl-mus LD50:2209 mg/kg ARZNAD 47,132,1997
 ivn-mus LD50:830 mg/kg ARZNAD 47,132,1997
 orl-dog LD50:>900 mg/kg ARZNAD 47,132,1997

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x , HCl , and Cl^- .

MRA275 CAS: 11052-70-3 HR: D MOGALAROL

mf: $\text{C}_{29}\text{H}_{31}\text{NO}_{12}$ mw: 585.61

TOXICITY DATA with REFERENCE:

dni-hmn:oth 3180 nmol/L HXPHAU 39(Pt 2),623,75
 dnd-mam:lym 12 $\mu\text{mol}/\text{L}$ CBINA8 36,1,81

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

MRA300 CAS: 53681-76-8 HR: 3**MOLANTIN P****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 28ZPAK -,284,72

eye-rbt 20 mg/24H MOD 28ZPAK -,284,72

orl-rat LD50:278 mg/kg GISAAA 43(7),70,78

orl-mus LD50:315 mg/kg GISAAA 43(7),70,78

SAFETY PROFILE: Poison by ingestion. An eye and skin irritant.**MRA750 HR: 2****MOLECULAR SIEVE 13X with 14.6% Di-n-BUTYLAMINE****TOXICITY DATA with REFERENCE:**

eye-rbt 26 mg SEV UCDS** 6/14/60

orl-rat LD50:2000 mg/kg UCDS** 6/14/60

ihl-pig LCLo:1650 mg/m³/2.5H UCDS** 6/14/60**SAFETY PROFILE:** Moderately toxic by ingestion and inhalation. A severe eye irritant. Potentially hazardous reactions with ethylene, triaryl phosphates, nitromethane, tert-butyl hydroperoxide, benzyl bromide, mercury(II) perchlorate.**MRA800 CAS: 52236-29-0 HR: D****MOLINATE SULFOXIDE**mf: C₉H₁₇NO₂S mw: 203.31**SYN:** 1H-AZEPINE, 1-(ETHYLSULFINYL)CARBONYL-HEXAHYDRO-**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**MRB250 CAS: 15622-65-8 HR: 3****MOLINDONE HYDROCHLORIDE**mf: C₁₆H₂₄N₂O₂•ClH mw: 312.88**SYNS:** EN-1733A HYDROCHLORIDE □ 3-ETHYL-6,7-DIHYDRO-2-METHYL-5-MORPHOLINOMETHYLINDOLE-4(5H)-ONE HYDROCHLORIDE □ 3-ETHYL-6,7-DIHYDRO-2-METHYL-5-MORPHOLINOMETHYLINDOL-4(5H)-ONE HYDROCHLORIDE □ LIDONE □ MOBAN**TOXICITY DATA with REFERENCE:**

orl-man TDLo:4762 µg/kg/3D-I:KID JCLPDE 47,607,86

orl-rat LD50:261 mg/kg TXAPA9 18,185,71

orl-mus LD50:670 mg/kg FEPA7 26,738,67

ipr-mus LD50:243 mg/kg 27ZQAG -,134,72

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human reproductive effects. Human systemic effects by changes in kidney tubules. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**MRC000 CAS: 12656-85-8 HR: 3****MOLYBDATE ORANGE****PROP:** IDLH 1000 mg/m³ (as Mo).**SYNS:** CHROME VERMILION □ C.I. 77605 □ C.I. PIGMENT RED 104 □ KROLOR ORANGE RKO 786D □ LEAD CHROMATE MOLYBDATE SULFATE RED □ MINERAL FIRE RED 5DDS □ MINERAL FIRE RED 5GS □ MOLYBDATE ORANGE Y 786D □ MOLYBDATE ORANGE YE 421D □ MOLYBDATE ORANGE YE 698D □ MOLYBDATE RED □ MOLYBDATE RED AA3 □ MOLYBDEN RED □ MOLYBDENUM RED □ NCI-C54626 □ RENOL MOLYBDATE RED RGS □ VYNAMON SCARLET BY**CONSENSUS REPORTS:** IARC Cancer Review:

Group 1 IMEMDT 49,49,90; Human Sufficient Evidence IMEMDT 49,49,90. Chromium and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg(Mo)/m³**ACGIH TLV:** TWA Soluble Compounds: TWA 0.5 mg(Mo)/m³ Confirmed Animal Carcinogen with Unknown Relevance to Humans**SAFETY PROFILE:** Confirmed carcinogen. Dusts are poison by inhalation. See MOLYBDENUM COMPOUNDS and CHROMIUM COMPOUNDS.**MRC250 CAS: 7439-98-7 HR: 3****MOLYBDENUM**

af: Mo aw: 95.94

PROP: Lustrous, cubic, silver-white metallic crystals or gray-black powder. Fairly soft when pure. Less reactive than Cr to acids. Combines with O₂ on heating to give MoO₃. Mp: 2626°, bp: 5560°, d: 10.2, vap press: 1 mm @ 3102°. IDLH 5000 mg/m³ (as Mo).**SYN:** MOLYBDATE**TOXICITY DATA with REFERENCE:**cyt-rat-ihl 19,500 µg/m³ GTPZAB 24(9),33,80

itr-rbt LDLo:70 mg/kg NTIS** PB249-458

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** Soluble Compounds: TWA 5 mg(Mo)/m³; Insoluble Compounds: TWA Total Dust: 10 mg/m³; Respirable Fraction: 5 mg/m³**ACGIH TLV:** Insoluble Compounds: TWA 10 mg(Mo)/m³; Soluble Compounds: TWA 0.5 mg(Mo)/m³ Confirmed Animal Carcinogen with Unknown Relevance to Humans**DFG MAK:** (Insoluble Compounds) 4 mg/m³; (Soluble Compounds) 5 mg/m³**SAFETY PROFILE:** Poison by intratracheal route. Mutation data reported. An experimental teratogen. Experimental reproductive effects. Flammable or explosive in the form of dust when exposed to heat or flame. Violent reaction with oxidants (e.g., bromine trifluoride, bromine pentafluoride, chlorine trifluoride, potassium perchlorate, nitryl fluoride, fluorine, iodine pentafluoride, sodium peroxide, lead dioxide). When heated to decomposition it emits toxic fumes of Mo. See also POWDERED METALS and MOLYBDENUM COMPOUNDS.**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Elements (ICP), 7300; Metals in Urine (ICP), 8310.**MRC500 HR: 3****MOLYBDENUM AZIDE PENTACHLORIDE**mf: Cl₅MoN₃ mw: 315.22**PROP:** IDLH 1000 mg/m³ (as Mo).**SAFETY PROFILE:** Extremely explosive. When heated to decomposition it emits very toxic fumes of Mo, NO_x, and Cl⁻. See also MOLYBDENUM COMPOUNDS, AZIDES, and CHLORIDES.**MRC600 CAS: 68825-98-9 HR: 3**

MOLYBDENUM AZIDE TRIBROMIDEmf: Br_3MoN_3 mw: 377.64**PROP:** Dark brown, hygroscopic powder. IDLH 1000 mg/m^3 (as Mo).**SAFETY PROFILE:** Highly explosive. When heated to decomposition it emits toxic fumes of Mo, Br^- and NO_x . See also AZIDES, BROMIDES, and MOLYBDENUM COMPOUNDS.**MRC650 CAS: 12007-97-5 HR: 3
MOLYBDENUM BORIDE**mf: B_5Mo_2 mw: 245.93**PROP:** A solid. Mp: 2335° , d: 7.48. IDLH 1000 mg/m^3 (as Mo).**TOXICITY DATA with REFERENCE:**itr-rat LDLo: 125 mg/kg GTPZAB 9(6), 40, 65ipr-mus LD50: 1377 mg/kg GTPZAB 9(6), 40, 65orl-rbt LD50: 1380 mg/kg 85AEA9 -, 115, 75**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 15 $\text{mg}(\text{Mo})/\text{m}^3$ **ACGIH TLV:** Insoluble Compounds: inhalable fraction, 10 $\text{mg}(\text{Mo})/\text{m}^3$, 3 $\text{mg}(\text{Mo})/\text{m}^3$, respirable fraction.**SAFETY PROFILE:** Poison by intratracheal route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of boron and Mo.**MRC750 HR: 3
MOLYBDENUM COMPOUNDS****PROP:** IDLH 1000 mg/m^3 (as Mo).**SAFETY PROFILE:** Poison by subcutaneous and intraperitoneal routes. Molybdenum and its compounds are highly toxic based upon animal experiments. Symptoms of acute poisoning include severe gastrointestinal irritation with diarrhea, coma, and deaths from heart failure. Experimental animals exposed to high levels (57 $\text{mg Mo}/\text{m}^3$) of molybdenum dust for 120 days (4 hours/day) accumulated Mo in the lungs, spleen, and heart, and showed a decrease of DNA and RNA in the liver, kidneys, and spleen. Workers exposed to Mo or MoO_3 (concentrations of 1–19 $\text{mg Mo}/\text{m}^3$) over a period of 3–7 years have suffered from pneumoconiosis. Inhalation of molybdenum dust from alloys or carbides can cause “hard-metal lung disease.” It is suggested that suitable precautions should be taken against human inhalation of significant amounts of the more soluble molybdenum compounds. MoO_3 and Na_2MoO_4 are soluble. CaMoO_4 , MoO , and MoS_2 are insoluble. Hexavalent molybdenum compounds are readily absorbed through the gastrointestinal tract. Coal-fired electrical power plants can be significant sources of molybdenum. Application of some fertilizers may raise molybdenum concentrations in ground water. Molybdenum is rapidly excreted by the body. Molybdenum is an important trace element in the normal growth and development of plants. It is found also in animal tissue, although its precise function is unknown. It is a common air contaminant. See also specific compounds.**MRD000 CAS: 14259-66-6 HR: 3****MOLYBDENUM DIAZIDE TETRACHLORIDE**mf: Cl_4MoN_6 mw: 321.79**PROP:** IDLH 1000 mg/m^3 (as Mo).**SAFETY PROFILE:** Highly explosive. When heated to decomposition it emits very toxic fumes of Mo, NO_x , and Cl^- . See also MOLYBDENUM COMPOUNDS, AZIDES, and CHLORIDES.**MRD250 CAS: 18868-43-4 HR: 3
MOLYBDENUM OXIDE**mf: MoO_2 mw: 127.94**PROP:** Brown-black powder or dark violet blue crystals. Insol in H_2O , acids, and alkalis. IDLH 1000 mg/m^3 (as Mo).**SYNS:** MOLYBDENUM DIOXIDE □ MOLYBDENUM(IV) OXIDE**TOXICITY DATA with REFERENCE:**scu-mus LD50: 318 mg/kg ZVKOA6 19, 186, 74**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 10 $\text{mg}(\text{Mo})/\text{m}^3$, total dust; TWA 5 $\text{mg}(\text{Mo})/\text{m}^3$, respirable fraction**ACGIH TLV:** Insoluble Compounds: inhalable fraction, 10 $\text{mg}(\text{Mo})/\text{m}^3$, 3 $\text{mg}(\text{Mo})/\text{m}^3$, respirable fraction.**SAFETY PROFILE:** Poison by subcutaneous route. Incandescent reaction with air. When heated to decomposition it emits toxic fumes of Mo. See also MOLYBDENUM COMPOUNDS.**MRD500 CAS: 10241-05-1 HR: 3
MOLYBDENUM PENTACHLORIDE****DOT:** UN 2508mf: Cl_5Mo mw: 273.19**PROP:** Green-black solid, dark-red as liquid or vapor. Hygroscopic, reacting with water and air. Mp: 194° , bp: 268° , d: 2.9. Sol in dry ether, dry alc, and other anhydrous org solvs. IDLH 1000 mg/m^3 (as Mo).**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**OSHA PEL:** TWA 5 $\text{mg}(\text{Mo})/\text{m}^3$ **ACGIH TLV:** TWA Soluble Compounds: TWA 0.5 $\text{mg}(\text{Mo})/\text{m}^3$ Confirmed Animal Carcinogen with Unknown Relevance to Humans**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** A poison. A corrosive irritant to skin, eyes, and mucous membranes. Reacts with moisture to form hydrochloric acid. When heated to decomposition it emits toxic fumes of Mo and Cl^- . See also MOLYBDENUM COMPOUNDS and HYDROCHLORIC ACID.**MRD750 CAS: 1317-33-5 HR: 3
MOLYBDENUM(IV) SULFIDE**mf: MoS_2 mw: 160.07**PROP:** Synthetic form is black, lustrous powder. Mineral form is lustrous lead-gray. Decomp on heating in air to MoO_3 and *in vacuo* to Mo_2S_3 . Mp: 1185° , bp: decomp in air, d: 4.80 @ 14° . Insol in H_2O , org solvs, and dil acids. IDLH 1000 mg/m^3 (as Mo).

SYNS: MOLYBDENITE □ MOLYBDIC SULFIDE □ MOLY-KOTE □ MOPOL M □ MOPOL S

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

OSHA PEL: TWA 5 mg(Mo)/m³

ACGIH TLV: TWA Soluble Compounds: TWA 0.5 mg(Mo)/m³ Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Mixtures with potassium nitrate are explosive. Violent reaction with H₂O₂. When heated to decomposition it emits toxic fumes of SO₃ and Mo. See also SULFIDES and MOLYBDENUM COMPOUNDS.

MRD800 CAS: 13478-18-7 HR: D
MOLYBDENUM TRICHLORIDE

mf: Cl₃Mo mw: 202.29

PROP: IDLH 1000 mg/m³ (as Mo).

SYNS: MOLYBDENUM CHLORIDE (MoCl₃) □ TRICHLOROMOLYBDENUM

TOXICITY DATA with REFERENCE:

slt-orl-uns-dmg 10 mmol/L MUREAV 320,133,1994

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of Mo and Cl₂.

MRE000 CAS: 1313-27-5 HR: 3
MOLYBDENUM TRIOXIDE

mf: MoO₃ mw: 143.94

PROP: White or yellow to sltly bluish powder, granules, or solid. Photosensitive. An acidic oxide. Mp: 795°; bp: 1155°; d: 4.696 @ 26°/4°. Sol in 1000 parts water, in concentrated mineral acids, solutions of alkali hydroxides. Sol in ammonia or potassium bitartrate, solidifying to a yellowish-white mass. IDLH 1000 mg/m³ (as Mo).

SYNS: MOLYBDENUM(VI) OXIDE □ MOLYBDIC ANHYDRIDE □ MOLYBDIC TRIOXIDE

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:4750 mg/kg/7W-I:NEO CNREA8 36,1744,76

ihl-man TCLo:6 mg/m³/4Y:PUL NTIS** AEC-TR-6710

orl-rat LD50:125 mg/kg 28ZLA8 -,214,61

scu-mus LD50:94 mg/kg ZVKOA6 19,186,74

ipr-gpg LDLo:400 mg/kg EQSSDX 1,1,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 5 mg(Mo)/m³

ACGIH TLV: TWA Soluble Compounds: TWA 0.5 mg(Mo)/m³ Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. Human systemic effects by inhalation: pulmonary fibrosis and cough. Questionable carcinogen with experimental neoplastigenic data. A powerful irritant. Explodes on contact with molten magnesium. Violent reaction with interhalogens (e.g., bromine pentafluoride, chlorine trifluoride). Incandescent reaction with hot sodium, potassium, or lithium. When heated to decomposition it emits toxic

fumes of Mo. See also MOLYBDENUM COMPOUNDS.

MRE225 CAS: 17090-79-8 HR: 3
MONENSIC ACID

mf: C₃₆H₆₂O₁₁ mw: 670.98

PROP: Crystals. Mp: 103–105° (monohydrate). Very stable under alkaline conditions. Sltly sol in water; more sol in hydrocarbons; very sol in other org solvs.

SYNS: A 3823A □ ELANCOBAN □ MONELAN □ MONENSIN (USDA) □ MONENSIN A

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H MLD DCTODJ 8,451,85

eye-rbt 50 mg MOD DCTODJ 8,451,85

orl-rat LD50:100 mg/kg DCTODJ 8,451,85

ipr-rat LD50:15 mg/kg DCTODJ 8,451,85

orl-mus LD50:43,800 µg/kg 85GDA2 5,472,81

ipr-mus LD50:10 mg/kg DCTODJ 8,451,85

orl-hor LD50:2 mg/kg AJVRAH 42,456,81

orl-dom LD50:12 mg/kg AJVRAH 45,1142,84

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

MRE230 CAS: 22373-78-0 HR: 3
MONENSIN SODIUM

mf: C₃₆H₆₂O₁₁•Na mw: 693.97

PROP: A solid. Mp: 267–269°.

SYNS: COBAN □ MONENSIN, MONOSODIUM SALT (9CI) □ MONENSIN SODIUM SALT □ RUMENSIN □ SODIUM MONENSIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:29 mg/kg JANSAG 58,1512,84

orl-mus LD50:44 mg/kg JANTAJ 36,1195,83

orl-rbt LD50:42 mg/kg JANSAG 58,1512,84

orl-pig LD50:17 mg/kg JANSAG 58,1512,84

orl-ckn LD50:200 mg/kg JANSAG 58,1512,84

orl-ctl LD50:26 mg/kg JANSAG 58,1512,84

orl-hor LD50:2 mg/kg JANSAG 58,1512,84

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of Na₂O. See also MONENSIC ACID.

MRE250 CAS: 31876-38-7 HR: 3
MONILIFORMIN

mf: C₄H₂O₃ mw:98.06

PROP: Light-yellow needles or white crystals from Et₂O. Mp: 163° (decomp). Isolated from *Fusarium moniliforme sheldoni*, a fungus found on maize (FCTXAV 15,579,77).

SYNS: 3-HYDROXY-CYCLOBUT-3-ENE-1,2-DIONE □ 1-HYDROXY-CYCLOBUT-1-ENE-3,4-DIONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:41 mg/kg FCTXAV 15,579,77

ipr-mus LD50:21 mg/kg POSCAL 60,1415,81

orl-ckn LD50:4 mg/kg FCTXAV 15,579,77

orl-dck LD50:3680 mg/kg FCTXAV 15,579,77

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

**MRE275
MONKSHOOD****HR: 3**

PROP: An erect perennial 2 to 6 feet tall resembling a delphinium. The flowers are usually blue and helmet-shaped, and grow at the top of stalk in summer or autumn. The roots are tuberous. Various species are native to the temperate zones of North America including Canada and Alaska. Some are cultivated in the same areas. They are not found in the warmer areas of North America.

