

AJI550 CAS: 34839-13-9 HR: D
I-AMINO-3-CHLORO-2-PROPANOL HYDRO CHLORIDE

mf: $C_3H_8ClNO \cdot ClH$ mw: 146.03

SYNS: (-)-1-AMINO-3-CHLORO-2-PROPANOL HYDRO CHLORIDE □ 1-1-AMINO-3-CHLORO-2-PROPANOL HYDRO CHLORIDE □ CL 88236

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

AJI600 CAS: 34839-12-8 HR: 3
di-1-AMINO-3-CHLORO-2-PROPANOL HYDRO CHLORIDE

mf: $C_3H_8ClNO \cdot ClH$ mw: 146.03

SYN: (±)-1-AMINO-3-CHLORO-2-PROPANOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:165 mg/kg CCPTAY 9,451,74

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl^- and NO_x .

AJI650 CAS: 41663-73-4 HR: 3
2-AMINO-5-CHLOROTHIAZOLE

mf: $C_3H_3ClN_2S$ mw: 134.59

TOXICITY DATA with REFERENCE:

mmo-sat 1 mmol/L MUREAV 118,153,83

mmo-klp 500 μ mol/L MUREAV 118,153,83

ivn-mus LD50:180 mg/kg CSLNX* NX#02306

SAFETY PROFILE: Poison by intravenous route. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl^- , SO_x , and NO_x .

AJJ250 CAS: 88-51-7 HR: 1
6-AMINO-4-CHLORO-m-TOLUENESULFONIC ACID

mf: $C_7H_8ClNO_3S$ mw: 221.67

SYNS: 2B ACID □ BENZENESULFONIC ACID, 2-AMINO-4-CHLORO-4-CHLORO-5-METHYL- □ BRILLIANT TONING RED AMINE □ 2-CHLORO-4-AMINOTOLUENE-5-SULFONIC ACID □ KYSELINA 2-CHLOR-4-TOLUIDIN-5-SULFONOVA (CZECH) □ RED 2B ACID

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MOD 28ZPAK -,184,72

orl-rat LD50:12 g/kg 28ZPAK -,184,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and SO_x .

AJJ500 CAS: 2448-39-7 HR: 3
6-AMINOCOUMARIN COUMARIN-3-CARBOXYLIC ACID SALT

mf: $C_{19}H_{10}NO_6$ mw: 348.30

TOXICITY DATA with REFERENCE:

orl-mus LD50:103 mg/kg YKKZAJ 83,1124,63

scu-mus LD50:55 mg/kg YKKZAJ 83,1124,63

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

AJJ750 CAS: 63989-79-7 HR: 3
6-AMINOCOUMARIN HYDROCHLORIDE

mf: $C_9H_7NO_2 \cdot ClH$ mw: 197.63

TOXICITY DATA with REFERENCE:

orl-mus LD50:623 mg/kg YKKZAJ 83,1124,63

scu-mus LD50:353 mg/kg YKKZAJ 83,1124,63

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes such as HCl and NO_x .

AJJ770 CAS: 4854-84-6 HR: D
4-AMINO-4'-CYANOBIIPHENYL

mf: $C_{13}H_{10}N_2$ mw: 194.25

SYNS: 4'-AMINO-(1,1'-BIPHENYL)-4-CARBONITRILE □ (1,1'-BIPHENYL)-4-CARBONITRILE, 4'-AMINO-

TOXICITY DATA with REFERENCE:

mmo-sat 33 nmol/plate MUREAV 320,45,94

cyt-mus-ipr 100 mg/kg MUREAV 320,45,94

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

AJJ800 CAS: 6264-93-3 HR: 3
2-AMINO-2,4,6-CYCLOHEPTATRIEN-1-ONE

mf: C_7H_7NO mw: 121.15

PROP: Yellow prisms from $CHCl_3$ /hexane or by subliming. Mp: 106–107°.

SYN: 2-AMINOTROPONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:176 mg/kg CPBTAL 20,60,72

scu-mus LD50:175 mg/kg CPBTAL 20,60,72

ivn-mus LD50:333 mg/kg CPBTAL 20,60,72

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

AJJ875 CAS: 3485-14-1 HR: 3
(1-AMINOCYCLOHEXYL)PENICILLIN

mf: $C_{15}H_{23}N_3O_4S$ mw: 341.47

PROP: Crystals. Mp: 182–183° (anhydrate), Mp: 156–158° (decomp). Sol in water.

SYNS: AC-PC □ 6-(1-AMINOCYCLOHEXANECARBOXAMIDO)PENICILLANIC ACID □ AMINOCYCLOHEXYLPENICILLIN □ CALTHOR □ CICLACILLIN □ CICLACILLUM □ CITOSARIN □ CYCLACILLIN □ CYCLAPEN □ SYNGACILLIN □ ULTRACILLIN □ VASTCILLIN □ VATRACIN □ VIPICIL □ WY 4508 □ WYVITAL

TOXICITY DATA with REFERENCE:

orl-hmn TDL_o:210 mg/kg/7D-I:GIT,SKN CHTHBK 22,154,76

orl-rat LD50:5010 mg/kg CHTHBK 22,154,76

ipr-rat LD50:5010 mg/kg CHTHBK 22,154,76

scu-rat LD50:6500 mg/kg TAKHAA 29,117,70

orl-mus LD50:5010 mg/kg CHTHBK 22,154,76

ipr-mus LD50:3776 mg/kg CHTHBK 22,154,76
 scu-mus LD50:7500 mg/kg TAKHAA 29,117,70
 orl-dog LD50:2500 mg/kg CHTHBK 22,154,76

SAFETY PROFILE: Moderately toxic by ingestion and other routes. Human systemic effects by ingestion: dermatitis and diarrhea. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

AJK000 HR: 3
1-AMINO-2-(o-CYCLOHEXYLPHENOXY) PROPIONALDOXIME

mf: C₁₅H₂₂N₂O₂ mw: 262.39

SYN: MG 18415

TOXICITY DATA with REFERENCE:

orl-mus LD50:620 mg/kg ARZNAD 29,729,79
 ipr-mus LD50:200 mg/kg ARZNAD 29,729,79

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

AJK250 CAS: 52-52-8 HR: 3
1-AMINOCYCLOPENTANE-1-CARBOXYLIC ACID

mf: C₆H₁₁NO₂ mw: 129.18

PROP: Prisms. Mp: 328–329°.

SYNS: ACPC □ 1-AMINO-1-CYCLOPENTANECARBOXYLIC ACID □ CB 1639 □ CYCLOLEUCINE □ NSC-1026 □ WR 14,997 □ X 201

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:60 mg/kg; CNS, GIT J MPCAS 3,1,61
 orl-rat LD50:290 mg/kg J MPCAS 3,1,61
 ivn-rat LD50:340 mg/kg J MCMAR 3,1,61
 orl-mus LD50:309 mg/kg J MPCAS 3,1,61
 ipr-mus LD50:119 mg/kg NCISP* JAN86
 scu-mus LD50:375 mg/kg NCISP* JAN86
 orl-dog LD50:300 mg/kg J MPCAS 3,1,61
 ivn-dog LD50:300 mg/kg J MCMAR 3,1,61
 orl-gpg LD50:140 mg/kg J MPCAS 3,1,61

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

SAFETY PROFILE: Poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Human systemic effects by ingestion: anorexia, nausea and vomiting. When heated to decomposition it emits toxic fumes of NO_x.

AJK500 CAS: 60676-83-7 HR: 3
4-AMINO-N-CYCLOPROPYL-3,5-DICHLORO BENZAMIDE

mf: C₁₀H₁₀Cl₂N₂O mw: 245.12

SYNS: N-CYCLOPROPYL-4-AMINO-3,5-DICHLORO-BENZAMIDE □ N-CYCLOPROPYL-3,5-DICHLORO-4-AMINOBENZAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:170 mg/kg 27ZQAG -,400,72
 ipr-rat LD50:160 mg/kg 27ZQAG -,400,72
 orl-mus LD50:195 mg/kg 27ZQAG -,400,72
 ipr-mus LD50:265 mg/kg J MCMAR 6,528,63

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

AJK625 CAS: 57294-74-3 HR: D
N⁴-AMINOCYTIDINE

mf: C₉H₁₄N₄O₅ mw: 258.27

PROP: Crystals.

TOXICITY DATA with REFERENCE:

mno-sat 50 nmol/plate NARHAD 11,5223,83
 mmo-omi 10 μmol/L NARHAD 11,5223,83
 mmo-omi 50 μmol/L BICHAW 24,7273,85

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

AJK750 CAS: 1951-25-3 HR: 3
AMINODARONE

mf: C₂₅H₂₉I₂NO₃ mw: 645.35

SYNS: AMIODARONE □ 2-BUTYL-3-BENZOFURANYL p-((2-DIETHYLAMINO)ETHOXY)-m,m-DIODOPHENYL KETONE □ 2-BUTYL-3-(3,5-DIODO-4-(2-DIETHYLAMINOETHOXY)-BENZOYL) BENZOFURAN □ 2-N-BUTYL-3',5'-DIODO-4'-N-DIETHYLAMINO ETHOXY-3-BENZOYLBENZOFURAN □ L. 3428 □ LABAZ

TOXICITY DATA with REFERENCE:

orl-man TDLo:133 mg/kg/23D-I:SKN LANCAO 1,51,84
 ipr-mus LD50:254 mg/kg EJTAX 8,122,75
 ivn-mus LD50:178 mg/kg EJTAX 8,188,75

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Human systemic effects by ingestion: photosensitivity of the skin. A flammable liquid. When heated to decomposition it emits very toxic fumes of I⁻ and NO_x. A coronary vasodilator.

AJK800 CAS: 2504-55-4 HR: 3
3'-AMINO-3'-DEOXYADENOSINE

mf: C₁₀H₁₄N₆O₃ mw: 266.30

SYNS: ADENOSINE, 3'-AMINO-3'-DEOXY- □ (9-(3'-AMINO-3'-DEOXYRIBOFURANOSYL)ADENINE)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:28 mg/kg JOCEAH 27,1731,1962

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

AJL125 CAS: 32764-43-5 HR: D
2-AMINO-2-DEOXY-I-ASCORBIC ACID

mf: C₆H₉NO₅ mw: 175.16

SYNS: AMINO REDUCTONE □ SCORBAMIC ACID □ I-SCORBAMIC ACID □ SCORBAMINIC ACID

TOXICITY DATA with REFERENCE:

spm-slw-par 25 μg/kg EISOAU 34,367,81
 oms-mus:lv 500 μmol/L JNSVA5 24,263,78
 dnd-mam:lym 500 μmol/L JNSVA5 24,263,78

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

AJL200 CAS: 136494-33-2 HR: D
2-AMINO-2'-DEOXYINOSINE OXIME

SYNS: 2-AMINO-N⁶-HYDROXY-2'-DEOXYADENOSINE □ INOSINE, 2-AMINO-2'-DEOXY-, OXIME

TOXICITY DATA with REFERENCE:

mic-bac-sat 600 pmol/plate MUREAV 253,47,91
 mic-mic-uns 105 μmol/L MUREAV 253,47,91

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

AJL250 CAS: 63041-30-5 HR: 2
9-AMINO-1,2,5,6-DIBENZANTHRACENE

mf: C₂₂H₁₅N mw: 293.38

SYNS: 7-AMINODIBENZ(a,h)ANTHRACENE

TOXICITY DATA with REFERENCE:

skn-mus TDLo:1250 mg/kg/52W-I:ETA PRLBA4
 117,318,35

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

AJL500 CAS: 81-49-2 HR: 1
1-AMINO-2,4-DIBROMOANTHRAQUINONE

mf: C₁₄H₇Br₂NO₂ mw: 381.04

SYNS: 1-AMINO-2,4-DIBROMANTHRACHINON (CZECH) □
 2,4-DIBROMO-1-ANTHRAQUINONYLAMINE □ NCI-C55458

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,88,72
 mmo-sat 333 µg/plate ENMUDM 5(Suppl 1),3,83
 mma-sat 333 µg/plate NTPTB* JAN 82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AJL750 CAS: 52112-67-1 HR: 2
2-AMINO-5,7-DIBROMOBENZOXAZOLE

mf: C₇H₄Br₂N₂O mw: 291.95

TOXICITY DATA with REFERENCE:

orl-mus LD50:1050 mg/kg MDCHAG 4(1),336,64
 ipr-mus LD50:780 mg/kg MDCHAG 4(1),336,64

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal route. When heated to decomposition it emits very toxic fumes of Br⁻ and NO_x.

AJL875 CAS: 102207-73-8 HR: 3
2-AMINO-4-

DIBUTYLAMINOETHOXYPYRIMIDINE

mf: C₁₄H₂₆N₄O mw: 266.44

SYNS: 2-AMINO-4-(2-DIBUTYLAMINOETHOXY)PYRIMIDINE
 □ OR-1550

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg AIPTAK 106,50,56
 ipr-rat LD50:75 mg/kg AIPTAK 106,50,56
 ipr-mus LD50:157 mg/kg AIPTAK 106,50,56
 ivn-mus LD50:44 mg/kg AIPTAK 106,50,56
 orl-dog LD50:450 mg/kg AIPTAK 106,50,56
 ivn-dog LD50:35 mg/kg AIPTAK 106,50,56
 orl-rbt LD50:1260 mg/kg AIPTAK 106,50,56
 ivn-rbt LD50:46 mg/kg AIPTAK 106,50,56

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

AJM000 CAS: 133-90-4 HR: 2
3-AMINO-2,5-DICHLOROBENZOIC ACID

mf: C₇H₅Cl₂NO₂ mw: 206.03

PROP: Purplish-white powder. Mp: 200–201°.

SYNS: ACP-M-728 □ AMBIBEN □ AMOBEN □ CHLORAMBEN
 □ 2,5-DICHLORO-3-AMINOBENZOIC ACID □ NCI-C00055 □
 ORNAMENTAL WEED □ VEGABEN

TOXICITY DATA with REFERENCE:

mmo-sat 10 mg/plate ENMUDM 5(Suppl 1),3,83
 mma-sat 1 mg/plate NTPTB* JAN 82
 cyt-mus-ipr 58,500 µg/kg CARYAB 33,527,80
 cyt-mus-orl 234 mg/kg CARYAB 33,527,80
 orl-rat LD50:3500 mg/kg RREVAH 10,97,65
 orl-mus LD50:3725 mg/kg GISAAA 45(4),74,80
 skn-rbt LD50:3136 mg/kg WRPCA2 7,135,68

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Positive: mouse NCITR* NCI-CG-TR-25,77; Results Negative: rat NCITR* NCI-CG-TR-25,77. Community Right-To-Know List. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits highly toxic fumes such as Cl⁻ and NO_x. See also AROMATIC AMINES.

AJM500 CAS: 64037-12-3 HR: 3
2-AMINO-5,6-DICHLOROBENZOXAZOLE

mf: C₇H₄Cl₂N₂O mw: 203.03

TOXICITY DATA with REFERENCE:

orl-mus LD50:1200 mg/kg MDCHAG 4(1),336,64
 ipr-mus LD50:300 mg/kg MDCHAG 4(1),336,64

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

AJM525 CAS: 527-62-8 HR: D
2-AMINO-4,6-DICHLOROPHENOL

mf: C₆H₅Cl₂NO mw: 178.02

SYNS: 2,4-DICHLORO-6-AMINOPHENOL □ PHENOL, 2-AMINO-4,6-DICHLORO-

TOXICITY DATA with REFERENCE:

mnt-ham-lng 200 mg/L MUREAV 368,149,1996
 sce-ham-lng 100 mg/L MUREAV 368,149,1996

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

AJM550 CAS: 39617-48-6 HR: 3
1-AMINO-3,3-DI(4-CHLOROPHENYL)
CYCLOPENTANE HYDROCHLORIDE

mf: C₁₇H₁₇Cl₂N•ClH mw: 342.71

SYNS: CYCLOPENTANAMINE, 3,3-BIS(4-CHLOROPHENYL)-, HYDROCHLORIDE □ 3,3-BIS(4-CHLOROPHENYL) CYCLOPENTANAMINE HYDROCHLORIDE □ PUT 108

TOXICITY DATA with REFERENCE:

ivn-mus LD50:23 mg/kg APSXAS 12,149,75

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

AJM575 CAS: 82540-41-8 HR: 1
(4-AMINO-3,5-DICHLOROPHENYL)GLYCOLIC

ACIDmf: C₈H₇Cl₂NO₃ mw: 236.06SYNS: BENZENEACETIC ACID, 4-AMINO-3,5-DICHLORO- α -HYDROXY- □ GLYCOLIC ACID, (4-AMINO-3,5-DICHLORO-PHENYL)- □ NAB-739**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5 g/kg IYKEDH 15,741,1984