SYNS: ACONITUM (Various Species) □ A. COLUMBIANUM □ A. NAPELLUS □ ACONITE □ FRIAR'S CAP □ HELMET FLOWER □ SOLDIER'S CAP □ WOLFSBANE

SAFETY PROFILE: The whole plant contains the poison aconitine and some related alkaloids with the greatest amounts found in the leaves and roots. The immediate effects of ingestion are a burning feeling in the lips, mouth, and throat, followed by numbness. Later effects may include difficulty with speech, nausea, vomiting, blurred and yellow-green vision, weakness, dizziness, poor coordination, abnormal sensations, and cardiac arrhythmias which may result in death. See also ACONITINE.

**MRE300 CAS: 26446-35-5 HR: D
MONO-ACETIN**mf: C₅H₁₀O₄ mw: 134.15**SYN:** ACETIN, MONO-**TOXICITY DATA with REFERENCE:**

mic-bac-sat 3333 µg/plate ENMUDM 5(Suppl 1),3,83
sce-ham-ovr 1500 mg/L EMMUEG 13,60,89

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**MRE500 CAS: 101809-53-4 HR: 3
MONOACETYLISOSPIRAMYCIN****TOXICITY DATA with REFERENCE:**

ipr-rat LD50:664 mg/kg JJANAX 23,429,70
ipr-mus LD50:600 mg/kg JJANAX 23,429,70
scu-mus LD50:1500 mg/kg JJANAX 23,429,70
ivn-mus LD50:313 mg/kg JJANAX 23,429,70
ivn-rbt LD50:198 mg/kg JJANAX 23,429,70

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes.

**MRE600 CAS: 4420-65-9 HR: 3
MONO-o-ACETYL SOLANOSIDE**mf: C₃₂H₄₈O₉ mw: 576.80**SYN:** SOLANOSIDE, MONO-o-ACETYL-**TOXICITY DATA with REFERENCE:**

ivn-cat LDLo:317 µg/kg JMC MAR 13,1029,1970

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

**MRE750 CAS: 71251-30-4 HR: 3
MONOACETYLSPIRAMYCIN****SYN:** ACETYL KITASAMYCIN**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:613 mg/kg TXAPA9 18,185,71
ivn-mus LD50:206 mg/kg JJANAX 23,429,70

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route.

**MRF000 CAS: 7558-63-6 HR: 2
MONOAMMONIUM GLUTAMATE**mf: C₅H₉NO₄•H₃N mw: 164.19

PROP: White crystalline powder; odorless. Sol in water; insol in common org solvs.

SYNS: AMMONIUMGLUTAMINAT (GERMAN) □ MAG □ MONOAMMONIUM L-GLUTAMATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1000 mg/kg HSZPAZ 300,97,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes including NO_x and NH₃. See also MONOSODIUM GLUTAMATE.

**MRF100 CAS: 139883-82-2 HR: 1
MONOAMMONIUM GLUTAMATE
MONOHYDRATE**mf: C₅H₉NO₄•H₃N•H₂O mw: 182.21

SYNS: GLUTAMIC ACID, MONOAMMONIUM SALT, MONOHYDRATE, L- □ L-GLUTAMIC ACID, MONOAMMONIUM SALT, MONOHYDRATE □ MONOAMMONIUM L-GLUTAMATE MONOHYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:8300 mg/kg IYKEDH 21,257,1990
orl-mus LD50:5900 mg/kg IYKEDH 21,257,1990

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

**MRF200 CAS: 2425-41-4 HR: 3
MONOBENZALPENTAERYTHRITOL**mf: C₁₂H₁₆O₄ mw: 224.28**SYN:** 2-PHENYL-m-DIOXANE-5,5-DIMETHANOL**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:103 mg/kg AITEAT 10,925,62
ipr-mus LD50:98 mg/kg AITEAT 10,925,62
scu-mus LD50:127 mg/kg AITEAT 10,925,62

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

**MRF250 CAS: 621-92-1 HR: 3
MONOBENZYL-p-AMINOPHENOL HYDRO-
CHLORIDE**mf: C₁₃H₁₃NO•ClH mw: 235.73**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:400 mg/kg KODAK* -,71
ipr-rat LD50:100 mg/kg KODAK* -,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRF275 CAS: 4704-77-2 HR: 3
MONOBROMOGLYCEROL

mf: $\text{C}_3\text{H}_7\text{BrO}_2$ mw: 155.01

SYNS: BROMODEOXYGLYCEROL □ α -BROMOHYDRIN □ 3-BROMO-1,2-PROPANEDIOL

TOXICITY DATA with REFERENCE:

mmo-sat 5 $\mu\text{mol}/\text{plate}$ JTEHD6 5,1149,79

ipr-mus LD50:212 mg/kg JMCAR 20,644,77

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of Br^- .

MRF500 CAS: 16456-56-7 HR: 2
MONOBUTYL PHOSPHITE

mf: $\text{C}_4\text{H}_{11}\text{O}_3\text{P}$ mw: 138.12

PROP: Thermally unstable liquid.

SYN: BUTYL PHOSPHITE

TOXICITY DATA with REFERENCE:

unr-mus LD50:1640 mg/kg AMIHAB 11,487,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by an unspecified route. When heated to decomposition it emits toxic fumes of PO_x .

MRF525 CAS: 131-70-4 HR: D
MONOBUTYL PHTHALATE

mf: $\text{C}_{12}\text{H}_{14}\text{O}_4$ mw: 222.26

SYNS: BUTYL HYDROGEN PHTHALATE □ MBP □ MONO-n-BUTYL PHTHALATE

TOXICITY DATA with REFERENCE:

orl-rat TDLo:5600 mg/kg (male 7D pre):REP NFGZAD 28,159,82

ipr-mus LD50:1 g/kg CHDDAT 273,2165,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRF550 CAS: 69704-19-4 HR: 1
MONOCALCIUM DI-I-GLUTAMATE
TETRAHYDRATE

mf: $\text{C}_{10}\text{H}_{16}\text{N}_2\text{O}_8 \cdot 4\text{H}_2\text{O} \cdot \text{Ca}$ mw: 356.44

SYNS: L-GLUTAMIC ACID, CALCIUM SALT (2:1), TETRAHYDRATE (9CI) □ DI-L-GLUTAMIC ACID, MONOCALCIUM SALT, TETRAHYDRATE, 1- □ L-GLUTAMIC ACID, MONOCALCIUM SALT, TETRAHYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:14,700 mg/kg IYKEDH 21,257,1990

orl-mus LD50:13,300 mg/kg IYKEDH 21,257,1990

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

MRF575 CAS: 25074-67-3 HR: D
3-MONOCHLORODIBENZOFURAN

mf: $\text{C}_{12}\text{H}_7\text{ClO}$ mw: 202.64

SYNS: 3-CHLORODIBENZOFURAN □ DIBENZOFURAN, 3-CHLORO-

TOXICITY DATA with REFERENCE:

mic-sat 500 nmol EMMUEG 17,104,1991

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

MRF600 CAS: 29256-79-9 HR: 1
MONOCHLORODIBROMOTRIFLUOROETHANE

mf: $\text{C}_2\text{Br}_2\text{ClF}_3$ mw: 276.29

SYNS: CHLORODIBROMOTRIFLUOROETHANE □

DIBROMOTRIFLUOROMONOCHLOROETHANE □ ETHANE,

CHLORODIBROMOTRIFLUORO- □ HALON 2312

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:25,000 ppm/15M AMIHBC 6,435,52

ihl-mus LC50:22 g/ m^3 GTPZAB 10(5),34,66

SAFETY PROFILE: Low toxicity by inhalation route. When heated to decomposition it emits toxic vapors of F^- , Br^- , and Cl^- .

MRG000 CAS: 55398-86-2 HR: 2
MONOCHLORODIPHENYL OXIDE

mf: $\text{C}_{12}\text{H}_9\text{ClO}$ mw: 204.66

SYNS: MONOCHLOROPHENYLETHER □ PHENYL ETHER MONO-CHLORO

TOXICITY DATA with REFERENCE:

orl-gpg LDLo:600 mg/kg 14CYAT 2,1707,63

OSHA PEL: TWA 500 $\mu\text{g}/\text{m}^3$

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of Cl^- . See also ETHERS and CHLORINATED HYDROCARBONS, ALIPHATIC.

MRG025 CAS: 36761-83-8 HR: D
MONOCHLOROETHYLCYCLOPHOSPHAMIDE

mf: $\text{C}_5\text{H}_{12}\text{ClN}_2\text{O}_2\text{P}$ mw: 198.61

SYNS: ASTA 4968 □ N-(2-CHLOROETHYL)TETRAHYDRO-2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE 2-OXIDE □ DECHLORO-ETHYLCYCLOPHOSPHAMIDE □ N-DECHLOROETHYLCYCLOPHOSPHAMIDE □ 3-DECHLOROETHYLIFOSFAMIDE □ 2H-1,3,2-OXAZAPHOSPHORIN-2-AMINE, N-(2-CHLOROETHYL)-TETRAHYDRO-, 2-OXIDE

TOXICITY DATA with REFERENCE:

sce-ckn-oth 70 mg/kg MUREAV 268,115,1992

ivn-rat LD50:800 mg/kg JMCAR 42,2542,1999

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x , PO_x , and Cl^- .

MRG050 CAS: 25586-43-0 HR: 2
MONOCHLORONAPHTHALENE

mf: $\text{C}_{10}\text{H}_7\text{Cl}$ mw: 162.62

SYNS: CHLORONAPHTHALENE □ HALOWAX 1031 □ NAPHTHALENE, CHLORO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2200 mg/kg GISAAA 47(11),78,82

orl-mus LD50:1100 mg/kg GISAAA 47(11),78,82

orl-gpg LD50:2 g/kg GISAAA 47(11),78,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRG060 CAS: 95719-24-7 HR: 2
MONOCHLOROPHENYLXYLYLETHANE

mf: $\text{C}_{16}\text{H}_{17}\text{Cl}$ mw: 244.78

SYNS: BENZENE, CHLORODIMETHYL(1-PHENYLETHYL)- □ CHLORODIMETHYL(1-PHENYLETHYL)BENZENE □ 1,1-PHENYLMONOCHLOROXYLYLETHANE □ XYLENE, CHLORO(α -METHYLBENZYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2129 mg/kg GISAAA 58(1),30,1993
 orl-mus LD50:1488 mg/kg GISAAA 58(1),30,1993

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic vapors of Cl^- .

MRG070 CAS: 13547-70-1 HR: 3
1-MONOCHLOROPINACOLINE

mf: $\text{C}_6\text{H}_{11}\text{ClO}$ mw: 134.62

SYNS: tert-BUTYL CHLOROMETHYL KETONE □ 2-BUTANONE, 1-CHLORO-3,3-DIMETHYL- □ 1-CHLORO-3,3-DIMETHYLBUTAN-2-ONE □ CHLOROMETHYL tert-BUTYL KETONE □ α -CHLOROPINACOLIN □ α -CHLOROPINACOLINE □ 1-CHLOROPINACOLONE □ CHLORPINAKOLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:550 mg/kg GISAAA 52(12),91,1987
 orl-mus LD50:355 mg/kg GISAAA 52(12),91,1987
 ihl-mus LC50:4600 mg/ m^3 GISAAA 52(12),91,1987
 orl-rbt LD50:675 mg/kg GISAAA 52(12),91,1987

SAFETY PROFILE: A poison by ingestion. Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of Cl^- .

MRG100 HR: 2
MONOCHORIA VAGINALIS (Burm. f.) Presl., extract

PROP: Indian plant belonging to the family Pontederiaceae (IJEBA6 22,487,84).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:562 mg/kg IJEBA6 22,487,84

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

MRG200 CAS: 26543-09-9 HR: 2
MONOCROTALIC ACID

mf: $\text{C}_8\text{H}_{12}\text{O}_5$ mw: 188.20

SYNS: 1-ARABINARIC ACID, 2-DEOXY-2-METHYL-3,4-DI-C-METHYL-, 1,4-LACTONE □ 2-FURANCARBOXYLIC ACID, TETRAHYDRO-3-HYDROXY-2,3,4-TRIMETHYL-5-OXO-, (2R-(2- α ,3- β ,4- α))- □ 2-FUROIC ACID, TETRAHYDRO-3-HYDROXY-2,3,4-TRIMETHYL-5-OXO-, (2R,3R,4R)-

TOXICITY DATA with REFERENCE:

ivn-rat LD50:581 mg/kg RETOAE 5,53,1949
 ivn-mus LD50:606 mg/kg RETOAE 5,53,1949

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

MRH000 CAS: 315-22-0 HR: 3

MONOCROTALINE

mf: $\text{C}_{16}\text{H}_{23}\text{NO}_6$ mw: 325.40

PROP: Prisms from abs ethanol. Decomp @ 202–203°.

SYNS: CROTALINE □ 14,19-DIHYDRO-12,13-DIHYDROXY(13- α ,14- α)-20-NORCROTALANAN-11,15-DIONE □ MONOCRATILIN □ NCI-C56462 □ NSC-28693

TOXICITY DATA with REFERENCE:

cyt-hmn:lvf 50 mg/L BJCAAI 14,637,60
 dns-rat:lvf 2 $\mu\text{mol/L}$ CNREA8 45,3125,85
 scu-rat TDLo:130 mg/kg/1Y-I:CAR JNCIAM 56,787,76
 orl-rat LD50:66 mg/kg TXAPA9 18,387,71
 ipr-rat LDLo:130 mg/kg CBINA8 12,299,76
 scu-rat LDLo:60 mg/kg TXAPA9 23,470,72
 ivn-rat LD50:92 mg/kg JPETAB 83,265,45
 ipr-mus LD50:259 mg/kg TXAPA9 59,424,81
 ivn-mus LD50:261 mg/kg JPETAB 75,78,42

CONSENSUS REPORTS: IARC Cancer Review:

Group 2B IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 10,291,76. EPA Genetic Toxicology Program.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

MRH209 CAS: 6923-22-4 HR: 3
MONOCROTOPHOS

mf: $\text{C}_7\text{H}_{14}\text{NO}_5\text{P}$ mw: 223.19

PROP: Crystals or a reddish-brown solid; mild ester odor. Bp: 125°, mp: 54–55°. Sol in H_2O , Me_2CO ; insol in hexane.

SYNS: APADRIN □ AZODRIN (OSHA) □ AZODRIN-71 □ AZODRIN PESTICIDE □ BILOBRAN □ BILOBORN □ C 1414 □ CIBA 1414 □ COROPHOS □ CRISODIN □ CRISODRIN □ 3-(DIMETHOXYPHOSPHINYLOXY)N-METHYL-cis-CROTONAMIDE □ O,O-DIMETHYL-O-(2-N-METHYLCARBAMOYL-1-METHYL-VINYL)-FOSFAAT (DUTCH) □ O,O-DIMETHYL-O-(2-N-METHYLCARBAMOYL-1-METHYL-VINYL)-PHOSPHAT (GERMAN) □ O,O-DIMETHYL-O-(2-N-METHYLCARBAMOYL-1-METHYL-VINYL) PHOSPHATE □ (E)-DIMETHYL 1-METHYL-3-(METHYLAMINO)-3-OXO-1-PROPENYL □ DIMETHYL-1-METHYL-2-(METHYLCARBAMOYL)VINYLPHOSPHATE, cis PHOSPHATE □ DIMETHYL PHOSPHATE ESTER of 3-HYDROXY-N-METHYL-cis-CROTONAMIDE □ DIMETHYL PHOSPHATE of 3-HYDROXY-N-METHYL-cis-CROTONAMINE □ O,O-DIMETHYL-O-(2-N-METHYLCARBAMOYL-1-METHYL-VINYL)-FOSFATO (ITALIAN) □ ENT 27,129 □ HAZODRIN □ 3-HYDROXY-N-METHYL-cis-CROTONAMIDE DIMETHYL PHOSPHATE □ cis-1-METHYL-2-METHYL CARBAMOYL VINYL PHOSPHATE □ MONOCIL □ MONOCIL 40 □ MONOCRON □ MONOCROTOPHOS □ MONOCROTOPHOS (ACGIH,OSHA) □ MONODRIN □ NUVACRON □ NUVACRON 20 □ OMS 834 □ PHOSPHATE de DIMETHYLE et de 2-METHYLCARBAMOYL 1-METHYL VINYLE □ PHOSPHORIC ACID, DIMETHYL ESTER, ESTER with cis-3-HYDROXY-N-METHYLCROTONAMIDE □ PHOSPHORIC ACID, DIMETHYL 1-METHYL-3-(METHYLAMINO)-3-OXO-1-PROPENYL ESTER, (E)- □ PILLARDRIN □ PLANTDRIN □ SD 9129 □ SHELL SD 9129 □ SUSVIN □ ULVAIR

TOXICITY DATA with REFERENCE:

mno-sat 500 $\mu\text{g/plate}$ NTIS** PB84-138973
 mmo-esc 5 $\mu\text{L/plate}$ MUREAV 28,405,75
 orl-rat LD50:8 mg/kg FMCHA2 -,C161,83

ihl-rat LC50:63 mg/m³/4H EGESAQ 24,173,80
 skn-rat LD50:112 mg/kg WRPCA2 9,119,70
 ipr-rat LDLo:20 mg/kg BECTA6 19,47,78
 scu-rat LD50:6964 µg/kg BJPCBM 40,124,70
 ivn-rat LD50:9200 µg/kg NTIS** PB277-077
 orl-mus LD50:15 mg/kg ARSIM* 20,21,66
 ipr-mus LD50:3800 µg/kg TXAPA9 13,37,68
 scu-mus LD50:8710 µg/kg JPPMAB 19,612,67
 ivn-mus LD50:9200 µg/kg JPPMAB 19,612,67
 skn-rbt LD50:354 mg/kg SHELL*
 orl-dck LD50:3360 µg/kg TXAPA9 22,556,72
 skn-dck LD50:30 mg/kg TXAPA9 47,451,79

CONSENSUS REPORTS: EPA Genetic Toxicology Program. EPA Extremely Hazardous Substances List.

OSHA PEL: TWA 0.25 mg/m³

ACGIH TLV: TWA 0.05 mg/m³; (skin); Not Classifiable as a Human Carcinogen

SAFETY PROFILE: Poison by ingestion, inhalation, skin contact, intraperitoneal, subcutaneous, and intravenous routes. Mutation data reported. Use may be restricted. When heated to decomposition it emits very toxic NO_x and PO_x.