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.**AJM600 CAS: 91480-92-1 HR: 3
1-(4-AMINO-5-(3,4-DICHLOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE**mf: C₁₃H₁₂Cl₂N₂O mw: 283.17**PROP:** A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(3,4-DICHLOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(3,4-DICHLOROPHENYL)-2-METHYL-PYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**AJM750 CAS: 50510-12-8 HR: 3
2-AMINO-5-((3,4-DICHLOROPHENYL)THIO
METHYL)-2-OXAZOLINE**mf: C₁₀H₁₀Cl₂N₂OS mw: 277.18**TOXICITY DATA with REFERENCE:**

orl-mus LD50:562 mg/kg JMCMA 16,510,73

ipr-mus LD50:383 mg/kg JMCMA 16,510,73

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of Cl⁻, NO_x, and SO_x.**AJN250 CAS: 2381-85-3 HR: 3
5-AMINO-9-(DIETHYLAMINO)BENZO(a)
PHENOXAZIN-7-IUM SULFATE (2:1)**mf: C₄₀H₄₀N₆O₂•O₄S mw: 732.92**PROP:** Bright blue crystals. Sol in H₂O, EtOH.

SYNS: C.I. 51180 □ C.I. BASIC BLUE 12 □ CRESOL FAST VIOLET □ CRESYL FAST VIOLET □ NILE BLUE □ NILE BLUE A □ NILE BLUE AX □ NILE BLUE BASE □ NILE BLUE CHLORIDE □ NILE BLUE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mic-mic-uns 1 ppm POASAD 34,114,53

ivn-mus LDLo:65 mg/kg TXAPA 44,225,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Mutation data reported. See also SULFATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.**AJN375 CAS: 102207-75-0 HR: 3
2-AMINO-4-DIETHYLAMINOETHOXY-
PYRIMIDINE**mf: C₁₀H₁₈N₄O mw: 210.32

SYNS: 2-AMINO-4-(2-DIETHYLAMINOETHOXY)PYRIMIDINE □ OR-1556

TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg AIPTAK 106,50,56

ipr-rat LD50:75 mg/kg AIPTAK 106,50,56

ipr-mus LD50:252 mg/kg AIPTAK 106,50,56

ivn-mus LD50:174 mg/kg AIPTAK 106,50,56

orl-dog LD50:2750 mg/kg AIPTAK 106,50,56

ivn-dog LD50:165 mg/kg AIPTAK 106,50,56

orl-rbt LD50:875 mg/kg AIPTAK 106,50,56

ivn-rbt LD50:174 mg/kg AIPTAK 106,50,56

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**AJN500 CAS: 51-06-9 HR: 3
p-AMINO-N-(2-DIETHYLAMINOETHYL)-
BENZAMIDE**mf: C₁₃H₂₁N₃O mw: 235.37**PROP:** Solid. Mp: 46–48°, bp: 210–215° @ 2 mm.

SYNS: p-AMINOBENZOIC DIETHYLAMINOETHYLAMIDE □ 4-AMINO-N-(2-(DIETHYLAMINO)ETHYL)-BENZAMIDE (9CI) □ NOVOCAINAMIDE □ NOVOCaine AMIDE □ NOVOCAMID □ PROCAINAMIDE □ PROCAINE AMIDE □ PROCAMIDE □ PRONESTYL

TOXICITY DATA with REFERENCE:

orl-man TDLo:8579 mg/kg/43W-I:PUL AJMEAZ 76,146,84

orl-man TDLo:29 mg/kg:CNS AJCDAG 57,340,86

orl-wmn TDLo:1826 mg/kg/13W-I:CVS AHJOA2 83,798,72

orl-hmn TDLo:2280 mg/kg/22W:MSK BHJUAV 34,284,72

ivn-man TDLo:583 mg/kg/12D-C:CVS AHJOA2 109,375,85

ivn-rat LD50:110 mg/kg RPTOAN 33,292,70

orl-mus LD50:525 mg/kg CCCCAK 42,362,77

orl-mus LD50:525 mg/kg CCCCAK 42,362,77

ipr-mus LD50:178 mg/kg PJPPAA 37,551,85

ivn-mus LD50:49 mg/kg PJPPAA 37,551,85

orl-dog LDLo:2210 mg/kg TXAPA 9 21,253,72

ivn-rbt LD50:125 mg/kg PJPPAA 32,833,80

ivn-gpg LD50:280 mg/kg FRPSAX 12,77,57

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human systemic effects by ingestion: cardiac abnormalities, joint effects, cough, tremors, dyspnea, and other lung effects. When heated to decomposition it emits toxic fumes of NO_x.**AJN750 CAS: 63887-34-3 HR: 3
p-AMINO-N-(2-DIETHYLAMINOETHYL)-
BENZAMIDE SULFATE**mf: C₁₃H₂₁N₃O•H₂O₄S mw: 333.45

SYNS: PROCAINAMIDE SULFATE □ PROCAINE AMIDE SULFATE □ SUPICaine AMIDE SULFATE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:165 mg/kg RPOBAR 2,318,70

ivn-mus LD50:146 mg/kg RPOBAR 2,318,70

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

AJO000 CAS: 61827-74-5 HR: 3
N-(2-AMINO-5-DIETHYLAMINOPHENETHYL)
METHANE SULFONAMIDE-
HYDROCHLORIDE

mf: $C_{13}H_{23}N_3O_2S \cdot HCl$ mw: 321.91

TOXICITY DATA with REFERENCE:

orl-rat LDLo:400 mg/kg KODAK* -,71

ipr-rat LD50:50 mg/kg KODAK* -,71

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

AJO100 CAS: 63731-93-1 HR: 3
2-AMINO-4- γ -DIETHYLAMINOPROPYLAMINO-
5,6-DIMETHYLPYRIMIDINE

mf: $C_{13}H_{23}N_5$ mw: 251.43

TOXICITY DATA with REFERENCE:

orl-mus LDLo:250 mg/kg JCSOA9 -,357,46

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

AJO250 CAS: 2198-58-5 HR: 3
p-AMINO DIETHYLANILINE HYDROCHLORIDE

mf: $C_{10}H_{16}N_2 \cdot ClH$ mw: 200.74

PROP: Bp: 217.5°. Sltly sol in water, sol in ether.

SYN: N,N-DIETHYL-P-PHENYLENEDIAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg KODAK* -,71

ipr-rat LDLo:25 mg/kg KODAK* -,71

ivn-mus LD50:24 mg/kg CSLNX* NX#07893

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AJO280 CAS: 4928-02-3 HR: D
7-AMINO-1,3-DIHYDRO-5-PHENYL-2H-1,4-
BENZODIAZEPIN-2-ONE

mf: $C_{15}H_{13}N_3O$ mw: 251.31

SYNS: 7-AMINONITRAZEPAM \square 2H-1,4-BENZODIAZEPIN-2-ONE, 7-AMINO-1,3-DIHYDRO-5-PHENYL- \square RO 5-3072

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

AJO290 CAS: 521-31-3 HR: 2
5-AMINO-2,3-DIHYDRO-1,4-PHTHALAZINE-
DIONE

mf: $C_8H_7N_3O_2$ mw: 177.18

SYNS: 3-AMINOPHTHALHYDRAZIDE \square 3-AMINOPHTHALIC ACID HYDRAZIDE \square LUMINOL \square 1,4-PHTHALAZINEDIONE, 5-AMINO-2,3-DIHYDRO-

TOXICITY DATA with REFERENCE:

sce-ham-lng 500 μ mol/L CHROAU 99,360,1990

orl-rat LD:>500 mg/kg NCNSA6 5,11,1953

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AJO500 CAS: 134-58-7 HR: 3
5-AMINO-1,6-DIHYDRO-7H-v-TRIAZOLO(4,5-d)
PYRIMIDIN-7-ONE

mf: $C_4H_4N_6O$ mw: 152.14

PROP: Crystals from water. Mp: 305° (decomp).

SYNS: 8 AG \square 5-AMINO-1,4-DIHYDRO-7H-1,2,3-TRIAZOLO(4,5-d)PYRIMIDIN-7-ONE (9CI) \square 5-AMINO-7-HYDROXY-1H-v-TRIAZOLO(d)PYRIMIDINE \square 5-AMINO-1H-v-TRIAZOLO(d)PYRIMIDIN-7-OL \square 5-AMINO-v-TRIAZOLO(4,5-d)PYRIMIDIN-7-OL \square AZAGUANINE \square AZAGUANINE-8 \square 8-AZAGUANINE \square AZAN \square AZG \square B-28 \square GUANAZOL \square GUANAZOLO \square NSC-749 \square PATHOCIDIN \square PATHOCIDINE \square SF-337 \square SK 1150 \square TRIAZOLOGUANINE

TOXICITY DATA with REFERENCE:

dni-mus:lym 66 μ mol/L CJBBDU 62,280,84

oms-mus:leu 1 μ mol/L AEZRA2 20,351,82

ipr-mus TDLo:80 mg/kg (female 8D post):TER JEEMAF 6,593,58

ipr-rat LD50:1000 mg/kg ADTEAS 3,181,68

orl-mus LD50:1500 mg/kg OSDIAF 17,491,68

ipr-mus LD50:100 mg/kg 85GDA2 5,193,81

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Mutation data reported. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x . Inhibits protein synthesis.

AJO550 CAS: 116978-88-2 HR: D
4-AMINO-3-((4-((2,4-DIHYDROXYPHENYL)
AZO)BENZOYL)AMINO)PHENYL) AZO)-5-
HYDROXY-6-((2-METHOXYPHENYL)AZO)-1-
NAPHTHALENESULFONIC ACID

mf: $C_{36}H_{28}N_8O_8S$ mw: 732.78

TOXICITY DATA with REFERENCE:

mic-sat 1 mg/plate MUTAEX 3,311,1988

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

AJO625 CAS: 102207-76-1 HR: 3
2-AMINO-4-DI-ISOBUTYLAMINOETHOXY
PYRIMIDINE

mf: $C_{14}H_{26}N_4O$ mw: 266.44

SYNS: 2-AMINO-4-(2-DIISOBUTYLAMINOETHOXY)PYRIMIDINE \square OR-1578

TOXICITY DATA with REFERENCE:

ipr-rat LD50:800 mg/kg AIPTAK 106,50,56

ipr-mus LD50:762 mg/kg AIPTAK 106,50,56

ivn-mus LD50:72 mg/kg AIPTAK 106,50,56

orl-dog LD50:2500 mg/kg AIPTAK 106,50,56

ivn-dog LD50:75 mg/kg AIPTAK 106,50,56

orl-rbt LD50:2000 mg/kg AIPTAK 106,50,56

ivn-rbt LD50:16 mg/kg AIPTAK 106,50,56

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

AJO750 CAS: 73747-29-2 HR: 3
**3-AMINO-2-(2-DIISOPROPYLAMINO)ETHOXY-
 BUTYROPHENONEDIHYDROCHLORIDE**

mf: $C_{18}H_{30}N_2O_2 \cdot 2ClH$ mw: 379.42

SYN: REC 7-0591

TOXICITY DATA with REFERENCE:

orl-rat LD50:238 mg/kg ARZNAD 16,1275,66
 scu-rat LD50:111 mg/kg ARZNAD 16,1275,66
 ivn-rat LD50:3 mg/kg ARZNAD 16,1275,66
 orl-mus LD50:42 mg/kg ARZNAD 16,1275,66
 ipr-mus LD50:38 mg/kg ARZNAD 16,1275,66
 scu-mus LD50:42 mg/kg ARZNAD 16,1275,66
 ivn-mus LD50:7800 µg/kg ARZNAD 16,1275,66
 ivn-cat LD50:5 mg/kg ARZNAD 16,1275,66

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

AJO800 CAS: 91480-90-9 HR: 3
1-(4-AMINO-5-(3,4-DIMETHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE

mf: $C_{15}H_{18}N_2O_3$ mw: 274.35

PROP: A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(3,4-DIMETHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(3,4-DIMETHOXYPHENYL)-2-METHYL-PYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AJP000 CAS: 19216-56-9 HR: 3
1-(4-AMINO-6,7-DIMETHOXY-2-QUINAZOLINYL-4-(2-FURANYLCARBONYL)) PIPERAZINE

mf: $C_{19}H_{21}N_5O_4$ mw: 383.45

PROP: Solid. Mp: 278–280°.

SYNS: FURAZOSIN □ 2-(4-(2-FUROYL)PIPERAZIN-1-YL)-4-AMINO-6,7-DIMETHOXYQUINAZOLINE □ PRAZOSIN

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:20 µg/kg:BPR,GIT AIMEAS 97,455,82
 orl-man TDLo:1143 µg/kg:BPR AMSVAZ 213,157,83
 orl-hmn TDLo:280 µg/kg:CNS,CVS BMJOAE 2,508,76
 orl-hmn TDLo:1260 µg/kg:CNS,KID BMJOAE 1,622,78

SAFETY PROFILE: Human systemic effects by ingestion of very small amounts: somnolence, hallucinations, distorted perceptions, changes in motor activity, decreased blood pressure, nausea or vomiting, and kidney effects. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x .

AJP125 CAS: 102207-77-2 HR: 3
2-AMINO-4-DIMETHYLAMINOETHOXY-PYRIMIDINE

mf: $C_8H_{14}N_4O$ mw: 182.26

SYNS: 2-AMINO-4-(2-

DIMETHYLAMINOETHOXY)PYRIMIDINE □ OR-1549

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 mg/kg AIPTAK 106,50,56
 ipr-rat LD50:75 mg/kg AIPTAK 106,50,56

ipr-mus LD50:478 mg/kg AIPTAK 106,50,56
 ivn-mus LD50:252 mg/kg AIPTAK 106,50,56
 orl-dog LD50:1500 mg/kg AIPTAK 106,50,56
 ivn-dog LD50:450 mg/kg AIPTAK 106,50,56
 orl-rbt LD50:3750 mg/kg AIPTAK 106,50,56
 ivn-rbt LD50:440 mg/kg AIPTAK 106,50,56

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

AJP250 CAS: 92-31-9 HR: 3
3-AMINO-7-DIMETHYLAMINO-2-METHYLPHENAZATHONIUM CHLORIDE

mf: $C_{15}H_{16}N_3S \cdot Cl$ mw: 305.85

PROP: Dark green powder with bronze luster. Sol in water giving a blue to violet soln.

SYNS: BLUTENE □ BLUTENE CHLORIDE □ C.I. 925 □ C.I. 52040 □ C.I. BASIC BLUE 17 □ DIMETHYLTOLUTHIONINE CHLORIDE □ F KLOT □ KLOT □ SCHULTZ No. 1041 □ TOLAZUL □ TOLONIUM CHLORIDE □ TOLUIDINE BLUE □ TOLUIDINE BLUE O □ TOLUIDENE BLUE O CHLORIDE

TOXICITY DATA with REFERENCE:

unr-man TDLo:43 mg/kg/6D:GIT,BLD 34ZIAG - 597,69

ipr-rat LD50:215 mg/kg AEPPAE 204,288,47

ivn-rat LD50:28,930 µg/kg SMBUA9 9,96,51

ivn-mus LD50:27,560 µg/kg SMBUA9 9,96,51

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

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Human systemic effects by an unspecified route: nausea or vomiting and blood effects. When heated to decomposition it emits very toxic fumes of Cl^- , SO_x , and NO_x .

AJP300 CAS: 2390-56-9 HR: 3
3-AMINO-7-(DIMETHYLAMINO)-5-PHENYL PHENAZINIUM CHLORIDE

mf: $C_{20}H_{19}N_4 \cdot Cl$ mw: 350.88

SYNS: BASIC VIOLET 5 □ C.I. 50205 □ C.I. BASIC VIOLET 5 □ DIMETHYLPHENOSAFRANINE □ METHYLENE VIOLET BN □ METHYLENE VIOLET 3RD □ PHENAZINIUM, 3-AMINO-7-(DIMETHYLAMINO)-5-PHENYL-, CHLORIDE □ SAFRANIN BLUISH □ SAFRANINE 6B □ SAFRANINE 8B

TOXICITY DATA with REFERENCE:

ipr-mus TDLo:46 mg/kg/4D-I BJPCAL 7,494,52

ivn-mky TDLo:60 mg/kg/9D-I BJPCAL 7,494,52

orl-rbt TDLo:600 mg/kg/4D-I BJPCAL 7,494,52

ivn-rbt TDLo:50 mg/kg/10D-I BJPCAL 7,494,52

SAFETY PROFILE: A poison by ingestion, intraperitoneal, and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

AJQ100 CAS: 109-55-7 HR: 3
1-AMINO-3-DIMETHYLAMINOPROPANE

mf: $C_5H_{14}N_2$ mw: 102.21

$(CH_3)_2N(CH_2)_3NH_2$

PROP: Colorless liquid. Mp: <−70°, bp: 132–135°, flash p: 100°F (OC), d: 0.8100 @ 30°, vap press: 10 mm @ 30°, vap d: 3.52.