MRH212 CAS: 22771-18-2 HR: 2
MONOCYCLOHEXYLTIN ACID

mf: C₆H₁₂O₂Sn mw: 234.87

SYN: STANNANE, CYCLOHEXYLHYDROXYOXO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3600 mg/kg GISAAA 48(3),55,83

OSHA PEL: TWA 0.1 mg(Sn)/m³ (skin)

ACGIH TLV: TWA 0.1 mg(Sn)/m³ (skin)

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

MRH214 CAS: 34432-82-1 HR: D
MONO(2,3-DIBROMOPROPYL)AMMONIUM PHOSPHATE

mf: C₆H₁₀Br₄O₄P•H₄N mw: 514.82

SYNS: AMMONIUM BIS(2,3-DIBROMOPROPYL)PHOSPHATE □ BIS(2,3-DIBROMOPROPYL)PHOSPHATE AMMONIUM SALT □ 2,3-DIBROMO-1-PROPANOL HYDROGEN PHOSPHATE AMMONIUM SALT □ 1-PROPANOL, 2,3-DIBROMO-, HYDROGEN PHOSPHATE, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

mma-sat 10 µmol/plate MUREAV 117,1,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NH₃, PO_x, and Br⁻.

MRH215 HR: D
MONO- and DIGLYCERIDES

PROP: Yellow liquids to ivory-colored plastics to hard solids; bland odor and taste. Sol in alc, ethyl acetate, chloroform, other chlorinated hydrocarbons; insol in water.

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

MRH218 HR: D

MONO- and DIGLYCERIDES, MONOSODIUM PHOSPHATE DERIVATIVES

SYN: MONOSODIUM PHOSPHATE DERIVATIVES of MONO- and DIGLYCERIDES

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

MRH217 CAS: 5324-12-9 HR: 3
MONO(2,3-DIBROMOPROPYL)PHOSPHATE

mf: C₃H₇Br₂O₄P mw: 297.89

SYNS: 2,3-DIBROMO-1-PROPANOL DIHYDROGEN PHOSPHATE □ 2,3-DIBROMOPROPYLPHOSPHATE □

PHOSPHORIC ACID, MONO(2,3-DIBROMOPROPYL) ESTER □ 1-PROPANOL, 2,3-DIBROMO-, DIHYDROGEN PHOSPHATE □ 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (1:1)

TOXICITY DATA with REFERENCE:

mmo-sat 30 µmol/plate MUREAV 117,1,83

ipr-mus LDLo:250 mg/kg CBCCT* 6,226,54

SAFETY PROFILE: A poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic vapors of PO_x and Br⁻.

MRH225 HR: D
MONO-, DI-, and TRIPOTASSIUM CITRATE

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

MRH230 HR: D
MONO-, DI-, and TRISODIUM CITRATE

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

MRH235 HR: D
MONO-, DI-, and TRISTEARYL CITRATE

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

MRH250 CAS: 151-41-7 HR: 2
MONODODECYL ESTER SULFURIC ACID

mf: C₁₂H₂₆O₄S mw: 266.4

PROP: Crystals. Sol in H₂O.

SYNS: DODECYL SULFATE □ DODECYLSULFURIC ACID □ LAURYL SULFATE □ LAURYL SULFURIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:1300 mg/kg JSCCA5 13,469,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x. See also SULFATES and ESTERS.

MRH300 CAS: 4337-66-0 HR: 2
MONOETHANEAMINE BENZOATE

mf: C₇H₆O₂•C₂H₇NO mw: 183.23

SYNS: BENZOATE of MONOETHANOLAMINE □ BENZOIC ACID, compd. with 2-AMINOETHANOL (1:1)

TOXICITY DATA with REFERENCE:

orl-rat LD50:9274 mg/kg GISAAA 51(1),75,86

orl-mus LD50:2680 mg/kg GISAAA 51(1),75,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRH400 CAS: 63886-51-1 HR: 3
MONOETHYL BUTYLPHOSPHONATE
ANHYDRIDE WITH DIETHYL PHOSPHATE

mf: C₁₀H₂₄O₆P₂ mw: 302.28

SYN: PHOSPHONIC ACID, BUTYL-, MONOETHYL ESTER, ANHYDRIDE WITH DIETHYL PHOSPHATE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:31,300 µg/kg CBCCT* 9,131,1957

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

MR1000 CAS: 1498-64-2 HR: 3
MONOETHYLDICHLOROTHIOPHOSPHATE

mf: C₂H₅Cl₂OPS mw: 179.00

PROP: A liquid. D: 1.397 @ 20°, bp: 68° @ 20 mm.

SYNS: ETHYLDICHLOROTHIOPHOSFAT (CZECH) □ O-ETHYLESTER KYSELINY DICHLOROTHIOPHOSFORECNE (CZECH) □ TL 429

TOXICITY DATA with REFERENCE:

orl-rat LD50:900 mg/kg HYSAAV 33(12),334,68

ihl-rat LCLo:32 ppm/4H 28ZPAK -,214,72

orl-mus LD50:720 mg/kg HYSAAV 33(12),334,68

ihl-mus LCLo:3060 mg/m³/10M NDRC** NDCrc-132,Nov,42

orl-rbt LD50:850 mg/kg HYSAAV 33(12),334,68

orl-gpg LD50:750 mg/kg HYSAAV 33(12),334,68

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. A powerful irritant. When heated to decomposition it emits very toxic fumes of Cl⁻, PO_x, and SO_x.

MR1100 CAS: 4376-20-9 HR: 3
MONOETHYLHEXYL PHTHALATE

mf: C₁₆H₂₂O₄ mw: 278.38

SYNS: MEHP □ MONO(2-ETHYLHEXYL)PHTHALATE

TOXICITY DATA with REFERENCE:

skn-rat 100 mg NTIS** PB-250-102

mno-sat 1250 µg/plate EVHPAZ 45,119,82

cyt-ham-orl 375 mg/kg EVHPAZ 45,119,82

orl-mus TDLo:100 mg/kg (female 7D post):TER JEPTDQ 4(2-3),533,80

orl-rat LD50:1340 mg/kg TXAPA9 45,250,78

ipr-rat LD50:415 mg/kg NTIS** PB250-102

ivn-rat LD50:150 mg/kg NTIS** PB250-102

ipr-mus LD50:240 mg/kg NTIS** PB250-102

ivn-mus LD50:208 mg/kg NTIS** PB250-102

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

MR1250 CAS: 21124-09-4 HR: D
MONOETHYLPHENYLTRIAZENE

mf: C₈H₁₁N₃ mw: 149.22

SYN: 1-ETHYL-3-PHENYLTRIAZENE

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

MR1275 CAS: 2306-33-4 HR: 2
MONOETHYL PHTHALATE

mf: C₁₀H₁₀O₄ mw: 194.20

SYNS: 1,2-BENZENECARBOXYLIC ACID, MONOETHYL ESTER □ PHTHALIC ACID, MONOETHYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:700 mg/kg CHDDAT 273,2165,71

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

MR1285 CAS: 70050-43-0 HR: D
α-MONOFLUOROMETHYLHISTIDINE

mf: C₇H₁₀FN₃O₂ mw: 187.20

SYNS: α-AMINO-α-(FLUOROMETHYL)IMIDAZOLE-4-PROPIONIC ACID □ HISTIDINE, α-(FLUOROMETHYL)-(9CI) □ IMIDAZOLE-4-PROPIONIC ACID, α-AMINO-α-(FLUOROMETHYL)-

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

MR1300 HR: D
MONOGLYCERIDE CITRATE

PROP: Soft, white-colored, lard-like, waxy solid; bland odor and taste. Sol in fat solvents, alc; insol in water.

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

MR1500 CAS: 63041-07-6 HR: 2
MONOGLYCIDYL ETHER of N-PHENYLDI-ETHANOLAMINE

mf: C₁₃H₁₉NO₃ mw: 237.33

SYN: 2-(N-(2-(3-EPOXYPROPOXY)ETHYL)ANILINO)ETHANOL

TOXICITY DATA with REFERENCE:

scu-mus TDLo:17 g/kg/43W-I:ETA FCTXAV 4,365,66

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

MR1750 CAS: 39801-14-4 HR: 3
8-MONOHYDRO MIREX

mf: C₁₀HCl₁₁ mw: 511.06

SYNS: HYDROMIREX □ PHOTOMIREX □ 1,2,3,4,5,5,6,7,9,10,10-UNDECACHLOROPENTACYCLO(5.3.O.0^{2,6}.O^{3,9}.O^{4,8})DECANE

TOXICITY DATA with REFERENCE:

spm-mus-ipr 9 mg/kg/5D-C ENMUDM 8(Suppl 6),39,86

orl-rat LD50:200 mg/kg JAFCAU 26,388,78

SAFETY PROFILE: Poison by ingestion. Experimental teratogenic effects. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻. See also MIREX.

MR1760 CAS: 142609-62-9 HR: D
MONOISOAMYL MESO-2,3-

DIMERCAPTOSUCCINATEmf: $C_9H_{16}O_4S_2$ mw: 252.37**SYNS:** BUTANEDIOIC ACID, 2,3-DIMERCAPTO-, MONO(3-METHYLBUTYL) ESTER, (R*,S*)- □ MONO(3-METHYLBUTYL) 2,3-DIMERCAPTObUTANEDIOATE (R*,S*)-**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of SO_x .**MRJ775 CAS: 30833-53-5 HR: D
MONO-ISO-BUTYL PHTHALATE**mf: $C_{12}H_{14}O_4$ mw: 222.26**PROP:** A solid. Mp: 65°.**SYNS:** 1,2-BENZENEDICARBOXYLIC ACID, MONO(2-METHYLPROPYL) ESTER (9CI) □ MIBP**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**MRJ785 HR: D
MONOISOPROPYL CITRATE****SAFETY PROFILE:** When heated to decomposition it emits acrid smoke and irritating fumes.**MRJ000 CAS: 142-18-7 HR: 1
1-MONOLAURIN**mf: $C_{15}H_{30}O_4$ mw: 274.45**SYNS:** DODECANOIC ACID-2,3-DIHYDROXYPROPYL ESTER □ GLYCERYL MONOLAURATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:53 g/kg FOREAE 21,348,56

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.**MRJ125 HR: 3
MONOLITHIUM ACETYLIDE-AMMONIA**mf: $C_2HLi \cdot H_3N$ mw: 49.00**SAFETY PROFILE:** The complex ignites on contact with carbon dioxide, sulfur dioxide, chlorine, or water. When heated to decomposition it emits toxic fumes of NH_3 and NO_x . See also ACETYLIDES and LITHIUM COMPOUNDS.**MRJ200 CAS: 73372-63-1 HR: 2
MONOMETHYL 2,6-DIMETHYL-4-(2-NITRO-PHENYL)-3,5-PYRIDINEDICARBOXYLATE**mf: $C_{16}H_{14}N_2O_6$ mw: 330.32**SYNS:** BAY-O-2820 □ 5-METHOXYCARBONYL-2,6-DIMETHYL-4-(2-NITROPHENYL)-3-PYRIDINECARBOXYLIC ACID □ MP2689 □ 3,5-PYRIDINEDICARBOXYLIC ACID, 2,6-DIMETHYL-4-(2-NITROPHENYL)-, MONOMETHYL ESTER**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:>2 g/kg YACHDS 21(Suppl 4),S939,93

SAFETY PROFILE: Moderately toxic by intravenous route. When heated to decomposition it emits toxic vapors of NO_x .**MRJ250 CAS: 29674-96-2 HR: 3****MONOMETHYLHYDRAZINE NITRATE**mf: $CH_6N_2 \cdot HNO_3$ mw: 109.11**SYN:** METHYLHYDRAZINIUM NITRATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:133 mg/kg CTOXAO 4,435,71

skn-rat LD50:285 mg/kg CTOXAO 4,435,71

ipr-rat LD50:43 mg/kg CTOXAO 4,435,71

ivn-rat LD50:38 mg/kg CTOXAO 4,435,71

orl-ham LD50:72 mg/kg CTOXAO 4,435,71

skn-ham LD50:326 mg/kg CTOXAO 4,435,71

ipr-ham LD50:45 mg/kg CTOXAO 4,435,71

SAFETY PROFILE: Poison by ingestion, skin contact, intravenous, and intraperitoneal routes. An impact-sensitive explosive. When heated to decomposition it emits toxic fumes of NO_x .**MRJ600 CAS: 54597-56-7 HR: 3
MONOMYCIN****TOXICITY DATA with REFERENCE:**

ipr-mus LD50:510 mg/kg 85FZAT -,433,67

scu-mus LD50:615 mg/kg 85FZAT -,433,67

ivn-mus LD50:77 mg/kg AITEAT 10,947,62

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes.**MRJ700 CAS: 77893-24-4 HR: D
MONONITROSOCIMETIDINE**mf: $C_{10}H_{17}N_7OS$ mw: 283.40**TOXICITY DATA with REFERENCE:**

mmo-sat 10 mg/plate CRNGDP 2,261,81

cyt-ham:ovr 260 μ mol/L/2H CRNGDP 2,261,81**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x .**MRJ750 CAS: 5632-47-3 HR: 2
MONONITROSOPIPERAZINE**mf: $C_4H_9N_3O$ mw: 115.16**SYNS:** N-NITROSOPIPERAZINE □ 1-NITROSOPIPERAZINE**TOXICITY DATA with REFERENCE:**mma-sat 5 μ mol/plate MUREAV 57,1,78

hma-mus/sat 8 mg/kg CNREA8 37,457,77

orl-rat TDLo:5400 mg/kg/60W-I:CAR ZEKBAI 74,179,70

orl-rat LD50:2260 mg/kg ZEKBAI 74,179,70

SAFETY PROFILE: Moderately toxic by ingestion.Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x . See also N-NITROSO COMPOUNDS.**MRJ800 CAS: 26266-57-9 HR: 1
MONOPALMITATE SORBITAN**mf: $C_{22}H_{42}O_6$ mw: 402.64**SYNS:** ARLACEL 40 □ CRILL 2 □ EMSORB 2510 □ GLYCOMUL P □ LIPOSORB P □ MONTANE 40 □ NIKKOL SP10 □ NISSAN NONION PP40 □ NISSAN NONION PP 40R □ NONION PP40 □ PROTACHEM SMP □ RHEODOL SP-P 10 □ SORBITAN PALMITATE □ SORGEN 70 □ SPAN 40

TOXICITY DATA with REFERENCE:

skn-rbt 800 µg MOD JACTDZ 4(3),65,85
 eye-rbt 1600 µg MLD JACTDZ 4(3),65,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRK000 CAS: 3504-13-0 HR: 3
MONOPEROXY SUCCINIC ACID

mf: C₄H₆O₅ mw: 134.09
 HOCO•C₂H₄CO•OOH

PROP: A solid. Mp: 107° (approx).

SAFETY PROFILE: Explodes on exposure to flame. It is slightly shock sensitive. A powerful oxidant. Upon decomposition it emits acrid smoke and irritating fumes. See also PEROXIDES, ORGANIC.

MRK100 CAS: 2528-16-7 HR: D
MONO(PHENYLMETHYL) 1,2-BENZENEDICARBOXYLATE

mf: C₁₅H₁₂O₄ mw: 256.27
 SYNS: 1,2-BENZENEDICARBOXYLIC ACID, MONO(PHENYLMETHYL)ESTER □ BENZYL HYDROGEN PHTHALATE □ MONOBENZYL PHTHALATE □ MONO-N-BENZYL PHTHALATE □ NSC 402008 □ PHTHALIC ACID, BENZYL ESTER

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating vapors.

MRK250 CAS: 3454-11-3 HR: 3
MONOPOTASSIUM aci-1-DINITROETHANE

mf: C₂H₃KN₂O₃ mw: 142.16
 O₂NC(CH₃)=NOK

SYN: POTASSIUM 1-NITROETHANE-1-OXIMATE

SAFETY PROFILE: An explosive. When heated to decomposition it emits very toxic fumes of K₂O and NO_x.

MRK500 CAS: 19473-49-5 HR: 1
MONOPOTASSIUM GLUTAMATE

mf: C₅H₈NO₄•K mw: 185.24

PROP: White, free-flowing, hygroscopic crystalline powder; practically odorless. Freely sol in water; sltly sol in alc.

SYNS: L-GLUTAMIC ACID, MONOPOTASSIUM SALT □ MONOPOTASSIUM L-GLUTAMATE (FCC) □ MPG □ POTASSIUM GLUTAMATE □ POTASSIUM GLUTAMINATE

TOXICITY DATA with REFERENCE:

orl-hmn TDL₀:57 mg/kg:CNS SCIEAS 163,826,69
 orl-mus LD50:4500 mg/kg FATOAO 42,274,79

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

SAFETY PROFILE: Mildly toxic by ingestion. Human systemic effects by ingestion: headache. When heated to decomposition it emits toxic fumes of K₂O and NO_x.

MRK525 CAS: 6382-01-0 HR: 1
MONOPOTASSIUM L-GLUTAMATE MONOHYDRATE

mf: C₅H₉NO₄•H₂O•K mw: 204.27

SYNS: GLUTAMIC ACID, MONOPOTASSIUM SALT, MONOHYDRATE □ GLUTAMIC ACID, MONOPOTASSIUM SALT, MONOHYDRATE, L- □ L-GLUTAMIC ACID, MONOPOTASSIUM SALT, MONOHYDRATE □ MONOPOTASSIUM GLUTAMATE MONOHYDRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:7900 mg/kg IYKEDH 21,257,1990
 orl-mus LD50:7700 mg/kg IYKEDH 21,257,1990

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

MRK609 CAS: 1066-26-8 HR: 3
MONOSODIUM ACETYLIDE

mf: C₂HNa mw: 48.02

PROP: White crystals.

SAFETY PROFILE: When heated to 150°C it decomposes to form a gas which ignites spontaneously in air. The dry powder can ignite spontaneously if a large surface area is exposed to air (e.g. on a filter paper). When heated to decomposition it emits toxic fumes of Na₂O. See also ACETYLIDES.