SYNS: N,N-DIMETHYL-N-(3-AMINOPROPYL)AMINE □ 3-(DIMETHYLAMINO)PROPYLAMINE □ N,N-DIMETHYL-1,3-DIAMINOPROPANE □ N,N-DIMETHYL-1,3-PROPANEDIAMINE □ N,N-DIMETHYL-1,3-PROPYLENEDIAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62
eye-rbt 5 mg MOD UCDS** 12/15/71
orl-rat LDLo:1870 mg/kg AIHAAP 23,95,62
skn-rbt LD50:600 µL/kg UCDS** 12/15/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and eye irritant. Very flammable when exposed to heat, flame, or oxidizers. Reaction with 1,2-dichloroethane produces explosive acetylene gas. This and other amines ignite on contact with cellulose nitrate of high surface area. To fight fire, use alcohol foam, CO₂, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AMINES.

**AJQ250 CAS: 553-24-2 HR: 3
AMINODIMETHYLAMINOTOLUAMINOZINE
HYDROCHLORIDE**

mf: C₁₅H₁₆N₄•ClH mw: 288.81

PROP: Black or very dark green powder. Mp: 290° (decomp). Sol in H₂O and EtOH.

SYNS: 3-AMINO-7-DIMETHYLAMINO-2-METHYLPHENAZINE HYDROCHLORIDE □ 3-AMINO-7-(DIMETHYLAMINO)-2-METHYL-PHENAZINE MONOHYDROCHLORIDE □ C.I. 50040 □ C.I. BASIC RED 5 □ C.I. BASIC RED 5, MONOHYDROCHLORIDE □ KERNECHTROT □ MICHROME No. 226 □ NEUTRAL RED □ NEUTRAL RED CHLORIDE □ NEUTRAL RED W □ NUCLEAR FAST RED □ TOLUYLENE RED □ N⁽⁸⁾,N⁽⁹⁾,3-TRIMETHYL-2,8-PHENAZINEDIAMINE MONOHYDROCHLORIDE

TOXICITY DATA with REFERENCE:

cyt-ckn-par 85 µg/kg 47JMAE -,137,82
mma-sat 10 µg/plate MUREAV 48,109,77
mmo-esc 2500 ppt/3H AMNTA4 85,119,51
ivn-rat LD50:112 mg/kg FEPA7 10,337,51
ivn-mus LD50:142 mg/kg FEPA7 10,337,51
ivn-rbt LD50:96,600 µg/kg SMBUA9 9,96,51

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

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

**AJQ300 CAS: 130005-62-8 HR: D
6-AMINO-5,8-DIMETHYL-9H-CARBAZOL-3-OL**

mf: C₁₄H₁₄N₂O mw: 226.30

SYNS: 9H-CARBAZOL-3-OL, 6-AMINO-5,8-DIMETHYL- □ 1,4-DIMETHYL-6-HYDROXY-3-AMINOCARBAZOLE

TOXICITY DATA with REFERENCE:

mic-sat 30 µLg/plate MUREAV 389,247,1997

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

**AJQ500 CAS: 21554-20-1 HR: 3
4-AMINO-3',5'-DIMETHYL-4'-HYDROXY
AZOBENZENE**

mf: C₁₄H₁₅N₃O mw: 241.32

TOXICITY DATA with REFERENCE:

ipr-rat LD50:350 mg/kg AABIAV 52,33,63

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

**AJQ510 CAS: 155789-81-4 HR: D
2-AMINO-1,5-DIMETHYLIMIDAZO(4,5-B)
PYRIDINE**

mf: C₈H₁₀N₄ mw: 162.19

SYN: 1H-IMIDAZO(4,5-B)PYRIDIN-2-AMINE, 1,5-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

**AJQ520 CAS: 132898-04-5 HR: D
2-AMINO-1,6-DIMETHYLIMIDAZO(4,5b)-
PYRIDINE**

mf: C₈H₁₀N₄ mw: 162.19

SYN: 1H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 1,6-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

**AJQ530 CAS: 155789-83-6 HR: D
2-AMINO-3,5-DIMETHYLIMIDAZO(4,5-
b)PYRIDINE**

mf: C₈H₁₀N₄ mw: 162.19

SYN: 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3,5-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

**AJQ600 CAS: 77094-11-2 HR: 3
2-AMINO-3,4-DIMETHYLIMIDAZO(4,5-f)
QUINOLINE**

mf: C₁₂H₁₂N₄ mw: 212.28

PROP: Solid. Mp: 296–298° (sealed tube).

SYNS: 3,4-DIMETHYL-3H-IMIDAZO(4,5-f)QUINOLIN-2-AMINE □ MeIQ

TOXICITY DATA with REFERENCE:

mma-sat 100 ng/plate CRNGDP 7,273,86
slt-dmg-orl 100 ng/kg JJCREP 76,468,85
dns-rat:lng 3 µmol/L ENMUDM 7,245,85
dnd-mus:leu 100 µmol/L MUREAV 144,57,85
dns-ham:lng 3 µmol/L ENMUDM 7,245,85
msc-ham:lng 25 mg/L MUREAV 118,91,83
dns-gpg:lng 10 µmol/L ENMUDM 7,245,85

CONSENSUS REPORTS: IARC Cancer Review:

Group 2B IMEMDT 56,197,93; Animal Sufficient Evidence IMEMDT 56,197,93; Animal Inadequate Evidence IMEMDT 40,275,86; Human No Adequate Data IMEMDT 40,275,86; Human Inadequate Evidence IMEMDT 56,197,93.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Mutation data reported.

When heated to decomposition it emits toxic fumes of NO_x.

AJQ675 CAS: 77500-04-0 HR: 3
2-AMINO-3,8-DIMETHYLIMIDAZO(4,5-f)-QUINOXALINE

mf: C₁₁H₁₁N₅ mw: 213.27

PROP: Crystals. Mp: 295–300° (sealed tube).

SYNS: 2-AMINO-3,8-DIMETHYL-3H-IMIDAZO(4,5-f)QUINOXALINE □ 3,8-DIMETHYL-3H-IMIDAZO(4,5-f)QUINOXALIN-2-AMINE

TOXICITY DATA with REFERENCE:

mma-sat 5 ng/plate MUREAV 144,131,85

slt-dmg-orl 100 ng/kg JJCREP 76,468,85

msc-ham:ovr 300 mg/L MUTAEX 2,483,87

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 56,211,93; Animal Sufficient Evidence IMEMDT 56,211,93; Animal Inadequate Evidence IMEMDT 40,283,86; Human No Adequate Data IMEMDT 40,283,86; Human Inadequate Evidence IMEMDT 56,211,93.

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

AJQ750 HR: 3
2-AMINO-6-DIMETHYL-4-(p-(p-((1-METHYL PYRIDINIUM-3-YL)CARBAMOYL) PHENYL) CARBABENZAMIDO)ANILINO) PYRIMIDINIUM, DIIODIDE

mf: C₃₃H₃₂N₈O₃•2I mw: 842.53

TOXICITY DATA with REFERENCE:

dnd-mus:lym 840 nmol/L JMCMA 22,134,79

ipr-mus LD10:20 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 I⁻ and NO_x.

AJR000 CAS: 4302-87-8 HR: 3
p-AMINO-N,α-DIMETHYLPHENETHYLAMINE

mf: C₁₀H₁₆N₂ mw: 164.28

SYNS: 1-(p-AMINOPHENYL)-2-METHYLAMINOPROPAN (GERMAN) □ α-(4-AMINOPHENYL)-β-METHYLAMINO-PROPANE □ 1-(p-AMINOPHENYL)-2-METHYLAMINOPROPANE

TOXICITY DATA with REFERENCE:

orl-rat LD50:300 mg/kg AEPPAE 195,647,40

ipr-rat LDLo:85 mg/kg AEPPAE 195,647,40

scu-rat LD50:280 mg/kg AIPTAK 159,442,66

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

AJR100 CAS: 56464-19-8 HR: 3
1-(4-AMINO-1,2-DIMETHYL-5-PHENYL-1H-PYRROL-3-YL)ETHANONE

mf: C₁₄H₁₆N₂O mw: 228.32

PROP: A liquid.