MRK750 CAS: 4390-16-3 HR: 2
MONOSODIUM BARBITURATE

mf: C₄H₄N₂O₃•Na mw: 151.09

SYNS: 2,4,6-(1H,3H,5H)-PYRIMIDINETRIONE, MONOSODIUM SALT (9CI) □ SODIUM BARBITURATE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

MRL000 CAS: 18996-35-5 HR: 3
MONOSODIUM CITRATE

mf: C₆H₇O₇•Na mw: 214.12

SYNS: CITRIC ACID, MONOSODIUM SALT □ CITRIC ACID, SODIUM SALT □ CITROFLUYL □ 2-HYDROXY-1,2,3-PROPANETRICARBOXYLIC ACID MONOSODIUM SALT □ MONOSODIUM DIHYDROGEN CITRATE □ SODIUM CITRATE □ SODIUM DIHYDROGEN CITRATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1348 mg/kg JPETAB 94,65,48
 ipr-mus LD50:1635 mg/kg JPETAB 94,65,48
 ivn-mus LD50:49 mg/kg JPETAB 94,65,48
 ivn-rbt LD50:379 mg/kg JPETAB 94,65,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of Na₂O.

MRL100 CAS: 547-57-9 HR: 2
MONOSODIUM 4-((2,4-DIHYDROXYPHENYL)-AZO)BENZENESULFONATE

SYNS: ACID LEATHER YELLOW PGW □ ACID ORANGE 6 □ ACID PHOSPHINE G NEW □ ACME YELLOW ACID YELLOW RS □ BENZENESULFONIC ACID, 4-((2,4-DIHYDROXYPHENYL)-AZO)-, MONOSODIUM SALT □ CETIL CHROMINE YELLOW GR □ CHRYSOINE □ CHRYSOINE EXTRA □ CHRYSOINE EXTRA

PURE A □ CHRYSOINE N □ CHRYSOINE S □ CHRYSOINE S
EXTRA PURE □ CHRYSOIN G □ CHRYSOIN S (6CI) □
CHRYSOIN S SPECIALLY PURE □ CHRYSONINE S □ C.I. 14270
□ C.I. ACID ORANGE 6 (7CI) □ C.I. ACID ORANGE 6,
MONOSODIUM SALT (8CI) □ C.I. FOOD YELLOW 8 □ CUROL
ORANGE G □ C YELLOW 12 □ DERMINA YELLOW G □ E 103
□ E 103 (DYE) □ ENIACID YELLOW RS □ EUROCERT
CHRYSOINE S □ GOLD YELLOW □ HISPACID YELLOW CG □
NAPHTHAZINE YELLOW RP □ NEKLACID YELLOW G □
ORANGE ACID G □ RESORCINE YELLOW □ RESORCINE
YELLOW O EXTRA □ RESORCINOL YELLOW □ RESORCINOL
YELLOW A □ RESORCIN YELLOW □ SODIUM
AZORESORCINOLSULFANILATE □ TERTRACID YELLOW TRO
□ TROPAEOLINE □ TROPAEOLIN O □ TROPAEOLIN R □
TROPEOLIN O □ YELLOW T

TOXICITY DATA with REFERENCE:

ipr-rat LD50:>1 g/kg APFRAD 15,402,57

ivn-rat LD50:>1 g/kg APFRAD 15,402,57

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

MRL500 CAS: 142-47-2 HR: 2 MONOSODIUM GLUTAMATE

mf: C₅H₈NO₄•Na mw: 169.13

PROP: White or almost white crystals or powder; slt peptone-like odor, meal-like taste. Very sol in water; sltly sol in alc.

SYNS: ACCENT □ AJINOMOTO □ CHINESE SEASONING □ GLUTACYL □ GLUTAMIC ACID, SODIUM SALT □ GLUTAMM-ATO MONOSODICO (ITALIAN) □ GLUTAVENE □ MONO-SODIOGLUTAMMATO (ITALIAN) □ MONOSODIUM-L-GLUTAMATE (FCC) □ α-MONOSODIUM GLUTAMATE □ MSG □ NATRIUMGLUTAMINAT (GERMAN) □ RL-50 □ SODIUM GLUTAMATE □ SODIUM L-GLUTAMATE □ L(+) SODIUM GLUTAMATE □ VETSIN □ ZEST

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:50 mg/kg:PUL NEJMAG 305,1154,81

orl-hmn TDLo:43 mg/kg:CNS,GIT HYSAAV 36(9),364,71

orl-man TDLo:3571 µg/kg:SKN LANCAO 1,988,87

ivn-hmn TDLo:714 µg/kg:CNS SCIEAS 163,826,69

orl-rat LD50:16,600 mg/kg FRPPAO 27,19,72

ipr-rat LD50:4253 mg/kg HSZPAZ 300,97,55

scu-rat LD50:5580 mg/kg OYYAA2 15,433,78

ivn-rat LD50:3300 mg/kg OYYAA2 15,433,78

orl-mus LD50:11,400 mg/kg AEPPAE 227,214,55

ipr-mus LD50:3800 mg/kg AEPPAE 227,214,55

scu-mus LD50:8200 mg/kg OYYAA2 15,433,78

ivn-mus LD50:30 g/kg FAONAU 53A,437,74

scu-cat LD50:8000 mg/kg EbeAG# 19NOV73

ipr-gpg LD50:15 g/kg FAONAU 53A,437,74

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

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion and other routes. An experimental teratogen. Other experimental reproductive effects. Human systemic effects by ingestion and intravenous routes: somnolence, hallucinations and distorted perceptions, headache, dyspnea, nausea or vomiting, dermatitis. The cause of "Chinese restaurant

syndrome." When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

MRL750 CAS: 2163-80-6 HR: 3 MONOSODIUM METHYLARSONATE

mf: CH₃AsO₃•Na mw: 161.96

PROP: Crystals from H₂O. Mp: 113–116°. Very sol in H₂O; sol in MeOH; insol in most org solvs.

SYNS: ANSAR 170 □ ARSONATE liquid □ ASAZOL □ BUENO □ DACONATE 6 □ DAL-E-RAD □ HERB-ALL □ HERBAN M □ MERGE □ MESAMATE □ MESAMATE CONCENTRATE □ METHYLARSENIC ACID, SODIUM SALT □ MONATE □ MONOSODIUM ACID METHANEARSONATE □ MONOSODIUM ACID METHARSONATE □ MONOSODIUM METHANEARSON-ATE □ MONOSODIUM METHANEARSONIC ACID □ MSMA □ NCI-C60071 □ PHYBAN □ SILVISAR 550 □ SODIUM ACID METHANEARSONATE □ SODIUM METHANEARSONATE □ TARGET MSMA □ TRANS-VERT □ WEED 108 □ WEED-E-RAD □ WEED-HOE

TOXICITY DATA with REFERENCE:

skn-rbt 54 mg open MLD CIGET* -,77

eye-rbt 34 mg MLD CIGET* -,77

orl-rat LD50:700 mg/kg FMCHA2 -,C163,83

orl-rbt LD50:102 mg/kg BECTA6 40,119,88

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

OSHA PEL: TWA 0.5 mg(As)/m³

ACGIH TLV: BEI: 35 µ(As)/L inorganic arsenic and methylated metabolites in urine

SAFETY PROFILE: Poison by unspecified route. Moderately toxic by ingestion. A skin and eye irritant. When heated to decomposition it emits toxic fumes of As and Na₂O. See also ARSENIC COMPOUNDS.

MRM000 CAS: 5736-15-2 HR: 2 MONOSODIUM SALT OF 2,2'-METHYLENE BIS(3,4,6-TRICHLOROPHENOL)

mf: C₁₃H₅Cl₆O₂•Na mw: 428.87

SYNS: HEXACHLOROPHENE □ ISOBAC 20 □ SERIBAK

TOXICITY DATA with REFERENCE:

orl-rat LD50:560 mg/kg FMCHA2 -,C133,83

orl-qal LD50:575 mg/kg FMCHA2 -,C133,83

orl-dck LD50:1450 mg/kg FMCHA2 -,C133,83

CONSENSUS REPORTS: Chlorophenol compounds are on the Community Right-To-Know List.

SAFETY PROFILE: Moderately toxic by ingestion. A fungicide and disinfectant. When heated to decomposition it emits toxic fumes of Cl⁻ and Na₂O. See also CHLOROPHENOLS.

MRM250 CAS: 547-32-0 HR: 2 MONOSODIUM-2-SULFANILAMIDOPYRIMIDINE

mf: C₁₀H₁₀N₄O₂S•Na mw: 273.29

PROP: Yellowish-white powder, darkens on exposure to light, absorbs CO₂. Very sol in H₂O.

SYNS: N¹-2-PYRIMIDINYLSULFANILAMIDE MONOSODIUM SALT □ SODIUM SULFADIAZINE □ SODIUM SULFAPYRIMID-INE □ SOLUBLE SULFADIAZINE □ 2-SULFANILAMIDO-PYRIMIDINE SODIUM SALT

TOXICITY DATA with REFERENCE:

orl-mus LD50:1700 mg/kg AIPTAK 94,338,53
 scu-mus LD50:1408 mg/kg AMSSAQ 142,64,43
 ivn-mus LD50:540 mg/kg AIPTAK 94,338,53

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O and SO_x.

MRM300 CAS: 8039-98-3 HR: 3
MONOSULPH

TOXICITY DATA with REFERENCE:

eye-rbt 1% MLD JAPMA8 38,428,49
 orl-mus LD50:>25 g/kg JAPMA8 38,428,49
 ivn-mus LD50:88 mg/kg JAPMA8 38,428,49

SAFETY PROFILE: A poison by intravenous route. Low toxicity by ingestion. An eye irritant. When heated to decomposition it emits toxic vapors of SO_x.

MRM750 CAS: 96-27-5 HR: 3
MONOTHIOGLYCEROL

mf: C₃H₈O₂S mw: 108.17

PROP: A liquid. Bp: 118° @ 5 mm, d: 1.248 @ 20°/20°. Sol in water.

SYNS: 1-MERCAPTOGLYCEROL □ 1-MERCAPTO-2,3-PROPANEDIOL □ 3-MERCAPTO-1,2-PROPANEDIOL □ α-MONOTHIOGLYCEROL □ THIOGLYCERIN □ α-THIOGLYCEROL □ 1-THIOGLYCEROL □ THIOVANOL □ USAF B-40 □ USAF CB-37

TOXICITY DATA with REFERENCE:

oms-esc 2000 ppm AMACCQ 19,556,81
 ipr-rat LD50:390 mg/kg JPETAB 97,349,49
 ipr-mus LD50:340 mg/kg JPETAB 97,349,49
 ivn-cat LD50:220 mg/kg JPETAB 97,349,49
 ivn-rbt LD50:250 mg/kg JPETAB 97,349,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Experimental reproductive effects. Mutation data reported. Flammable when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits highly toxic fumes of SO_x. See also MERCAPTANS.

MRN000 CAS: 4166-00-1 HR: 3
MONOTHIOSUCCINIMIDE

mf: C₄H₅NOS mw: 115.16

PROP: Yellowish powder by sublimation; yellow prisms from CCl₄. Mp: 112–114°, bp: 45° @ 0.05 mm (sublimes).

SYNS: THIOSUCCINIMIDE □ USAF WI-1

TOXICITY DATA with REFERENCE:

ipr-mus LD50:100 mg/kg NTIS** AD414-344

SAFETY PROFILE: Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

MRN050 CAS: 64474-06-2 HR: 2
MONOTRICHORO-TETRA(MONOPOTASSIUM DICHLORO)-PENTA-s-TRIAZINETRIONE

mf: C₃HCl₂N₃O₃•1/4C₃Cl₃N₃O₃•K

SYNS: ACL 60 SANITIZER □ ACL 66 □ 1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE, 1,3,5-TRICHLORO-, COMPD. WITH 1,3-DICHLORO-1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE POTASSIUM SALT (1:4) □ TRICHLOROISOCYANURIC ACID-POTASSIUM DICHLOROISOCYANURATE (1:4)

TOXICITY DATA with REFERENCE:

orl-rat LD50:3945 mg/kg MONS**-,1972
 skn-rbt LDLo:5010 mg/kg MONS**-,1972
 orl-dck LD50:1916 mg/kg NTIS** OTS0545814

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

MRN100 HR: 2
MOONSEED

PROP: A woody vine which grows to 12 feet. The leaves are about 8 inches long and broad. The blue-black fruit looks and forms clusters like grapes and has a crescent-shaped seed. The vine has been mistaken for wild grape. It grows wild in moist wooded areas in the region bounded by Georgia, Oklahoma, Manitoba, and Quebec.

SYNS: CANADA MOONSEED □ MENISPERMUM CANADENSE □ RAISIN de COULEUVRE (CANADA) □ TEXAS SARSAPARILLA □ YELLOW PARILLA (CANADA) □ YELLOW SARSAPARILLA

SAFETY PROFILE: The berries contain poisonous alkaloids with picROTOXIN-like effects. Ingestion of the berries can cause convulsions. See also PICROTOXIN.

MRN125 CAS: 100785-86-2 HR: 2
MOPLANE

SYN: PLUMBANE, TETRACHLORO-, mixed with C₇-C₁₂ ALCOHOLS (9CI)

TOXICITY DATA with REFERENCE:

orl-mus LD50:3200 mg/kg GISAAA 51(1),76,86
 ipr-mus LD50:1450 mg/kg GISAAA 51(1),76,86

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

MRN250 CAS: 19395-58-5 HR: 3
MOQUIZONE

mf: C₂₀H₂₁N₃O₃ mw: 351.41

PROP: Crystals from isopropanol. Mp: 135–137°. Crystals from ethyl acetate or benzene, pet ether. Mp: 128–130°.

SYN: 2,3-DIHYDRO-1-(MORPHOLINOACETYL)-3-PHENYL-4(1H)-QUINAZOLINONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2220 mg/kg TXAPA9 16,571,70
 ivn-rat LD50:146 mg/kg TXAPA9 16,571,70
 orl-mus LD50:930 mg/kg JJPAAZ 22,235,72
 ipr-mus LD50:559 mg/kg TXAPA9 16,571,70
 scu-mus LD50:774 mg/kg TXAPA9 16,571,70
 ivn-mus LD50:237 mg/kg TXAPA9 16,571,70
 orl-rbt LD50:1730 mg/kg TXAPA9 16,571,70
 ivn-rbt LD50:180 mg/kg TXAPA9 16,571,70

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

MRN260 CAS: 26155-31-7 HR: D**MORANTEL TARTRATE**mf: $C_{12}H_{16}N_2S \cdot C_4H_6O_6$ mw: 370.46**SYNS:** BANMINTH II □ MORANTREL TARTRATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:926 mg/kg AUVJA2 46,297,70

orl-mus LD50:300 mg/kg AUVJA2 46,297,70

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.**MRN275 CAS: 25717-80-0 HR: 2****MORIAL**mf: $C_9H_{14}N_4O_4$ mw: 242.27**PROP:** Colorless crystals from toluene or white, crystalline powder; practically tasteless and odorless. Mp: 140–141°. Freely sol in $CHCl_3$; sol in dil HCl, ethanol, ethyl acetate, methanol; sparingly sol in water, acetone, benzene; very sltly sol in ether, pet ether.**SYNS:** N-CARBOXY-3-MORPHOLINOSYDNONIMINE ETHYL ESTER □ CORVASAL □ CORVATON □ N-(ETHOXYCARBONYL)-3-(4-MORPHOLINYL)SYDNONE IMINE □ MOLSIDOLAT □ MOLSIDOMINE □ MORSYDOMINE □ MOTAZOMIN □ SIN-10**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1050 mg/kg NIIRDN 6,858,82

ipr-rat LD50:1250 mg/kg MEIEDD 10,892,83

scu-rat LD50:1360 mg/kg MEIEDD 10,892,83

ivn-rat LD50:800 mg/kg MEIEDD 10,892,83

orl-mus LD50:830 mg/kg NIIRDN 6,858,82

SAFETY PROFILE: Moderately toxic by ingestion, intravenous, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x .**MRN500 CAS: 480-16-0 HR: 2****MORIN**mf: $C_{15}H_{10}O_7$ mw: 302.25**PROP:** Anhydrous needles from abs alc. Pale-yellow needles from AcOH (aq). Decomp @ 285–290°, mp: 303–304°. Crystallized with 1 or 2 moles of water. Sltly sol in water, ether, and acetic acid; very sol in alc.**SYNS:** A1-MORIN □ AURANTICA □ BOIS D'ARC (FRENCH) □ CALICO YELLOW □ C.I. 75660 □ C.I. NATURAL YELLOW 8 □ C.I. NATURAL YELLOW 11 □ 2'-HYDROXYPELARGIDENOLON 1522 □ MORIN □ OSAGE ORANGE □ OSAGE ORANGE CRYSTALS □ OSAGE ORANGE EXTRACT □ 2',3,4',5,7-PENTAHYDROXYFLAVONE □ 2',4',3,5,7-PENTAHYDROXY-FLAVONE □ 3,5,7,2',4'-PENTAHYDROXYFLAVONE □ 3,5,7,2',4'-PENTAHYDROXYFLAVONOL □ TOXYLON POMIFERUM □ ZLUT PRIRODNI 8 □ ZLUT PRIRODNI 11**TOXICITY DATA with REFERENCE:**

mmo-sat 250 µg/plate BCSTB5 5,148,77

mma-sat 166 nmol/plate MUREAV 54,297,78

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

ipr-mus LD50:555 mg/kg AIPTAK 123,395,60

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.**MRN550 CAS: 26162-66-3 HR: 3**
MORINGA OLEIFERA Lamk., extract excluding roots**PROP:** Indian plant belonging to the family Moringaceae (IJEBA6 18,594,80).**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:8 mg/kg IJEBA6 18,594,80

SAFETY PROFILE: Poison by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.**MRN600 CAS: 26162-66-3 HR: 3****MORISYLYTE CITRATE**mf: $C_{16}H_{25}NO_3 \cdot C_6H_8O_7$ mw: 471.56**SYNS:** CITRATE de ACETOXY-THYMOXY-ETHYL-DIMETHYLAMINE (FRENCH) □ 5-(2-(N,N-DIMETHYL-AMINO)ETHOXY)CARVACROL ACETATE CITRATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:950 mg/kg THERAP 26,775,71

scu-rat LD50:220 mg/kg THERAP 26,775,71

orl-mus LD50:550 mg/kg THERAP 26,775,71

scu-mus LD50:225 mg/kg THERAP 26,775,71

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x . See also ESTERS.**MRN625 CAS: 91315-88-7 HR: 1****MOROZOL 2****TOXICITY DATA with REFERENCE:**

orl-rat LD50:8200 mg/kg GTPZAB 28(7),53,84

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**MRN675 CAS: 469-81-8 HR: 3****MORPHERIDINE DIHYDROCHLORIDE**mf: $C_{20}H_{30}N_2O_3 \cdot 2ClH$ mw: 419.44**PROP:** A liquid. Bp: 188–192° @ 0.5 mm, d: 1.5276.**SYNS:** ETHYL 1-(2'-MORPHOLINOETHYL)-4-PHENYLPYPERIDINE-4-CARBOXYLATE DIHYDROCHLORIDE □ MORPHERIDINE □ MORPHOLINOETHYL NORPETHIDINE DIHYDROCHLORIDE □ 1-(2-MORPHOLINOETHYL)-4-PHENYLISONIPECOTIC ACID ETHYL ESTER DIHYDROCHLORIDE □ 1-((2-MORPHOLINYL)ETHYL)-4-PHENYL-4-PIPERIDINECARBOXYLIC ACID ETHYL ESTER DIHYDROCHLORIDE □ TA 1**TOXICITY DATA with REFERENCE:**

scu-rat LD50:70 mg/kg BJPCAL 11,27,56

ipr-mus LD50:118 mg/kg BJPCAL 11,27,56

ivn-mus LD50:45 mg/kg MEIEDD 10,898,83

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. Caution: May be habit forming. This is a controlled substance (opiate) listed in the U.S. Code of Federal Regulations, Title 21 Part 1308.11 (1985). When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.**MRN700 CAS: 1109-85-9 HR: 3**
MORPHINAN, 3-METHOXY-17-PHENETHYL-, TARTRATE, (-)-mf: $C_{25}H_{31}NO \cdot C_4H_6O_6$ mw: 511.67

TOXICITY DATA with REFERENCE:

scu-mus LD50:388 mg/kg 31ZPAG 2,83,66
 ivn-mus LD50:17 mg/kg 31ZPAG 2,83,66

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

MRO500 CAS: 57-27-2 HR: 3
(-)-MORPHINE

mf: C₁₇H₁₉NO₃ mw: 285.37

PROP: White, crystalline alkaloid. Short, orthorhombic, columnar prisms from anisole. Mp: 254–256° (decomp) (anhyd), subl @ 190–200°. Very sol in EtOAc, Me₂CO; sol in EtOH; spar sol in H₂O, Et₂O, and CHCl₃.