SYNS: 4-AMINO-1,2-DIMETHYL-5-PHENYLPYRROL-3-YLETHANONE □ ETHANONE, 1-(4-AMINO-1,2-DIMETHYL-5-PHENYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-1,2-DIMETHYL-5-PHENYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AJR200 CAS: 78168-93-1 HR: 2
1-AMINO-3-(2,2-DIMETHYLPROPYL)-6-(ETHYLTHIO)-1,3,5-TRIAZINE-2,4(1H,3H)-DIONE

mf: C₁₀H₁₈N₄O₂S mw: 258.38

SYNS: AMETRIDIONE □ SSH 0860 □ 1,3,5-TRIAZINE-2,4(1H,3H)-DIONE, 1-AMINO-3-(2,2-DIMETHYLPROPYL)-6-(ETHYLTHIO)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:3500 mg/kg ARTODN 54,275,83

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

AJR400 CAS: 31272-21-6 HR: 3
5-AMINO-1,3-DIMETHYL-4-PYRAZOLYL o-FLUOROPHENYL KETONE

mf: C₁₂H₁₂FN₃O mw: 233.27

SYNS: (5-AMINO-1,3-DIMETHYL-1H-PYRAZOL-4-YL)(2-FLUOROPHENYL)METHANONE □ KETONE, 5-AMINO-1,3-DIMETHYLPYRAZOL-4-YL o-FLUOROPHENYL □ METHANONE, (5-AMINO-1,3-DIMETHYL-1H-PYRAZOL-4-YL)(2-FLUORO PHENYL)- □ PD 71627

TOXICITY DATA with REFERENCE:

mma-sat 10 nmol/plate CRNGDP 7,2019,86

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic fumes of F⁻ and NO_x.

AJR500 CAS: 68808-54-8 HR: 3
3-AMINO-1,4-DIMETHYL-5H-PYRIDO(4,3-b)INDOLE ACETATE

mf: C₁₃H₁₃N₃•C₂H₄O₂ mw: 271.35

PROP: Pale-brown needles or small prisms from EtOAc. Mp: 252–262°.

SYNS: 1,4-DIMETHYL-5H-PYRIDO(4,3-b)INDOL-3-AMINE ACETATE □ 1,4-DIMETHYL-5H-PYRIDO(4,3-b)INDOL-3-AMINE MONOACETATE □ TRP-P-1 (ACETATE)

TOXICITY DATA with REFERENCE:

slt-dmg-orl 200 ppm MUREAV 122,315,83

mma-sat 1 µg/plate CPBTAL 26,611,78

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

AJR600 CAS: 7576-88-7 HR: D
6-AMINO-2,3-DIMETHYLQUINOXALINE

mf: C₁₀H₁₁N₃ mw: 173.24

SYNS: 2,3-DIMETHYL-6-QUINOXALINAMINE □ 6-QUINOXALINAMINE, 2,3-DIMETHYL-

TOXICITY DATA with REFERENCE:

mic-bac-sat 1 µmol/plate MUREAV 346,99,95

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

**AJR750 CAS: 35572-78-2 HR: 2
2-AMINO-4,6-DINITROTOLUENE**

mf: C₇H₇N₃O₄ mw: 197.17

PROP: Yellow crystals from water.

SYNS: 3,5-DINITRO-*o*-TOLUIDINE □ 2-METHYL-3,5-DINITROBENZENAMINE

TOXICITY DATA with REFERENCE:

mmo-sat 10 µg/plate ENMUDM 4,163,82

orl-rat LD50:1394 mg/kg NTIS** AD-A080-146

orl-mus LD50:1522 mg/kg NTIS** AD-A080-146

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. See also AMINES and NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits toxic fumes of NO_x.

**AJS000 CAS: 82-24-6 HR: D
1-AMINO-9,10-DIOXO-9,10-DIHYDRO-2-
ANTHRACENECARBOXYLIC ACID**

mf: C₁₅H₉NO₄ mw: 267.25

PROP: Red needles from PhNO₂. Mp: 291°.

SYN: 1-AMINO-2-CARBOXYLATE-4-NITRO-ANTHRAQUINONE

TOXICITY DATA with REFERENCE:

mmo-sat 50 µg/plate MUREAV 40,203,76

mma-sat 50 µg/plate MUREAV 40,203,76

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

**AJS100 CAS: 92-67-1 HR: 3
4-AMINODIPHENYL**

mf: C₁₂H₁₁N mw: 169.24

PROP: Leaflets or colorless crystals from alc (aq). Mp: 53°, bp: 302°, d: 1.160 @ 20°/20°, autoign temp: 842°F.

SYNS: *p*-AMINOBIPHENYL □ 4-AMINOBIPHENYL □ 4-AMINODIFENIL (SPANISH) □ *p*-AMINODIPHENYL □ BIPHENYL AMINE □ (1,1'-BIPHENYL)-4-AMINE □ *p*-BIPHENYL AMINE □ 4-BIPHENYLAMINE □ PARAAMINODIPHENYL □ *p*-PHENYL ANILINE □ XENYLAMIN (CZECH) □ XENYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 2 µg/plate ENMUDM 5(Suppl 1),3,83

dnd-esc 30 µmol/L MUREAV 89,95,81

msc-hmn:fbr 60 mg/L MUREAV 121,71,83

dnd-rat:lvrr 30 µmol/L SinJF# 26OCT82

dns-mus-orl 200 mg/kg MUREAV 125,291,84

orl-rat LD50:500 mg/kg JIHTAB 29,1,47

orl-mus TD:5460 µg/kg EJCDS 21,865,85

orl-rat LD50:500 mg/kg JIHTAB 29,1,47

orl-mus LD50:205 mg/kg EJCDS 21,865,85

ipr-mus LDLo:250 mg/kg CBCCT* 6,54,54

orl-dog LDLo:25 mg/kg SCIEAS 167,992,70

orl-rbt LD50:690 mg/kg JIHTAB 29,1,47

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 1 IMEMDT 7,91,87; Human Limited Evidence IMEMDT 1,74,72;

Animal Sufficient Evidence IMEMDT 1,74,72; Human Sufficient Evidence IMEMDT 28,151,82. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Community Right-To-Know List.

OSHA PEL: Cancer Suspect Agent

ACGIH TLV: Confirmed Human Carcinogen

DFG MAK: Human Carcinogen

SAFETY PROFILE: Confirmed human carcinogen with experimental carcinogenic and tumorigenic data. Poison by ingestion and intraperitoneal routes. Human mutation data reported. An irritant. Effects resemble those of benzidine. See also BENZIDINE. Slight to moderate fire hazard when exposed to heat, flames (sparks), or powerful oxidizers. To fight fire, use water spray, mist, dry chemical. When heated to decomposition it emits toxic fumes of NO_x. See also AROMATIC AMINES.

**AJS225 HR: 2
2-AMINODIPYRIDO(1,2-a:3',2'-d)IMIDAZOLE
HYDROCHLORIDE**

mf: C₁₀H₈N₄•ClH mw: 220.68

SYN: DIPYRIDO(1,2-a:3',2'-d)IMIDAZOLE, 2-AMINO-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

slt-dmg-orl 100 ng/kg JJCREP 76,468,85

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

**AJS250 CAS: 16268-87-4 HR: 3
2-AMINO-4,6-DIPYRROLIDINOTRIAZINE**

mf: C₁₁H₁₈N₆ mw: 234.35

TOXICITY DATA with REFERENCE:

orl-mus LD50:600 mg/kg JMCMA 13,1081,70

ivn-mus LD50:56 mg/kg CSLNX* NX#03988

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

**AJS500 CAS: 101-50-8 HR: 1
4-AMINO-3,4'-DISULFOAZOBENZENE**

mf: C₁₂H₁₁N₃O₆S₂ mw: 357.38

SYNS: 4-AMINOAZOBENZENE-3,4'-DISULFONIC ACID □ 6-AMINO-3,4'-AZODI-BENZENESULFONIC ACID □ 2-AMINO-5-((4-SULFOPHENYL)AZO)-BENZENESULFONIC ACID □ 4-(4-AMINO-3-SULFOPHENYLAZO)BENZENESULFONIC ACID □ KYSELINA 4-AMINOAZOBENZEN-3,4'-DISULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,192,72

orl-rat LD50:14,800 mg/kg 28ZPAK -,192,7

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also SULFONATES.

**AJS750 CAS: 146-37-2 HR: 3
4-AMINO-1-DODECYLQUINALDINIUM ACETATE**

mf: C₂₂H₃₅N₂•C₂H₃O₂ mw: 386.64**PROP:** Crystals from Me₂CO. Mp: 170–171°.**SYNS:** 1-DODECYL-4-AMINOQUINALDINIUM ACETATE □ N-DODECYL-4-AMINOQUINALDINIUM ACETATE □ LAUODIN □ LAUROLINIUM ACETATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:132 mg/kg JPPMAB 15,129,63

ipr-mus LD50:2 mg/kg JPPMAB 15,129,63

scu-mus LD50:30 mg/kg JPPMAB 15,129,63

ivn-mus LD50:6 mg/kg JPPMAB 15,129,63

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**AJS875 CAS: 54779-53-2 HR: D 9-AMINOELLIPTICINE**mf: C₁₇H₁₅N₃ mw: 261.35**SYN:** 5,11-DIMETHYL-6H-PYRIDO(4,3-b)CARBAZOL-9-AMINE**TOXICITY DATA with REFERENCE:**

mmo-sat 500 ng/plate CNREA8 43,3544,83

mma-sat 500 ng/plate CNREA8 43,3544,83

dnd-mus:leu 500 µg/L BCPCA6 28,345,79

msc-ham:ovr 100 µg/L CNREA8 43,3544,83

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**AJS900 CAS: 2697-65-6 HR: 3 2-AMINO-ETHANESELENOL HYDROCHLORIDE**mf: C₂H₇NSe•ClH mw: 160.52**SYN:** ETHANESELENOL, 2-AMINO-, HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:10 mg/kg JMCMAR 12,510,69

OSHA PEL: TWA 0.2 mg(Se)/m³**ACGIH TLV:** TWA 0.2 mg(Se)/m³**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x, Se, and HCl.**AJS950 CAS: 2697-60-1 HR: 3 2-AMINOETHANESELENOSULFURIC ACID**mf: C₂H₇NO₃SSe mw: 204.12**SYN:** SELENOSULFURIC ACID, 2-AMINOETHYL ESTER**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:18 mg/kg JMCMAR 12,510,69

OSHA PEL: TWA 0.2 mg(Se)/m³**ACGIH TLV:** TWA 0.2 mg(Se)/m³**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and Se.**AJT250 CAS: 60-23-1 HR: 3 2-AMINOETHANETHIOL**mf: C₂H₇NS mw: 77.16**PROP:** Crystals from alc. Mp: 99–100°. Sol in MeOH, EtOH; spar sol in water.**SYNS:** 2-AMINOETHYL MERCAPTAN □ BECAPTAN □ CISTEAMINA (ITALIAN) □ CYCSTEINAMINE □ CYSTEAMIDE □ CYSTEAMINE □ DECARBOXYCYSTEINE □ LAMBRATEN □ MEA □ MECRAMINE □ MERCAMINE □ MERCAPTAMINE □ β-

MERCAPTOETHYLAMINE □ (2-MERCAPTOETHYL)AMINE □ THIOETHANOLAMINE

TOXICITY DATA with REFERENCE:

pic-esc 50 mg/L APMBAY 12,234,64

cyt-ham:ovr 1 mmol/L CALEDQ 5,199,78

dns-ham:fbr 1 mmol/L CALEDQ 5,199,78

sce-ham:ovr 100 µmol/L MUREAV 68,351,79

ipr-rat LD50:232 mg/kg ARZNAD 5,421,55

scu-rat LD50:84 mg/kg OSDIAF 5,128,56

orl-mus LD50:625 mg/kg JMCMAR 18,798,75

ipr-mus LD50:250 mg/kg JMCMAR 12,510,69

scu-mus LD50:84 mg/kg OSDIAF 5,128,56

ivn-mus LD50:190 mg/kg CHDDAT 262,206,66

ivn-rbt LD50:150 mg/kg ARZNAD 5,421,55

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intravenous, subcutaneous, and intraperitoneal routes. Moderately toxic by ingestion. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**AJT500 CAS: 2937-53-3 HR: 3 2-AMINOETHANETHIOSULFURIC ACID**mf: C₂H₆NO₄S₂ mw: 172.21**SYN:** USAF EK-8413**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. See also AMINES and SULFATES. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**AJT750 CAS: 17026-81-2 HR: 2 3-AMINO-4-ETHOXYACETANILIDE**mf: C₁₀H₁₄N₂O₂ mw: 194.26**SYNS:** 2-AMINO-4-ACETAMINIFENETOL (CZECH) □ NCI-C01887**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg/24H MLD 28ZPAK -,115,72

mmo-sat 1 mg/plate ENMUDM 7(Suppl 5),1,85

mma-sat 33,300 ng/plate ENMUDM 7(Suppl 5),1,85

orl-rat LD50:631 mg/kg NCIMR* NIH-71-E-2144

CONSENSUS REPORTS: NTP Carcinogenesis Bioassay (feed): Clear Evidence: mouse NCITR* NCI-TR-112,78; Inadequate Studies: rat NCITR* NCI-TR-112,78. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. An eye irritant. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**AJU000 HR: 2 2-AMINO-3-ETHOXYCARBONYL-5-BENZYL-4,5,6,7-TETRAHYDROTHIENO (2,3c)-PYRIDINE HYDROCHLORIDE**mf: C₁₇H₂₀NO₂S•ClH mw: 338.90**SYNS:** ETHYL-2-AMINO-6-BENZYL-3-THIENO(2,3-c)PYRIDINECARBOXYLATE HYDROCHLORIDE □ Y-3642-HCl**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4750 mg/kg YKKZAJ 90(11),1439,70
 ipr-rat LD50:1520 mg/kg YKKZAJ 90(11),1439,70
 orl-mus LD50:2050 mg/kg YKKZAJ 90(11),1439,70
 ipr-mus LD50:620 mg/kg YKKZAJ 90(11),1439,70

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

AJU250 CAS: 929-06-6 HR: 2
2-AMINOETHOXYETHANOL

DOT: UN 3055

mf: C₄H₁₁NO₂ mw: 105.16

SYNS: 2-(2-AMINOETHOXY)ETHANOL □ DIGLYCOLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open SEV AMIHBC 4,119,51

eye-rbt 50 µg/24H SEV 85JCAE -,624,86

orl-rat LD50:5660 mg/kg AMIHBC 4,119,51

skn-rbt LD50:1190 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. Severe eye and skin irritant. Corrosive and a powerful irritant. When heated to decomposition it emits toxic fumes of NO_x.

AJU500 CAS: 118-28-5 HR: 1
5-AMINO-6-ETHOXY-2-NAPHTHALENE
SULFONIC ACID

mf: C₁₂H₁₃NO₄S mw: 267.32

SYNS: C.I. 38480 □ ETHOXY CLEVE'S ACID □ KYSELINA 1-AMINO-2-ETHOXYNAFTALEN-6-SULFONOVA (CZECH) □ KYSELINA ETHOXY-CLEVE-1,6 (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,191,72

orl-rat LD50:12 g/kg 28ZPAK -,191,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFONATES.

AJU625 CAS: 1501-84-4 HR: 3
1-(1-AMINOETHYL)ADAMANTANE HYDRO
CHLORIDE

mf: C₁₂H₂₁N•ClH mw: 215.80

PROP: Solid. Mp: 373–375° (sealed tube).

SYNS: EXP 126 □ JP 61 □ MERADAN □ MERADANE □ α-METHYL-1-ADAMANTANEMETHYLAMINE HYDROCHLORIDE □ α-METHYLTRICYCLO(3.3.1.1^{3,7})DECANE-1-METHANAMINE HYDROCHLORIDE □ REMANTADIN □ RIMANTADINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:640 mg/kg VOONAW 28(9),23,82

ipr-rat LD50:135 mg/kg KHFZAN 11(6),73,77

ipr-mus LD50:135 mg/kg PCJOAU 11,798,77

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

AJU700 CAS: 51505-90-9 HR: 2

((((2-(2-AMINOETHYL)AMINO)ETHYL)AMINO)METHYL)PHENOL

mf: C₁₁H₁₉N₃O mw: 209.33

SYNS: DIETHYLENETRIAMINOMETHYLPHENOL □

PHENOL, (((2-(2-AMINOETHYL)AMINO)ETHYL)AMINO)METHYL)- □ UP 583 □ UP-583D

TOXICITY DATA with REFERENCE:

orl-rat LD50:2300 mg/kg GTPZAB 34(12),56,90

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

AJU875 CAS: 25682-07-9 HR: 3
2-AMINOETHYLAMMONIUM PERCHLORATE

mf: C₂H₉ClN₂O₄ mw: 160.56

SAFETY PROFILE: Explodes upon heating. When heated to decomposition it emits toxic fumes of Cl⁻, NH₃, and NO_x. See also PERCHLORATES.