SYNS: MORFINA (ITALIAN) □ MORPHIA □ MORPHINA □ MORPHINE □ MORPHINISM □ MORPHINUM □ MORPHIUM □ 4a,5,7a,8-TETRAHYDRO-12-METHYL-9H-9,9c-IMINOETHANO-PHENANTHRO(4,5-bcd)FURAN-3,5-DIOL

TOXICITY DATA with REFERENCE:

dnd-hmn:lyms 5 nmol/L EMMUEG 23,37,94
 msc-hmn:lyms 50 nmol/L EMMUEG 23,37,94
 orl-man TDLo:3857 µg/kg/1W-I LANCAO 2,98,87
 orl-rat LD50:335 mg/kg DRFUD4 2,39,77
 ipr-rat LD50:160 mg/kg PHARAT 1,655,76
 scu-rat LD50:109 mg/kg PCJOAU 23,395,89
 ivn-rat LD50:140 mg/kg BJPCAL 7,196,52
 orl-mus LD50:524 mg/kg ARZNAD 24,600,74
 ipr-mus LD50:140 mg/kg NYKZAU 53,568,57
 scu-mus LD50:220 mg/kg ARZNAD 8,25,58
 ivn-mus LD50:135 mg/kg THERAP 7,21,52
 ice-mus LD50:6900 µg/kg SCIEAS 134,1078,61

SAFETY PROFILE: Poison experimentally by ingestion, intracerebral, intraperitoneal, subcutaneous, and intravenous routes. Human reproductive effects by an unspecified route: effects on newborn, including drug dependence. Experimental reproductive effects. Mutation data reported.

Morphine is the constituent of opium most responsible for its toxic effects. When taken orally, the effects of morphine poisoning begin to appear in 20–40 minutes; if taken hypodermically, the symptoms appear much earlier and narcotism is more likely to follow the early symptoms. Abuse leads to habituation or addiction. Individual susceptibility varies greatly and children are more susceptible than adults. When heated to decomposition it emits toxic fumes of NO_x.

MRO750 CAS: 52-26-6 HR: 3
MORPHINE HYDROCHLORIDE

mf: C₁₇H₁₉NO₃•ClH mw: 321.83

PROP: Trihydrate: White flakes or crystalline powder; bitter taste. Mp: approx 200° (decomp). Dissolves slowly in glycerin; insol in chloroform, ether.

SYNS: 7,8-DIDEHYDRO-4,5-α-EPOXY-17-METHYLMORPHIN-AN-3,6-α-DIOL HYDROCHLORIDE □ 7,8-DIDEHYDRO-4,5-α-EPOXY-17-METHYLMORPHINE HYDROCHLORIDE □ MORPHINE CHLORHYDRATE □ MORPHINE CHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:335 mg/kg AIPTAK 115,213,58
 scu-rat LD50:480 mg/kg AIPTAK 115,213,58
 ivn-rat LD50:265 mg/kg AIPTAK 115,213,58
 orl-mus LD50:745 mg/kg JJPAAZ 18,406,68

ipr-mus LD50:148 mg/kg BJPCBM 73,887,81
 scu-mus LD50:354 mg/kg KSRNAM 5,1787,71
 ivn-mus LD50:180 mg/kg ATSUDG 7,90,84
 par-mus LD50:440 mg/kg WKMAH 24(4),65,83
 ivn-dog LD50:175 mg/kg CPBTAL 7,372,59

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, intraperitoneal, intravenous, parenteral, and subcutaneous routes. An experimental teratogen. Experimental reproductive effects. Abuse leads to habituation or addiction. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also MORPHINE.

MRP000 CAS: 14075-02-6 HR: 3
MORPHINE METHOCHLORIDE

mf: C₁₈H₂₂NO₃•Cl mw: 335.86

SYNS: 7,8-DIDEHYDRO-4,5-α-EPOXY-17-METHYLMORPHIN-AN-3,6-α-DIOL □ N-METHYL MORPHINE CHLORIDE □ N-METHYLMORPHINIUM CHLORIDE □ MORPHINE METHYLCHLORIDE

TOXICITY DATA with REFERENCE:

scu-mus LDLo:271 mg/kg JPETAB 49,319,33
 ivn-mus LD50:32,700 µg/kg JPETAB 157,185,67
 scu-rbt LDLo:172 mg/kg JPETAB 49,319,33
 par-frg LDLo:2500 mg/kg JPETAB 49,319,33

SAFETY PROFILE: Poison by intravenous and subcutaneous routes. Moderately toxic by parenteral route. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻. See also MORPHINE.

MRP100 CAS: 6009-81-0 HR: D
MORPHINE MONOHYDRATE

mf: C₁₇H₁₉NO₃•H₂O mw: 303.39

SYN: MORPHINAN-3,6-DIOL, 7,8-DIDEHYDRO-4,5-EPOXY-17-METHYL- (5-α-6-α)-, MONOHYDRATE

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

MRP250 CAS: 64-31-3 HR: 3
MORPHINE SULFATE

mf: C₃₄H₃₈N₂O₆•H₂O₄S mw: 668.82

SYN: MORPHINE SULPHATE

TOXICITY DATA with REFERENCE:

mnt-mus-ipr 6400 mg/kg IJMQAQ 75,112,82
 orl-wmn TDLo:8 mg/kg LANCAO 1,573,87
 orl-man TDLo:12 mg/kg/4W-I DICPBB 22,397,88
 orl-rat LD50:461 mg/kg BJPCAL 30,11,67
 ipr-rat LD50:235 mg/kg APTOA6 22,241,65
 scu-rat LD50:108 mg/kg BJPCAL 10,260,55
 ivn-rat LD50:70 mg/kg TXAPA9 17,250,70
 ims-rat LD50:78 mg/kg AIPTAK 190,124,71
 orl-mus LD50:600 mg/kg JPETAB 133,400,61
 ipr-mus LD50:275 mg/kg JMCMA 10,627,67
 scu-mus LD50:180 mg/kg AUVJA2 49,525,73
 ivn-mus LD50:156 mg/kg JPETAB 157,185,67
 ivn-dog LD50:316 mg/kg AIPTAK 149,571,64
 par-frg LD50:678 mg/kg AIPTAK 79,282,49

SAFETY PROFILE: Poison by subcutaneous, intravenous, intraperitoneal, and intramuscular routes. Moderately toxic by ingestion and parenteral routes. An

experimental teratogen. Experimental reproductive effects. Mutation data reported. Used as a narcotic. Abuse leads to habituation or addiction. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also MORPHINE and SULFATES.

**MRP500 CAS: 67238-91-9 HR: D
MORPHOCYCLINE**

mf: C₂₇H₃₃N₃O₉ mw: 543.63

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x.

**MRP750 CAS: 110-91-8 HR: 3
MORPHOLINE**

DOT: UN 2054

mf: C₄H₉NO mw: 87.14



PROP: Colorless, hygroscopic oil; amine odor. Fp: -7.5°, bp: 128.9°, flash p: 100°F (OC), autoign temp: 590°F, vap press: 10 mm @ 23°, vap d: 3.00, mp: -4.9°, d: 1.007 @ 20°/4°. Volatile with steam; misc with water evolving some heat; misc with acetone, benzene, ether, castor oil, methanol, ethanol, ethylene, glycol, linseed oil, turpentine, pine oil. Immiscible with concentrated NaOH solns. IDLH 1400 ppm [10%LEL].

SYNS: DIETHYLENE IMIDE OXIDE □ DIETHYLENE IMIDOXIDE □ DIETHYLENE OXIMIDE □ DIETHYLENIMIDE OXIDE □ MORPHOLINE, AQUEOUS MIXTURE (DOT) □ 1-OXA-4-AZACYCLOHEXANE □ TETRAHYDRO-p-ISOXAZINE □ TETRAHYDRO-1,4-ISOXAZINE □ TETRAHYDRO-1,4-OXAZINE □ TETRAHYDRO-2H-1,4-OXAZINE

TOXICITY DATA with REFERENCE:

skn-rbt 995 mg/24H SEV BIOFX* 10-4/70
skn-rbt 500 mg open MOD UCDS** 4/21/67
eye-rbt 2 mg SEV AJOPAA 29,1363,46
otr-mus:lym 1 µL/L ENMUDM 4,390,82
orl-rat LD50:1050 mg/kg UCDS** 4/21/67
ihl-rat LC50:8000 ppm/8H NPIR* 1,85,74
orl-mus LD50:525 mg/kg BBIADT 44,795,85
ihl-mus LC50:1320 mg/m³/2H TPKVAL 8,60,66
ipr-mus LD50:413 mg/kg CANCAR 2,1055,49
skn-rbt LD50:500 mg/kg AMIHBC 10,61,54

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

OSHA PEL: TWA 20 ppm (skin); STEL 30 ppm (skin)

ACGIH TLV: TWA 20 ppm (skin); Not Classifiable as a Human Carcinogen

DFG MAK: 10 ppm (36 mg/m³)

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, skin contact, and intraperitoneal routes. Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. Can cause kidney damage. Questionable carcinogen with experimental neoplastigenic data. Flammable liquid. A very dangerous fire hazard when exposed to flame, heat, or oxidizers; can react with oxidizing materials. To fight fire, use alcohol foam, CO₂, dry chemical. Mixtures with nitromethane are explosive. May ignite spontaneously in contact with cellulose nitrate

of high surface area. When heated to decomposition it emits highly toxic fumes of NO_x.

**MRQ250 CAS: 4856-95-5 HR: 3
MORPHOLINE, compounded with BORANE
(1:1)**

mf: C₄H₉NO•BH₃ mw: 100.98

PROP: Crystals from H₂O. Mp: 82–85°.

SYNS: BORANE, compounded with MORPHOLINE □ MORPHOLINEBORANE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:475 mg/kg JPMSAE 19,1025,80

ivn-mus LD50:320 mg/kg CSLNX* NX#03238

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x. See also BORANES, BORON COMPOUNDS, and MORPHOLINE.

**MRQ300 CAS: 67306-03-0 HR: 2
MORPHOLINE, 4-(3-(4-(1,1-DIMETHYLETHYL)-
PHENYL)-2-METHYLPROPYL)-2,6-
DIMETHYL-**

mf: C₂₀H₃₃NO mw: 303.54

SYNS: BAS 421F □ BAS 42100F □ CORBEL □ 4-(3-(4-(1,1-DIMETHYLETHYL)PHENYL)-2-METHYLPROPYL)-2,6-DIMETHYLMORPHOLINE □ FENPROPIMORPH □ FORBEL 750 □ FUNBAS □ LAB 108 406 □ MILDOFIX □ MISTRAL □ MISTRAL T □ RO 14-3169/000

TOXICITY DATA with REFERENCE:

orl-rat LD50:3540 mg/kg DOVEAA 42(254),33,88

ihl-rat LC50:2900 mg/m³ 85JFAN A201,85

skn-rat LD50:4200 mg/kg PBCPCP -,541,79

orl-mus LD50:5890 mg/kg DOVEAA 42(254),33,88

ipr-mus LD50:1180 mg/kg PBCPCP -,541,79

orl-dck LD50:17,780 mg/kg DOVEAA 42(254),33,88

orl-brd LD50:39 g/kg DOVEAA 42(254),33,88

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, inhalation, and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NO_x.

**MRQ500 CAS: 622-40-2 HR: 2
MORPHOLINE ETHANOL**

mf: C₆H₁₃NO₂ mw: 131.20

PROP: Colorless liquid. Bp: 225.5°, mp: 1.6°, vap press: 0.1 mm @ 20°, flash p: 210°F (OC), vap d: 4.54, d: 1.07.

SYNS: N-β-HYDROXYETHYLMORPHOLINE □ N-(2-HYDROXYETHYL)MORPHOLINE □ β-OXYAETHYL-MORPHOLIN (GERMAN)

TOXICITY DATA with REFERENCE:

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

eye-rbt 20 mg SEV AJOPAA 29,1363,46

dns-rat:lv 5 g/L MUREAV 136,153,84

orl-rat LD50:5500 mg/kg JACTDZ 1,16,90

ipr-mus LD50:3600 mg/kg CANCAR 2,1055,49

scu-mus LD50:2650 mg/kg AIPTAK 109,108,57

par-mus LDLo:4800 mg/kg CBCCT* 7,691,55

skn-gpg LD50:2500 mg/kg JIHTAB 30,63,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact, subcutaneous, and intraperitoneal routes. Mildly toxic by ingestion and parenteral routes. Mutation data reported. 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.

MRQ525 CAS: 1854-23-5 HR: D
MORPHOLINE, 4,4'-(2-ETHYL-2-NITRO-1,3-PROPANEDIYL)BIS-

mf: C₁₃H₂₅H₃O₄ mw: 248.41

SYN: MORPHOLINE, 4,4'-(2-ETHYL-2-NITROTRIMETHYLENE)DI-

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

DFG MAK: 0.5 ppm

SAFETY PROFILE: A pesticide with unreported toxicity. When heated to decomposition it emits acrid smoke and irritating vapors.

MRQ600 CAS: 10024-89-2 HR: 2
MORPHOLINE HYDROCHLORIDE

mf: C₄H₉NO•ClH mw: 123.60

PROP: Crystals from HCl (aq). Mp: 175–176°.

TOXICITY DATA with REFERENCE:

orl-rat LD50:4580 mg/kg JIHTAB 23,259,41

ipr-mus LD50:1350 mg/kg JJPAAZ 17,475,67

scu-mus LD50:1640 mg/kg AIPTAK 112,36,57

ivn-mus LD50:900 mg/kg AIPTAK 112,36,57

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

MRQ750 CAS: 5299-64-9 HR: 3
4-MORPHOLINENONYLIC ACID

mf: C₁₃H₂₅NO₃ mw: 227.39

SYNS: AI 318284 □ N-MORPHOLINO NONANAMIDE □ 4-NONANOYLMORPHOLINE □ PELARGONIC MORPHOLIDE

TOXICITY DATA with REFERENCE:

eye-rbt 500 µg AIHAAP 23,194,62

ihl-hmn TCLo:21 mg/m³/3M:PUL,EYE,NOSE

AIHAAP 23,199,62

ihl-rat LD50:23 mg/kg AIHAAP 23,194,62

ihl-mus LD50:104 mg/kg AIHAAP 23,194,62

ivn-mus LD50:18 mg/kg CSLNX* NX#08842

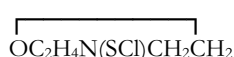
ivn-rbt LD50:21 mg/kg AIHAAP 23,194,62

ihl-gpg LD50:6 mg/kg AIHAAP 23,194,62

SAFETY PROFILE: Poison by inhalation and intravenous routes. Human systemic effects by inhalation: lachrymation, deviated nasal septum, and cough. An eye and intense mucous membrane irritant. When heated to decomposition it emits toxic fumes of NO_x.

MRR075 CAS: 2958-89-6 HR: 3
4-MORPHOLINE SULFENYL CHLORIDE

mf: C₄H₈ClNO₂ mw: 153.63



SAFETY PROFILE: An unstable explosive. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x. See also CHLORIDES.

MRR090 CAS: 729-46-4 HR: 2
4-MORPHOLINETHIOCARBONYL DISULFIDE

mf: C₁₀H₁₆N₂O₂S₄ mw: 324.52

SYNS: BIS(MORPHOLINOTHIOCARBONYL)DISULFIDE □ DIMORPHOLINETHIURAM DISULFIDE □ DISULFIDE, BIS(MORPHOLINOTHIOCARBONYL) □ 4,4'-(DITHIODICARBONOTHIOYL)BISMORPHOLINE □ MORPHOLINE, 4,4'-(DITHIODICARBONOTHIOYL)BIS-(9CI)

TOXICITY DATA with REFERENCE:

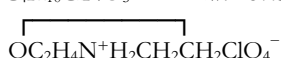
orl-mus LD50:3250 mg/kg AIPTAK 112,36,57

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.

MRR100 CAS: 35175-75-8 HR: 2
MORPHOLINIUM PERCHLORATE

mf: C₄H₁₀ClNO₅ mw: 187.58



SAFETY PROFILE: Decomposes exothermically at 230°C. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PERCHLORATES.

MRR112 CAS: 28846-41-5 HR: 3
9-(MORPHOLINOAMINO)ACRIDINE

mf: C₁₇H₁₇N₃O mw: 279.37

SYN: ACRIDINE, 9-(MORPHOLINOAMINO)-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:10 mg/kg USXXAM #3712943

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

MRR115 CAS: 28846-42-6 HR: 3
9-(MORPHOLINOAMINO)ACRIDINE
MONO(METHYL SULFATE)

mf: C₁₇H₁₇N₃O•CH₄O₄S mw: 391.48

SYN: ACRIDINE, 9-(MORPHOLINOAMINO)-, MONO(METHYL SULFATE)

TOXICITY DATA with REFERENCE:

orl-rat LDLo:20 mg/kg USXXAM #3712943

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

MRR125 CAS: 102071-88-5 HR: 3
N-MORPHOLINO-β-(2-AMINOMETHYLBENZO-DIOXAN)-PROPIONAMIDE

mf: C₁₆H₂₂N₂O₄ mw: 306.40

SYNS: 3-(((1,4-BENZODIOXAN-2-YL)METHYL)AMINO)-1-MORPHOLINO-1-PROPANONE □ 1530 I.S.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:400 mg/kg AIPTAK 105,317,56

ivn-mus LD50:80 mg/kg AIPTAK 105,317,56

ivn-rbt LD50:70 mg/kg AIPTAK 105,317,56

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

MRR750 CAS: 15029-32-0 HR: 3
MORPHOLINOCARBONYLACETONITRILE

mf: $\text{C}_7\text{H}_{10}\text{N}_2\text{O}_2$ mw: 154.19

SYNS: 1-(CYANOACETYL)MORPHOLINE □ 4-CYANOACETYLMORPHOLINE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04762

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

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

MRR760 CAS: 7157-29-1 HR: 3
4-MORPHOLINOCARBONYL-2,3-TETRAMETHYLENEQUINOLINE

mf: $\text{C}_{18}\text{H}_{20}\text{N}_2\text{O}_2$ mw: 296.40

SYNS: ACRIDINE, 9-(MORPHOLINOCARBONYL)-1,2,3,4-TETRAHYDRO- □ ACRIDINE, 1,2,3,4-TETRAHYDRO-9-(MORPHOLINOCARBONYL)- □ KETONE, MORPHOLINO(1,2,3,4-TETRAHYDRO-9-ACRIDINYL)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg JMCAR 9,483,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

MRR775 CAS: 72122-60-2 HR: 2
MORPHOLINO-CNU

mf: $\text{C}_7\text{H}_{14}\text{ClN}_4\text{O}_3$ mw: 237.70

SYN: 1-(2-CHLOROETHYL)-3-MORPHOLINO-1-NITROSOUREA

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of Cl^- and NO_x . See also N-NITROSO COMPOUNDS.

MRR850 CAS: 79867-78-0 HR: 2
MORPHOLINODAUNOMYCIN

mf: $\text{C}_{31}\text{H}_{35}\text{NO}_{11}$ mw: 597.67

SYN: 5,12-NAPHTHACENEDIONE, 7,8,9,10-TETRAHYDRO-8-ACETYL-1-METHOXY-10-((2,3,6-TRIDEOXY-3-(4-MORPHOLINYL)- α -L-lyxo-HEXOPYRANOSYL)OXY)-6,8,11-TRIHYDROXY-, (8S-cis)-

TOXICITY DATA with REFERENCE:

dns-rat:lv 2 mg/L CNREA8 44,5599,84

otr-mus:fbr 5 $\mu\text{g}/\text{L}$ CBTOE2 3,17,87

msc-ham:lng 10 $\mu\text{g}/\text{L}$ CNREA8 44,5599,84

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

MRR900 CAS: 76549-16-1 HR: 2
14-MORPHOLINODAUNORUBICIN

mf: $\text{C}_{31}\text{H}_{36}\text{N}_2\text{O}_{11}$ mw: 612.69

SYNS: MORPHOLINODAUNOMYCIN □ 5,12-NAPHTHACENEDIONE, 7,8,9,10-TETRAHYDRO-10-((3-AMINO-2,3,6-TRIDEOXY- α -L-lyxo-HEXOPYRANOSYL)OXY)-1-METHOXY-8-(4-MORPHOLINYLACETYL)-6,8,11-TRIHYDROXY-, (8S-CIS)-

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

MRT100 CAS: 80790-68-7 HR: 3
3'-MORPHOLINO-3'-DEAMINODAUNORUBICIN

mf: $\text{C}_{31}\text{H}_{38}\text{NO}_{12}$ mw: 616.70

SYNS: 3'-DEAMINO-3'-MORPHOLINO-ADRIAMYCIN □ 3'-DEAMINO-3'-(4-MORPHOLINYL)DAUNORUBICIN □ 5,12-NAPHTHACENEDIONE, 7,8,9,10-TETRAHYDRO-8-(HYDROXY-ACETYL)-1-METHOXY-10-((2,3,6-TRIDEOXY-MORPHOLINO- α -L-lyxo-HEXOPYRANOSYL)OXY)-6,8,11-TRIHYDROXY-

TOXICITY DATA with REFERENCE:

dni-hmn:oth 50 nmol/L CNREA8 43,1044,83

oth-hmn:oth 50 nmol/L CNREA8 43,1044,83

dnd-uns:lyms 2500 nmol/L CNREA8 43,1044,83

orl-mus LD50:500 $\mu\text{g}/\text{kg}$ JANTAJ 35,117,82

ipr-mus LD50:250 $\mu\text{g}/\text{kg}$ JANTAJ 35,117,82

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

MRT150 CAS: 4432-31-9 HR: 1
2-MORPHOLINOETHANESULFONIC ACID

mf: $\text{C}_6\text{H}_{13}\text{NO}_4\text{S}$ mw: 195.26

SYNS: MES (buffering agent) □ MORPHOLINOETHANE-SULFONIC ACID □ 4-MORPHOLINEETHANESULFONIC ACID

TOXICITY DATA with REFERENCE:

orl-qal LD50:>316 mg/kg EESADV 6,149,1982

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MRT200 CAS: 20308-90-1 HR: D
9-((2-MORPHOLINOETHYL)AMINO)ACRIDINE

mf: $\text{C}_{19}\text{H}_{21}\text{N}_3\text{O}$ mw: 307.43

SYN: ACRIDINE, 9-((2-MORPHOLINOETHYL)AMINO)-

TOXICITY DATA with REFERENCE:

mic-sat 50 $\mu\text{L}/\text{well}$ MUREAV 116,289,1983

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

MRT250 CAS: 77791-41-4 HR: 2
2-(MORPHOLINO)-N-METHYL-N-(2-MESITYLOXYETHYL)ACETAMIDE HYDROCHLORIDE

mf: $\text{C}_{18}\text{H}_{28}\text{N}_2\text{O}_3 \cdot \text{ClH}$ mw: 356.94

SYNS: C 2085 □ N-(2-MESITYLOXYETHYL)-N-METHYL-2-(MORPHOLINE)ACETAMIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

eye-rbt 2% MOD ARZNAD 8,761,58

scu-mus LD50:655 mg/kg ARZNAD 8,761,58

SAFETY PROFILE: Moderately toxic by subcutaneous route. An eye irritant. When heated to decomposition it emits very toxic fumes of HCl and NO_x .

MRU000 CAS: 58139-48-3 HR: 2
4-MORPHOLINO-2-(5-NITRO-2-THIENYL)-
QUINAZOLINEmf: C₁₆H₁₄N₄O₃S mw: 342.40**TOXICITY DATA with REFERENCE:**

mmo-sat 1250 µg/plate CNREA8 35,3611,75

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**MRU050 CAS: 55285-05-7 HR: 3**
N-(MORPHOLINOSULFENYL)CARBOFURANmf: C₁₆H₂₂N₂O₄S mw: 338.46**SYNS:** FMC 31768 □ CARBAMIC ACID, N-METHYL-N-(MORPHOLINOTHIO)-, 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER □ N-METHYL-N-(MORPHOLINO-THIO)CARBAMIC ACID 2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYL ESTER**TOXICITY DATA with REFERENCE:**

orl-mus LD50:10 mg/kg JAFCAU 27,261,79

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of SO_x, NO_x, and Cl⁻.**MRU075 CAS: 16142-27-1 HR: 3**
3-MORPHOLINOSYDNONE IMINE
HYDROCHLORIDEmf: C₆H₁₀N₄O₂•ClH mw: 206.66**PROP:** Crystals from EtOH. Mp: 190–191° (decomp).**TOXICITY DATA with REFERENCE:**

orl-mus LD50:480 mg/kg OYYAA2 2,280,68

ipr-mus LD50:315 mg/kg OYYAA2 2,280,68

ivn-mus LD50:260 mg/kg OYYAA2 2,280,68

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and HCl.**MRU076 CAS: 33876-97-0 HR: D**
3-MORPHOLINOSYDNONIMINEmf: C₆H₁₀N₄O₂ mw: 170.17**SYNS:** 1,2,3-OXADIAZOLIUM, 5-AMINO-3-(4-MORPHOLINYL)-, INNER SALT □ SIN-1**TOXICITY DATA with REFERENCE:**

slt-esc 1500 µLg/plate/1H MUREAV 497,159,2001

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MRU077 CAS: 7101-65-7 HR: 3**
MORPHOLINO(7,8,9,10-TETRAHYDRO-11-(6H-CYCLOHEPTA(b)QUINOLINYL)) KETONEmf: C₁₉H₂₂N₂O₂ mw: 310.43**SYN:** 6H-CYCLOHEPTA(b)QUINOLINE, 7,8,9,10-TETRAHYDRO-11-(MORPHOLINOCARBONYL)-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:250 mg/kg JMCAR 9,483,66

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**MRU080 CAS: 10329-95-0 HR: 2**
MORPHOLINO-THALIDOMIDEmf: C₁₈H₁₉N₃O₅ mw: 357.40**SYNS:** CG 601 □ E-298 □ 1-METHYL-MORPHOLINO-3-PHTHALIMIDO-GLUTARIMIDE □ N-(1-(MORPHOLINO-METHYL)-2,6-DIOXO-3-PIPERIDYL)PHTHALIMIDE □ 1-MORPHOLINOMETHYLTHALIDOMIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:1300 mg/kg AIPTAK 194,39,71

orl-mus LD50:3000 mg/kg AIPTAK 194,39,71

ipr-mus LD50:840 mg/kg AIPTAK 194,39,71

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO_x.**MRU090 CAS: 22817-49-8 HR: D**
5-(4-MORPHOLINYL)NAPHTHO(2,3-H)QUINOLINE-7,12-DIONEmf: C₂₁H₁₆N₂O₃ mw: 344.39**SYNS:** AQ 227 □ 5-(4-MORPHOLINYL)NAPHTHO(2,3H)-QUINOLINE-7,12-DIONE □ NAPHTHO(2,3-H)QUINOLINE-7,12-DIONE, 5-MORPHOLINO-**TOXICITY DATA with REFERENCE:**

add-unr-lym 50 µmol/L RCOCB8 47,73,1985

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**MRU100 HR: 3**
4-(2-MORPHOLINYL)PYROCATECHOLmf: C₁₀H₁₃NO₃ mw: 195.24**SYN:** 2-(3,4-DIOXYPHENYL)TETRAHYDRO-1,4-OXAZIN (GERMAN)**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:1600 mg/kg AEPPAE 222,540,54

scu-mus LD50:65 mg/kg AEPPAE 222,540,54

ivn-mus LD50:13 mg/kg AEPPAE 226,493,55

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**MRU250 CAS: 144-41-2 HR: 3**
MORPHOTHIONmf: C₈H₁₆NO₄PS₂ mw: 285.34**PROP:** Colorless solid. Mp: 65°. Sol in acetone, dioxane, acetonitrile.**SYNS:** O,O-DIMETHYL-S-((MORFOLINO-CARBONYL)-METHYL)-DITHIOFOSFAAT (DUTCH) □ O,O-DIMETHYL-S-(MORPHOLINOCARBAMOYLMETHYL) DITHIOPHOSPHATE □ O,O-DIMETHYL-S-((MORPHOLINO-CARBONYL)-METHYL)-DITHIOPHOSPHAT (GERMAN) □ O,O-DIMETHYL MORPHOLINOCARBONYLMETHYL PHOSPHORODITHIOATE □ O,O-DIMETHYL-S-(MORPHOLINOCARBONYLMETHYL) PHOSPHORODITHIOATE □ DIMETHYL S-(MORPHOLINOCARBONYLMETHYL) PHOSPHOROTHIOLOTHIONATE □ O,O-DIMETIL-S-((MORFOLINO-CARBONIL)-METIL)-DITIO-FOS-FATO (ITALIAN) □ DITHIOPHOSPHATE de O,O-DIMETHYL-LE et de S-((MORPHOLINOCARBONYLE)-METHYLE) (FRENCH) □ 4-(MERCAPTOACETYL)MORPHOLINE O,O-DIMETHYL PHOSPHORODITHIOATE □ MORFOTHION (DUTCH) □ PHOSPHORODITHIOIC ACID, O,O-DIMETHYL S-(MORPHOLINOCARBONYLMETHYL) ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:190 mg/kg 28ZEAL 5,159,76

skn-rat LD50:283 mg/kg WRPCA 2,119,70
 orl-mus LD50:130 mg/kg BESAAT 12,161,66
 orl-rbt LD50:190 mg/kg BESAAT 12,161,66

SAFETY PROFILE: Poison by ingestion and skin contact. A cholinesterase inhibitor. When heated to decomposition it emits very toxic fumes of PO_x , SO_x , and NO_x . See also PARATHION.

MRU253 CAS: 112885-41-3 HR: 3
MOSAPRIDE

mf: $\text{C}_{21}\text{H}_{25}\text{ClFN}_3\text{O}_3$ mw: 421.90

SYN: BENZAMIDE, 4-AMINO-5-CHLORO-2-ETHOXY-N-((4-(4-FLUOROPHENYL)METHYL)-2-MORPHOLINYL)MET HYL)-

TOXICITY DATA with REFERENCE:

orl-rat TDLo:10 mg/kg EJPHAZ 434,169,2002

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

MRU255 HR: 3
MOSE

mf: $\text{C}_{12}\text{H}_{24}\text{N}_2\text{O}_2\text{Se} \cdot 2\text{ClH}$ mw: 380.26

SYNS: BIS(β -(N,N-DIMORPHOLINO)ETHYL)SELENIDE DIHYDROCHLORIDE □ 4,4'-(SELENODI-2,1-ETHANEDIYL)BISMORPHOLINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:400 mg/kg DCTODJ 7,41,84

ipr-mus LD50:1250 mg/kg DCTODJ 7,41,84

ivn-rbt LD50:80 mg/kg DCTODJ 7,41,84

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

OSHA PEL: TWA 0.2 mg(Se)/ m^3

ACGIH TLV: TWA 0.2 mg(Se)/ m^3

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x , HCl, and Se. See also SELENIUM COMPOUNDS.

MRU300 CAS: 116-66-5 HR: 1
MOSKENE

mf: $\text{C}_{14}\text{H}_{18}\text{N}_2\text{O}_4$ mw: 278.34

SYNS: INDAN, 4,6-DINITRO-1,1,3,3,5-PENTAMETHYL- □ 1,1,3,3,5-PENTAMETHYL-4,6-DINITROINDANE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,885,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A skin irritant. When heated to decomposition it emits toxic vapors of NO_x .

MRU359 HR: 3
MOUNTAIN LAUREL

PROP: Evergreen shrubs with thick leaves and white, pink, or purple flowers. The various species grow along the Pacific coast from Alaska to California and in the region bounded by Nova Scotia, Georgia, and Michigan.

SYNS: AMERICAN LAUREL □ BIG LEAF IVY □ CALF KILL □ CALICO BUSH □ DWARF LAUREL □ IVY BUSH □ KALMIA ANGUSTIFOLIA □ KALMIA LATIFOLIA □ KALMIA MICROPHYLLA □ KID KILL □ LAMB KILL □ SHEEP LAUREL □ SPOONWOOD IVY □ WICKY □ WOOD LAUREL

SAFETY PROFILE: The leaves and nectar contain poisonous grayanotoxins (andromedotoxins). Ingestion of these plant parts results in immediate pain in the mouth and may be followed several hours later by vomiting, diarrhea, headache, impaired vision, irregular heartbeat, severe low blood pressure, coma, convulsions, and death.

MRU600 CAS: 34816-55-2 HR: 2
MOXESTROL

mf: $\text{C}_{21}\text{H}_{26}\text{O}_3$ mw: 326.47

PROP: Crystals. Mp: 280°.

SYNS: 11- β -METHOXY-19-NOR-17- α -PREGNA-1,3,5(10)-TRIEN-20-YNE-3,17-DIOL □ R 2858 □ RU 2858 □ SURESTRYL

TOXICITY DATA with REFERENCE:

scu-rat TDLo:50 $\mu\text{g}/\text{kg}$ (16-20D preg):REP JRPFA4 59,43,80

scu-rat TDLo:50 $\mu\text{g}/\text{kg}$ (16-20D preg):TER JRPFA4 59,43,80

imp-ham TDLo:400 mg/kg/39W-C:CAR CNREA8 47,2583,87

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. Questionable carcinogen with experimental carcinogenic data. A steroid. When heated to decomposition it emits acrid smoke and irritating fumes.

MRU750 CAS: 52279-59-1 HR: 2
MOXNIDAZOLE

mf: $\text{C}_{13}\text{H}_{18}\text{N}_6\text{O}_5 \cdot \text{ClH}$ mw: 374.83

SYN: 3-(5-NITRO-1-METHYL-2-IMIDAZOLYL)-METHYLENE-AMINO-5-MORPHOLINO-METHYL-2-OXAZOLIDONE HCl

TOXICITY DATA with REFERENCE:

mno-esc 28 $\mu\text{mol}/\text{L}$ JEPTDQ 2(3),657,79

sln-dmg-ori 10 mmol/L JEPTDQ 2(3),657,79

slt-mus-ori 3 g/kg EXPEAM 34,500,78

ori-mus LD50:3500 mg/kg ARZNAD 28,1665,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x and HCl.

MRU752 CAS: 129217-90-9 HR: 2
MP-2000

TOXICITY DATA with REFERENCE:

ori-rat LD50:>5 g/kg EPASR* 8EHQ-1190-1069

skn-rat LD50:>2 g/kg EPASR* 8EHQ-1190-1069

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

MRU755 HR: 2
MS-ANTIGEN 40

TOXICITY DATA with REFERENCE:

ori-rat LD50:6504 mg/kg NIIRDN 6,125,82

ipr-rat LD50:1643 mg/kg NIIRDN 6,125,82

scu-rat LD50:4044 mg/kg NIIRDN 6,125,82

ori-mus LD50:5643 mg/kg NIIRDN 6,125,82

ipr-mus LD50:2342 mg/kg NIIRDN 6,125,82

scu-mus LD50:2018 mg/kg NIIRDN 6,125,82

ivn-mus LD50:841 mg/kg NIIRDN 6,125,82

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

MRU756 CAS: 39403-67-3 HR: 3
MSDA-11

SYN: MCDA-11

TOXICITY DATA with REFERENCE:

orl-rat LD50:940 mg/kg GISA 35(4),109,70

ihl-rat LC50:1480 mg/m³/4H 85GMAT -,50,82

skn-rat LD50:1367 mg/kg 85GMAT -,50,82

orl-mus LD50:320 mg/kg GTPZAB 29(11),51,85

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

MRU757 CAS: 57314-55-3 HR: 3
MT-45

mf: C₂₄H₃₂N₂•2ClH mw: 421.50

SYN: (±)-1-CYCLOHEXYL-4-(1,2-DIPHENYLETHYL)PIPERAZINE DIHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:150 mg/kg DRFUD4 2,39,77

scu-rat LD50:136 mg/kg DRFUD4 2,39,77

ivn-rat LD50:7800 µg/kg DRFUD4 2,39,77

orl-mus LD50:329 mg/kg DRFUD4 2,39,77

ipr-mus LD50:58,400 µg/kg DRFUD4 2,39,77

scu-mus LD50:743 mg/kg DRFUD4 2,39,77

ivn-mus LD50:17,800 µg/kg DRFUD4 2,39,77

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

MRU760 CAS: 41208-07-5 HR: 2
MTDQ

mf: C₂₅H₃₀N₂ mw: 358.57

PROP: Crystals from heptane. Mp: 83–86°.

SYNS: 6,6'-METHYLENEBIS(1,2-DIHYDRO-2,2,4-TRIMETHYLQUINOLINE) □ NSC-217697

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg NEOLA4 24,253,77

orl-mus LD50:6250 mg/kg NCISP* JAN86

ipr-mus LD50:1433 mg/kg NCISP* JAN86

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

MRU775 CAS: 34521-15-8 HR: 3
MTEAI

mf: C₁₀H₂₄N₃S•Br•BrH mw: 379.26

SYNS: 2-((IMINO(METHYLAMINO)METHYL)THIO)ETHYL)TRIETHYLAMMONIUM BROMIDE HYDROBROMIDE □ S-(2-TRIETHYLAMINOETHYL)-1'-METHYLISOTHIOURON BROMIDE HYDROBROMIDE □ N,N,N-TRIETHYL-2-((IMINO(METHYLAMINO)METHYL)THIO)ETHANAMINIUM BROMIDE, MONOHYDROBROMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:148 mg/kg CPBTAL 23,1639,75

scu-mus LD50:172 mg/kg CPBTAL 23,1639,75

ivn-mus LD50:99,300 µg/kg CPBTAL 23,1639,75

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of SO₂, NO_x, NH₃, and Br⁻.

MRU900 CAS: 87-56-9 HR: 3
MUCOCHLORIC ACID

mf: C₄H₂Cl₂O₃ mw: 168.96

PROP: Plates from H₂O. Mp: 127°.

SYNS: ALDEHYDODICHLOROMALEIC ACID □ 2-BUTENOIC ACID, 2,3-DICHLORO-4-OXO-, (Z)-(9CI) □ α-β-DICHLORO-β-FORMYL ACRYLIC ACID □ 3,4-DICHLORO-2-HYDROXYCROTONOLACTONE □ 3,4-DICHLORO-2-HYDROXYCROTONOLACTONIC ACID □ DICHLOROMALEALDEHYDIC ACID □ 2,3-DICHLOROMALEIC ALDEHYDE ACID □ 2,3-DICHLORO-4-OXO-2-BUTENOIC ACID □ KYSELINA MUKOCHLOROVA □ MALEALDEHYDIC ACID, DICHLORO-4-OXO-, (Z)-(9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,558,86

eye-rbt 50 µg/24H SEV 85JCAE -,558,86

mno-sat 100 ng/plate BECTA6 24,590,80

orl-mus TDLo:6100 mg/kg/78W-I:ETA NTIS** PB223-159

orl-mus LD50:84 mg/kg 85GMAT -,46,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion. Moderate skin and severe eye irritant. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻.

MRV000 CAS: 4412-09-3 HR: 2
MUCOCHLORIC ANHYDRIDE

mf: C₈H₂Cl₄O₅ mw: 319.90

PROP: α Isomer: mp: 141–143°; β isomer: mp: 180°.

Insol in water; sol in many org solvs, as acetone, xylene, cyclohexanone, methylnapthalenes. Monoclinic prisms; sltly sol in cold water; sol in hot water, hot benzene and alc.

SYNS: BIS(3,4-DICHLOROFURANON-5-YL-2) ETHER □ BIS(3,4-DICHLORO-2(5)-FURANONYL) ETHER □ GC-2466 □ 5,5'-OXYBIS(3,4-DICHLORO-2(5H))-FURANONE □ 4,4'-OXYBIS(2,3-DICHLORO-4-HYDROXYCROTONIC ACID)-DI-γ-LACTONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg FMCHA2 -,D211,80

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

MRV250 CAS: 992-21-2 HR: 3
MUCOMYCIN

mf: C₂₉H₃₃N₄O₁₀ mw: 597.66

PROP: Light-yellow powder. Mp: 190–195°.

SYNS: N²-((+)-5-AMINO-5-CARBOXPENTYLAMINO)METHYL)TETRACYCLINE □ ARMYL □ LYMECYCLINE □ N-LYSINOMETHYLTETRACYCLINE □ TETRACICLINA-I-METILENLISINA (ITALIAN) □ TETRACYCLINE-I-METHYLENE LYSINE □ TETRALISAL □ TETRALYSAL

TOXICITY DATA with REFERENCE:

ivn-mus LD50:181 mg/kg KPJBAR 2,333,70

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

MRV500 CAS: 3148-09-2 HR: 3
MUCONOMYCIN A

mf: C₂₇H₃₄O₉ mw: 502.61

PROP: Crystals or plates from acetone + H₂O. Decompose above 240°. Derived from cultures of *Myrothecium verrucaria* (ARZNAD 15,893,65).

SYNS: VER A □ VERRUCARIN A

TOXICITY DATA with REFERENCE:

skn-gpg 402 ng MLD FAATDF 4(2, Pt 2)S124,84

dni-mus:lym 1 nmol/L PLMEAA 34,231,78

ivn-rat LD50:870 µg/kg ARZNAD 15,893,65

ipr-mus LD50:500 µg/kg TXAPA9 15,262,69

ivn-mus LD50:1500 µg/kg ARZNAD 15,893,65

ivn-rbt LD50:540 µg/kg ARZNAD 15,893,65

SAFETY PROFILE: A poison by intravenous and intraperitoneal routes. Mutation data reported. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

MRV525 HR: 2
MUCOPOLYSACCHARIDE, POLYSULFURIC ACID ESTER

SYN: MUCOPOLYSACCHARIDIPOLY SCHWEFEL-SAEUREESTER (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:2400 mg/kg KSRNAM 9,241,75

scu-rat LD50:1550 mg/kg KSRNAM 9,241,75

ivn-rat LD50:3260 mg/kg KSRNAM 9,241,75

scu-mus LD50:4500 mg/kg KSRNAM 9,241,75

ivn-mus LD50:3480 mg/kg KSRNAM 9,241,75

scu-dog LDLo:500 mg/kg KSRNAM 9,241,75

ivn-rbt LD50:4020 mg/kg KSRNAM 16,511,82

scu-rbt LD50:2020 mg/kg KSRNAM 16,511,82

SAFETY PROFILE: Moderately toxic by intraperitoneal, subcutaneous, and intravenous routes. An experimental teratogen. Experimental reproductive effects. See also ESTERS. When heated to decomposition it emits toxic fumes of SO_x.

MRV600 HR: 3
MUCUNA MONOSPERMA DC. ex Wight (extract excluding roots)

PROP: Indian plant belonging to the family Leguminosae IJEB A6 18,594,80.

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg IJEB A6 18,594,80

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

MRV750 CAS: 36069-45-1 HR: 2
MULDAMINE

mf: C₂₉H₄₈NO₃ mw: 458.78

PROP: A solid. Mp: 210–211°.

TOXICITY DATA with REFERENCE:

orl-ham LDLo:600 mg/kg JAFCAU 26,561,78

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

MRW000 CAS: 58-34-4 HR: 3
MULTERGAN METHYL SULFATE

mf: C₁₈H₂₃N₂S•CH₃O₄S mw: 410.59

PROP: A solid. Mp: 206–210° (decomp).

SYNS: METHYLPHENAZONIUM METHOSULFATE □

MULTERGAN □ MULTEZIN □ PADISAL □ N-(β-(10-PHENOTHIAZINYL)PROPYL)TRIMETHYLAMMONIUM METHYL

SULFATE □ PMS □ PROTHAZIN METHOSULFATE □ RP 3554 □

N,N,N-α-TETRAMETHYL-10H-PHENOTHIAZINE-10-ETHAN-

AMINIUM METHYL SULFATE □ THIAZINAMIUM METHYL

SULFATE □ TRIMETHYL (1-METHYL-2-PHENOTHIAZIN-10-

YLETHYL)AMMONIUM METHYL SULFATE □ TRIMETHYL(1-

METHYL-2-(10-PHENOTHIAZINYL)ETHYL)AMMONIUM

METHYL SULFATE □ VALAN

TOXICITY DATA with REFERENCE:

orl-mus LD50:375 mg/kg MEIEDD 10,1333,83

ipr-mus LDLo:61 mg/kg CLDND*

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An antihistamine and anticholinergic agent. When heated to decomposition it emits very toxic fumes of SO_x, NH₃, and NO_x.

MRW080 CAS: 74139-77-8 HR: 1
MULTICIDE 2167

mf: C₂₃H₂₆O₃•C₁₉H₂₅NO₄ mw: 681.94

SYNS: CYCLOPROPANECARBOXYLIC ACID, 2,2-DIMETHYL-3-(2-METHYL-1-PROPENYL)-, (1,3,4,5,6,7-HEXAHYDRO-1,3-DIOXO-2H-ISOINDOL-2-YL)METHYL ESTER, MIXT. WITH (3-PHENOXYPHENYL)METHYL 2,2-DIMETHYL-3-(2-METHYL-1-PROPENYL)CYCLOPROPANECARBOXYLATE □ PYRETHROL P

TOXICITY DATA with REFERENCE:

ihl-rat LC :>450 g/kg/90M GISAAA 49(4),90,94

SAFETY PROFILE: Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of NO_x.

MRW100 CAS: 116397-83-2 HR: 1
MUROTOX

mf: C₁₅H₁₆O•C₄H₁₀O₅•B₄Na₂O₇•10H₂O mw: 381.40

SYNS: 4-(1-METHYL-1-PHENYLETHYL)PHENOL MIXT. WITH BORAX AND 2,2'-OXYBIS(ETHANOL) □ PHENOL, 4-(1-METHYL-1-PHENYLETHYL)-, MIXT. WITH BORAX AND 2,2'-OXYBIS(ETHANOL)

TOXICITY DATA with REFERENCE:

orl-rat LD50:5800 mg/kg BCTKAG 20,258,1987

ihl-rat LC :>10 g/m³/4H BCTKAG 21,27,1988

skn-rat LD :>15 g/kg BCTKAG 20,262,1987

SAFETY PROFILE: Low toxicity by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic vapors of B.

MRW125 CAS: 3644-61-9 HR: 3
MUSCALM

mf: C₁₆H₂₃NO•ClH mw: 281.86

SYNS: 2,4'-DIMETHYL-3-PIPERIDINOPROPIOPHENONE

HYDROCHLORIDE □ 2-METHYL-3-PIPERIDINO-1-p-

TOLYLPROPAN-1-ONE HYDROCHLORIDE □ MYDOCALM □

N-553 □ 1-PIPERIDINO-2-METHYL-3-(p-TOLYL)-3-PROPANONE

HYDROCHLORIDE □ TOLPERISONE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1450 mg/kg NIIRDN 6,531,82
 ipr-rat LD50:170 mg/kg NIIRDN 6,531,82
 scu-rat LD50:645 mg/kg NIIRDN 6,531,82
 ivn-dog LD50:45 mg/kg OYYAA2 9,809,75
 ivn-cat LD50:40 mg/kg OYYAA2 9,809,75

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.

MRW250 CAS: 300-54-9 HR: 3
MUSCARINE

mf: C₉H₂₀NO₂ mw: 174.30

SYNS: MUSCARIN □ di-MUSCARINE □ MUSK □ MUSKARIN □ TRIMETHYL-(TETRAHYDRO-4-HYDROXY-5-METHYLFURFURYL)AMMONIUM

TOXICITY DATA with REFERENCE:

unr-man LDLo:735 µg/kg 85DCAI 2,73,70
 orl-mus LDLo:750 mg/kg 27ZIAQ -,167,73
 ipr-mus LD50:5 mg/kg AIPTAK 192,88,71
 ivn-mus LD50:230 µg/kg TOLED5 1000 (Sp 1),42,80
 orl-cat LDLo:7 mg/kg HBAMAK 4,1289,35
 scu-cat LDLo:10 mg/kg AEXPBL 61,283,09
 ivn-cat LDLo:1100 µg/kg SCIEAS 144,1100,64
 orl-rbt LDLo:200 mg/kg AEXPBL 61,283,09
 scu-rbt LDLo:27 mg/kg AEXPBL 61,283,09

SAFETY PROFILE: Human poison by an unspecified route. Experimental poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x and NH₃.

MRW269 HR: D
MUSHROOMS

SAFETY PROFILE: Variable toxicity. Symptoms developing within 2 hours of ingestion are seldom dangerous. Symptoms which develop longer than 6 hours after ingestion tend to be more severe and possibly life threatening.

Amanita phalloides and its relatives cause most of the fatalities due to mushroom poisoning. They contain amatoxins, cyclic octapeptides which inhibit the liver enzyme RNA polymerase II and thus cause liver failure. First symptoms appear 12 hours after ingestion and include persistent nausea, vomiting, intestinal pain, and profuse watery diarrhea. A latent period of up to 5 days follows and is then succeeded by signs of liver failure. Even with intensive care, the fatality rate is 10-15%.

Ingestion of some species of the genus *Cortinarius* is followed within 3-17 days by polydipsia, polyuria and then kidney failure, fatty degeneration of the liver and severe inflammation of the intestine.

Gyromitra esculenta contains gyromitrin and related hydrazones which are hydrolyzed to the toxic monomethylhydrazine. This is a volatile and water-soluble material, and the mushrooms may be detoxified by boiling in water or air drying. Ingestion of the mushrooms or breathing the vapor from cooking can cause very sudden emesis which usually recedes in 2-6 days, although deaths have occurred.

Mushrooms of the genera *Clitocybe* and *Inocybe* produce the parasympathetic nervous system stimulant muscarine

which causes sweating, abdominal pain, emesis, blurred vision and other parasympathetic responses. Symptoms usually recede after 2 hours.

Mushrooms of the genera *Psilocybe*, *Panaeolus*, *Copelandia*, *Gymnopilus*, *Conocybe* and *Pluteus* contain the toxic psilocybin which has central nervous system effects including hallucinations and hyperthermia. Symptoms usually recede within 2 hours. Children ingesting large amounts may experience tonic-clonic convulsions, coma and death. Symptoms lasting more than 24 hours may be due to the addition of phencyclidine (PCP) to the mushroom.

Amanita muscaria and *Amanita pantherina* contain the toxins ibotenic acid and muscimol. Muscimol acts as a GABA agonist and affects the central nervous system. Symptoms appear within 2 hours and may include abdominal discomfort, drowsiness, dizziness, sleep followed by increased motor activity, hallucinations, delirium and manic excitement. Children ingesting large amounts may experience convulsions, coma, and central nervous system effects lasting up to 12 hours.

The mushroom *Coprinus atramentarius* is edible but contains the amino acid coprine which is metabolized into an acetaldehyde dehydrogenase inhibitor. The resultant disturbance of alcohol metabolism may cause headache, nausea and vomiting, flushing and cardiovascular effects if alcohol is consumed within 72 hours after the mushrooms are eaten.

See also ibotenic acid.

MRW272 CAS: 145-39-1 HR: 1
MUSK TIBETENE

mf: C₁₃H₁₈N₂O₄ mw: 266.33

SYNS: BENZENE, 1-tert-BUTYL-2,6-DINITRO-3,4,5-TRIMETHYL- □ BENZENE, 1-(1,1-DIMETHYLETHYL)-2,6-DINITRO-3,4,5-TRIMETHYL- □ 5-tert-BUTYL-1,2,3-TRIMETHYL-4,6-DINITROBENZENE

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MLD FCTXAV 13,879,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits toxic vapors of NO_x.

MRW275 CAS: 34513-77-4 HR: 3
MYBORIN

mf: C₁₇H₂₇BN₂ mw: 270.27

SYNS: (T-4)-DIETHYL(2-(1-ETHYL-1-(2H-PYRROL-5-YL)PROP-YL)-1H-PYRROLATO-N¹,N²)-BORON □ 4,4,8,8-TETRAETHYL-3,3a,4,8-TETRAHYDRO-3a,4a,4-DIAZABORA-5-INDACENE

TOXICITY DATA with REFERENCE:

orl-mus LD50:180 mg/kg PSEBAA 150,434,75
 ipr-mus LD50:70 mg/kg PSEBAA 150,434,75
 scu-mus LD50:420 mg/kg PSEBAA 150,434,75

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of Na₂O. See also BORON COMPOUNDS.

MRW500 CAS: 73665-15-3 HR: 3
MYCINAMICIN 1

mf: C₃₆H₆₁NO₁₂ mw: 699.7

PROP: Powder. Mp: 103–107°. Produced from culture broth of *Micromonospora griseorubida* (JANTAJ 33,364,80).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:177 mg/kg JANTAJ 33,364,80

scu-mus LD50:310 mg/kg JANTAJ 33,364,80

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

MRW750 CAS: 73684-69-2 HR: 3 MYCINAMICINS II

mf: C₃₆H₆₁NO₁₃ mw: 715.98

PROP: Powder. Mp: 102–106°. Produced from culture broth of *Micromonospora grisedrubida* (JANTAJ 33,364,80).

SYN: A 11725 II

TOXICITY DATA with REFERENCE:

ipr-mus LD50:363 mg/kg JANTAJ 33,364,80

scu-mus LD50:465 mg/kg JANTAJ 33,364,80

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

MRW775 CAS: 88671-89-0 HR: D MYCLOBUTANIL

mf: C₁₅H₁₇ClN₄ mw: 288.81

SYNS: 2-P-CHLOROPHENYL-2-(1H-1,2,4-TRIAZOL-1-YLMETHYL)HEXANENITRILE □ NU-FLOW M □ NOVA □ NOVA W □ RALLY □ RH 3866 □ RH-53,866 □ SYSTHANE □ SYSTHANE 6 FLO □ α-BUTYL-α-(4-CHLOROPHENYL)-1H-1,2,4-THIAZOLE-1-PROPANENITRILE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg PEMNDP 9,601,1991

ihl-rat LC50:>5 g/m³ FMCHA2-,C291,1991

skn-rat LDLo:2229 mg/kg DEVEAA 40(242),9,1986

orl-mus LDLo:1300 mg/kg NTIS** OTS0570641

skn-rbt LD50:7500 mg/kg PBCDDQ-,55,1986

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. Experimental reproductive effects. When heated to decomposition emits toxic fumes of NO_x, SO_x, Cl₂.

MRW785 CAS: 130175-14-3 HR: 2 MYCOBACTERIUM BOVIS BCG EXTRACT

SYNS: MS-5101 □ MY-1

TOXICITY DATA with REFERENCE:

orl-rat LD :>1600 mg/kg YACHDS 18(Suppl 6),S1269,90

orl-mus LD :>1600 mg/kg YACHDS 18(Suppl 6),S1269,90

scu-mus LD :>1600 mg/kg YACHDS 18(Suppl 6),S1269,90

scu-dog LDLo:1600 mg/kg YACHDS 18(Suppl 6),S1269,90

SAFETY PROFILE: Moderately toxic by ingestion and subcutaneous routes. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating vapors.

MRW800 CAS: 12609-89-1 HR: 3 MYCOHEPTYNE

mf: C₄₇H₇₁NO₁₇ mw: 922.19

PROP: Yellow powder.

SYNS: ANTIBIOTIC 281471 □ ANTIBIOTIC 44 VI □ MYCOHEPTIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:2560 mg/kg KHFZAN 11(2),140,88

ipr-mus LD50:20 mg/kg 85GDA2 2,289,80

SAFETY PROFILE: Poison by intraperitoneal route.

Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

MRX000 CAS: 24280-93-1 HR: 3 MYCOPHENOLIC ACID

mf: C₁₇H₂₀O₆ mw: 320.37

PROP: Needles from hot water. Mp: 141°, a weak dibasic acid. Practically insol in cold water; very sol in alc; mod sol in ether, chloroform; sltly sol in benzene, toluene.

SYNS: 6-(5-CARBOXY-3-METHYL-2-PENTENYL)-7-HYDROXY-5-METHOXY-4-METHYLPHthalALIDE □ (E)-6-(4-HYDROXY-6-METHOXY-7-METHYL-3-OXO-5-PHTHALANYL)-4-METHYL-4-HEXENOIC ACID □ LILLY-68618 □ MELBEX □ (E)-4-METHYL-5-METHOXY-7-HYDROXY-6-(5-CARBOXY-3-METHYLPENT-2-EN-1-YL)PHTHALALIDE □ MICOFENOLICO ACIDO (SPANISH) □ NSC-129185

TOXICITY DATA with REFERENCE:

dni-mus:lym 200 nmol/L CNREA8 45,5512,85

oms-mus:lym 400 nmol/L CNREA8 45,5512,85

orl-rat LD50:352 mg/kg TOIZAG 29,400,82

ivn-rat LD50:450 mg/kg PMDCAY 9,1,73

ipr-rat LD50:220 mg/kg TOIZAG 29,400,82

scu-rat LD50:230 mg/kg TOIZAG 29,400,82

orl-mus LDLo:1000 mg/kg 85GDA2 5,445,81

ipr-mus LD50:505 mg/kg TOIZAG 29,400,82

ivn-mus LDLo:500 mg/kg 85ERAY 3,1740,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: A poison by ingestion and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

MRX500 CAS: 23593-75-1 HR: 3 MYCOSPORIN

mf: C₂₂H₁₇ClN₂ mw: 344.86

PROP: A solid. Mp: 147–149°.

SYNS: BAY 5097 □ BISPHENYL-(2-CHLOROPHENYL)-1-IMIDAZOLYL-METHAN (GERMAN) □ CANESTEN □ 1-(o-CHLORO-α,α-DIPHENYLBENZYL)IMIDAZOLE □ 1-(α-(2-CHLOROPHENYL)BENZHYDRYL)IMIDAZOLE □ 1-((2-CHLOROPHENYL)DIPHENYLMETHYL)-1H-IMIDAZOLE □ (CHLOROTRITYL)IMIDAZOLE □ 1-(o-CHLOROTRITYL)-IMIDAZOLE □ CLOTRIMAZOL □ CHLOTRIMAZOLE □ DIPHENYL-(2-CHLOROPHENYL)-1-IMIDAZOYLMETHANE □ EMPECID □ FB 5097 □ GYNE-LOTRIMIN □ LOTRIMIN □ MYCELAX □ MYCELEX □ TRIMYSTEN

TOXICITY DATA with REFERENCE:

ivg-wmn TDLo:28 mg/kg/7D:SKN CTOXAO 18,41,81

orl-rat LD50:708 mg/kg ARZNAD 22,1272,72

ipr-rat LD50:445 mg/kg KSRNAM 7,1333,73

orl-mus LD50:761 mg/kg ARZNAD 22,1272,72

ipr-mus LD50:108 mg/kg DCTODJ 13,195,90

orl-rbt LDLo:2000 mg/kg ARZNAD 22,1272,72

orl-mam LD50:750 mg/kg AACHAX -,271,69

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Human systemic effects by intrvaginal route: primary skin

irritations. Experimental reproductive effects. A fungicide. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

MRY000 CAS: 1404-01-9 HR: 3
MYCOTICIN (1:1)

mf: $\text{C}_{18}\text{H}_{30}\text{O}_5$ mw: 326.48

SYN: MYCOTICIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:10 mg/kg JIDEAE 23,163,54

scu-mus LD50:100 mg/kg 85ERAY 2,997,78

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

MRY100 CAS: 52955-41-6 HR: 3
MYOMYCIN B

mf: $\text{C}_{27}\text{H}_{51}\text{N}_6\text{O}_{14}$ mw: 725.87

TOXICITY DATA with REFERENCE:

orl-mus LD50:9000 mg/kg 85GDA2 1,235,80

ipr-mus LD50:800 mg/kg 85GDA2 1,235,80

scu-mus LD50:1100 mg/kg 85GDA2 1,235,80

ivn-mus LD50:165 mg/kg 85GDA2 1,235,80

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

MRY250 HR: 3
MYOMYCIN SULFATE

PROP: Isolated from beer filtrates (JANTAJ 26,273,73).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:800 mg/kg JANTAJ 26,272,73

scu-mus LD50:1100 mg/kg JANTAJ 26,272,73

ivn-mus LD50:165 mg/kg JANTAJ 26,272,73

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and SO_x . See also SULFATES.

MRY600 HR: 3
MYOPORUM LAETUM

PROP: A large, thick-trunked tree which may have buttress for the limbs. The bark is a light gray-white color. The elliptical leaves are about 3 inches long with serrated edges. When held up to a light, the leaves show many distinctive dark glands. The seed pod is a small ball and contains one seed. It is native to New Zealand, but is commonly planted along streets in northern California.

SAFETY PROFILE: The leaves and fruit contain (–)ngaione, a furanoid sesquiterpene ketone. Ingestion of these plant parts can cause persistent vomiting, convulsions, coma, and death.

MRZ100 HR: 3
MYRABOLAM TANNIN

SYN: TANNIN from MYRABOLAM

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg JPPMAB 9,98,57

scu-mus LD50:150 mg/kg JPPMAB 9,98,57

ivn-mus LD50:150 mg/kg JPPMAB 9,98,57

ims-mus LD50:150 mg/kg JPPMAB 9,98,57

SAFETY PROFILE: Poison by subcutaneous, intramuscular, intravenous and intraperitoneal routes. See also TANNIN.

MRZ150 CAS: 123-35-3 HR: 3
MYRCENE

mf: $\text{C}_{10}\text{H}_{16}$ mw: 136.26

PROP: Colorless to pale-yellow liquid or oil; sweet, balsamic odor. D: 0.789, refr index: 1.466–1.471, bp: 116°, flash p: 99°F. Sol in alc, fixed oils; insol in water.

SYNS: FEMA No. 2762 □ 3-METHYLENE-7-METHYL-1,6-OCTADIENE □ 7-METHYL-3-METHYLENE-1,6-OCTADIENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 14,615,76

orl-rat LD50:>5 g/kg FCTXAV 14,615,76

skn-rbt LD50:>5 g/kg FCTXAV 14,615,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. Experimental reproductive effects. A moderate skin and eye irritant. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

MRZ200 CAS: 14813-29-7 HR: D
MYRICETIN HEXAACETATE

mf: $\text{C}_{27}\text{H}_{22}\text{O}_{14}$ mw: 570.49

SYNS: 4H-1-BENZOPYRAN-4-ONE, 3,5,7-TRIHYDROXY-2-(3,4,5-TRIHYDROXYPHENYL)-, HEXAACETATE □ 4H-1-BENZOPYRAN-4-ONE, 3,5,7-TRIS(ACETYLOXY)-2-(3,4,5-TRIS(ACETYLOXY)PHENYL)- □ FLAVONE, 3,3',4',5',5',7'-HEXAHYDROXY-, HEXAACETATE □ 3,3',4',5',5',7'-HEXAHYDROXYFLAVONE HEXAACETATE

TOXICITY DATA with REFERENCE:

mic-sat 100 $\mu\text{Lg}/\text{plate}$ ENMUDM 3,401,1981

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

MSA250 CAS: 544-63-8 HR: 3
MYRISTIC ACID

mf: $\text{C}_{14}\text{H}_{28}\text{O}_2$ mw: 228.36

PROP: White or faintly yellow crystals from methanol. Mp: 54°, bp: 250.5° @ 100 mm, d: 0.8622 @ 54°/4°. Sol in abs alc, methanol, ether, pet ether, benzene, chloroform; insol in water.

SYNS: CRODADIC □ EMERY 655 □ HYDROFOL ACID 1495 □ HYSTRENE 9014 □ 1-TRIDECANECARBOXYLIC ACID □ TETRADECANOIC ACID □ n-TETRADECOIC ACID □ UNIVOL U 316S

TOXICITY DATA with REFERENCE:

skn-hmn 75 mg/3D-I MOD 85DKA8 -,127,77

eye-rbt 100 mg MLD JACTDZ 6(3),321,87

sln-smc 2500 ppb ANYAA9 407,186,83

ivn-mus LD50:43 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

MSA300 CAS: 110-36-1 HR: 1**MYRISTIC ACID, BUTYL ESTER**mf: $C_{18}H_{36}O_2$ mw: 284.54**SYNS:** BUTYL MYRISTATE □ BUTYL TETRADECANOATE □ BUTYL n-TETRADECANOATE □ TETRADECANOIC ACID, BUTYL ESTER □ WICKENOL 141**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD JACTDZ 9(2),247,90

orl-rat LD50:>8 g/kg JACTDZ 9(2),247,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**MSA500 CAS: 607-91-0 HR: 3**
MYRISTICINmf: $C_{11}H_{12}O_3$ mw: 192.23**PROP:** D: 1.14 @ 20°/20°, bp: 149–149.5° @ 15 mm.**SYN:** 5-ALLYL-1-METHOXY-2,3-(METHYLENEDIOXY)BENZENE**TOXICITY DATA with REFERENCE:**

dnd-mus-ipr 400 mg/kg CRNGDP 5,1613,84

orl-hmn TDLo:5700 µg/kg:CNS JNEUAY 2,205,61

orl-rat LD50:4260 mg/kg JAFCAU 30,563,82

orl-cat LDLo:400 mg/kg AMJPA6 80,563,09

scu-rbt LDLo:900 mg/kg AMJPA6 80,563,09

scu-gpg LDLo:2000 mg/kg AMJPA6 80,563,09

SAFETY PROFILE: Poison by ingestion. Moderately toxic by subcutaneous route. Human systemic effects by ingestion: wakefulness, euphoria, hallucinations and distorted perceptions. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.**MSA750 CAS: 64817-78-3 HR: 2**
9-MYRISTOYL-1,7,8-ANTHRACENETRIOLmf: $C_{28}H_{36}O_4$ mw: 436.64**SYNS:** 1,8-DIHYDROXY-10-MYRISTOYL-9-ANTHRONE □ 1,8-DIHYDROXY-10-(1-OXOTETRADECYL)-9(10H)-ANTHRACEN-ONE □ 10-MYRISTOYL-1,8,9-ANTHRACENETRIOL**TOXICITY DATA with REFERENCE:**

skn-mus TDLo:2621 mg/kg/73W-I:NEO JMCMA 21,26,78

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**MSB000 CAS: 63021-43-2 HR: 2**
1-MYRISTOYLAZIRIDINEmf: $C_{16}H_{31}NO$ mw: 253.48**SYNS:** MYRISTOYLETHYLENEIMINE □ TETRADECANOYL-ETHYLENEIMINE**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO_x .**MSB100 CAS: 79127-47-2 HR: 2**
**N-MYRISTOYLOXY-N-ACETYL-2-AMINO-7-
IODOFLUORENE**mf: $C_{29}H_{38}INO_3$ mw: 575.58**SYNS:** ACETOHYDROXAMIC ACID, N-(7-IODOFLUOREN-2-YL)-O-MYRISTOYL- □ HYDROXYLAMINE, N-ACETYL-N-(7-IODO-2-FLUORENYL)-O-MYRISTOYL- □ N-MYRISTOYLOXY-AAIF**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:147 mg/kg/6W-I:CAR CRNGDP 2,655,81

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x .**MSB250 CAS: 63224-46-4 HR: 2**
**N-MYRISTOYLOXY-N-MYRISTOYL-2-AMINO-
FLUORENE**mf: $C_{41}H_{63}NO_3$ mw: 618.05**SYN:** N-TETRADECANOYL-N-TETRADECANOYLOXY-2-AMINOFLUORENE**TOXICITY DATA with REFERENCE:**

dnd-hmn:fbr 100 µmol/L CNREA8 37,1461,77

dns-hmn:fbr 100 µmol/L/5H IJCNAW 16,284,75

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .**MSB500 CAS: 2748-88-1 HR: 3**
MYRISTYL-γ-PICOLINIUM CHLORIDEmf: $C_{20}H_{36}N^+Cl^-$ mw: 326.02**PROP:** A solid. Mp: 73–74°.**SYNS:** QUATRESIN □ WET-TONE B**TOXICITY DATA with REFERENCE:**

orl-rat LD50:250 mg/kg ARTODN 32,245,74

ipr-rat LD50:7500 µg/kg JAPMA8 35,89,46

scu-rat LD50:200 mg/kg JAPMA8 35,89,46

ivn-rat LD50:30 mg/kg JAPMA8 35,89,46

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl^- .**MSB750 HR: 2**
MYROBALANS TANNIN**SYNS:** TANNIN from MYROBALANS □ TERMINALIA CHEBULA RETZ TANNING**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also TANNIN.**MSB775 CAS: 8016-37-3 HR: 2**
MYRRH OIL**PROP:** From steam distillation of myrrh gum from *Commiphora* (Fam. *Burseraceae*). Light-brown to green liquid; characteristic odor. Sol in fixed oils, sltly sol in mineral oil; insol in glycerin, propylene glycol.**SYN:** OIL OF HEERABOL-MYRRH**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1650 mg/kg FCTXAV 14,621,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.

**MSC000
MYRTAN TANNIN****HR: 2****SYNS:** EUCALYPTUS REDUNCA TANNIN □ TANNIN from MYRTAN**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also TANNIN.**MSC050
MYRTENYL ACETATE****CAS: 1079-01-2****HR: 2**mf: $C_{12}H_{18}O_2$ mw: 194.30**SYNS:** BICYCLO(3.1.1)HEPT-2-ENE-2-METHANOL, 6,6-DIMETHYL-, ACETATE, (1S)- □ (1S)-6,6-DIMETHYLBICYCLO(3.1.1)HEPT-2-ENE-2-METHANOL ACETATE □ (+)-MYRTENYL ACETATE □ 2-PINEN-10-OL, ACETATE (6CI,7CI,8CI)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2600 mg/kg FCTOD7 26,389,88

skn-rbt LDLo:5 g/kg FCTOD7 26,389,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Slightly toxic by skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.**MSC100
MYSURAN CHLORIDE****CAS: 115-79-7****HR: 3**mf: $C_{28}H_{42}Cl_2N_4O_2 \cdot 2Cl$ mw: 608.54**PROP:** Crystals. Mp: 196–199°. Freely sol in water.**SYNS:** AMBENONIUM CHLORIDE □ AMBENONIUM DICHLORIDE □ AMBESTIGMIN CHLORIDE □ N,N'-BIS(2-DIETHYLAMINOETHYL)OXAMIDE BIS(2-CHLOROBENZYL CHLORIDE) □ MISURAN □ MYSURAN □ MYTELASE □ MYTELASE CHLORIDE □ OKSAZIL □ (OXALYBIS(IMINO-ETHYLENE)BIS((o-CHLOROBENZYL)DIETHYLAMMONIUM)) DICHLORIDE □ OXAMIZIL □ OXAZIL □ OXAZYL □ WIN 8077**TOXICITY DATA with REFERENCE:**

orl-rat LD50:18,500 µg/kg NIIRDN 6,132,82

scu-rat LD50:4500 µg/kg NIIRDN 6,132,82

ivn-rat LD50:2720 µg/kg NIIRDN 6,132,82

orl-mus LD50:145 mg/kg NIIRDN 6,132,82

scu-mus LD50:3700 µg/kg NIIRDN 6,132,82

ivn-mus LD50:1510 µg/kg NIIRDN 6,132,82

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of Cl^- , NH_3 , and NO_x . See also CHLORIDES.