AJU900 CAS: 64604-91-7 HR: 2
N-(2-AMINOETHYL)-3,5-BIS(1,1-DIMETHYL
ETHYL)-4-HYDROXYBENZENE-
PROPANAMIDE

mf: C₁₉H₃₂N₂O₂ mw: 320.53

SYNS: BENZENEPROPANAMIDE, N-(2-AMINOETHYL)-3,5-BIS(1,1-DIMETHYLETHYL)-4-HYDROXY- □ F 25 □ FENOL 25 □ PHENOL 25

TOXICITY DATA with REFERENCE:

orl-rat LD50:1560 mg/kg GISAAA 49(2),92,1984

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

AJV000 CAS: 132-32-1 HR: 3
3-AMINO-9-ETHYLCARBAZOLE

mf: C₁₄H₁₄N₂ mw: 210.30

PROP: Solid. Mp: 98–100°. In cancer bioassay both free amine and hydrochloride salt were used. NCITR* NCI-CG-TR-93,78.

SYN: 3-AMINO-N-ETHYLCARBAZOLE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:150 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

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

AJV250 CAS: 6109-97-3 HR: 3
3-AMINO-9-ETHYLCARBAZOLE-
HYDROCHLORIDE

mf: C₁₄H₁₄N₂•ClH mw: 246.76

PROP: In cancer bioassay both free amine and hydrochloride salt used. NCITR* NCI-CG-TR-93,78.

SYN: NCI-C03043

TOXICITY DATA with REFERENCE:

mma-sat 1 µg/plate ENMUDM 5(Suppl 1),3,83

orl-rat LD50:234 mg/kg JPETAB 99,450,50

CONSENSUS REPORTS: NCI Carcinogenesis Bioassay Completed; Results Positive: mouse, rat NCITR* NCI-CG-TR-93,78.

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic data. Poison by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO_x and HCl.

AJV500 CAS: 1197-18-8 HR: 2
trans-4-AMINOETHYLCYCLOHEXANE-1-CARBOXYLIC ACID

mf: C₈H₁₅NO₂ mw: 157.24

PROP: Crystals from Me₂CO/EtOH (aq). Mp: 386–392° (decomp). Very spar sol in EtOH, and Et₂O.

SYNS: AMCHA □ trans-AMCHA □ AMIKAPRON □ trans-p-(AMINOMETHYL)CYCLOHEXANECARBOXYLICACID □ trans-1-AMINOMETHYLCYCLOHEXANE-4-CARBOXYLIC ACID □ trans-4-AMINOMETHYL-1-CYCLOHEXANECARBOXYLIC ACID □ AMSTAT □ ANVITOFF □ BAY 3517 □ CL 65336 □ CYCLOCAPRON □ DV-79 □ EMORHALT □ EXACYL □ FRENOLYSE □ HEXAPROMIN □ HEXATRON □ RIKAVARIN □ RP 18,429 □ SPIRAMIN □ TAMCHA □ TRANEX □ TRANEXAMIC ACID □ TRANHEXAMIC ACID □ TRANSAMLON □ UGUROL

TOXICITY DATA with REFERENCE:

orl-mus TDLo:9 mg/kg (female 7-12D post):REP OYYAA2 5,415,71

orl-rat TDLo:9 mg/kg (female 9-14D post):TER OYYAA2 5,415,71

orl-rat LD50:3000 mg/kg APTOA6 22,340,65
ipr-rat LD50:4200 mg/kg MEIEDD 10,1269,83
scu-rat LD50:4620 mg/kg NIIRDN 6,512,82
ivn-rat LD50:1200 mg/kg APTOA6 22,340,65
scu-mus LD50:5310 mg/kg NIIRDN 6,512,82
ivn-mus LD50:1350 mg/kg NIIRDN 6,512,82
ivn-dog LD50:1110 mg/kg NIIRDN 6,512,82

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes such as NO_x. A hemostatic agent.

AJV850 CAS: 63991-14-0 HR: 3
α-(1-AMINOETHYL)-2,4-DIMETHOXYBENZYL ALCOHOL HYDROCHLORIDE

mf: C₁₁H₁₇NO₃·ClH mw: 247.75

SYN: BENZYL ALCOHOL-α-(1-AMINOETHYL)-2,4-DIMETHOXY HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:320 mg/kg JPETAB 71,62,41
ivn-rbt LDLo:21 mg/kg JACSAT 53,4149,31

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

AJW000 CAS: 111-41-1 HR: 2
N-AMINOETHYLETHANOLAMINE
mf: C₄H₁₂N₂O mw: 104.18
HOC₂H₄NHC₂H₄NH₂

PROP: Colorless liquid. Bp: 243.7°, flash p: 216°F, d: 1.0304 @ 20°/20°, autoign temp: 695°F, vap press: <0.01

mm @ 20°, vap d: 3.59. Misc in H₂O, EtOH; spar sol in Et₂O.

SYNS: AMINOETHYL ETHANOLAMINE □ ETHANOL-ETHYLENE DIAMINE □ N-HYDROXYETHYL-1,2-ETHANEDIAMINE □ N-(β-HYDROXYETHYL)ETHYLENE DIAMINE □ N-(2-HYDROXYETHYL)ETHYLENEDIAMINE □ MONOETHANOLETHYLENEDIAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open JIHTAB 26,269,44
skn-rbt 445 mg open MLD UCDS** 11/29/63
eye-rbt 50 mg SEV UCDS** 7/19/65
mmo-sat 2800 µg/plate ENMUDM 9(Suppl 9),1,87
orl-rat LD50:3000 mg/kg UCDS** 7/19/65
skn-rat LD50:2250 mg/kg 85GMAT -,64,82
mmo-sat 2800 µg/plate ENMUDM 9(Suppl 9),1,87
orl-rat LD50:3 g/kg UCDS** 7/19/65
skn-rat LD50:2250 mg/kg 85GMAT -,64,82
ipr-rat LD50:120 mg/kg EVSSAV 2,289,68
ivn-rat LD50:417 mg/kg 85GMAT -,64,82
ims-rat LD50:2 g/kg 85GMAT -,64,82
orl-mus LD50:3550 mg/kg 85GMAT -,64,82
orl-rbt LD50: 2 g/kg 85GMAT -,64,82
orl-rat LD50:3 g/kg UCDS** 7/19/65
skn-rat LD50:2250 mg/kg 85GMAT -,64,82
ipr-rat LD50:120 mg/kg EVSSAV 2,289,68
scu-rat LD50:2250 mg/kg EVSSAV 2,289,68
ivn-rat LD50:417 mg/kg EVSSAV 2,289,68
ims-rat LD50:2 g/kg EVSSAV 2,289,68
orl-mus LD50:3550 mg/kg EVSSAV 2,289,68
orl-rbt LD50:2 g/kg EVSSAV 2,289,68
skn-rbt LD50:3560 µL/kg UCDS** 7/19/65
orl-gpg LD50:1500 mg/kg 85GMAT -,64,82
skn-gpg LD50:1800 mg/kg JIHTAB 26,269,44

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion, skin contact, and several other routes. A severe eye irritant and moderate skin irritant. Mutation data reported. Combustible. To fight fire, use alcohol foam, mist, dry chemical. As with other amines it ignites on contact with cellulose nitrate of high surface area. When heated to decomposition it emits toxic fumes of NO_x.

AJW250 HR: 3
6-AMINO-1-ETHYL-4-p-((p-((1-ETHYL PYRIDINIUM-4-YL)AMINO)2-AMINOPHENYL) CARBAMOYL)ANILINO)QUINOLINIUMDI- IODIDE

mf: C₃₁H₃₃N₇O•2I mw: 773.51

TOXICITY DATA with REFERENCE:

dnd-mus:lym 710 nmol/L JMCMAR 22,134,79
ipr-mus LD10:6500 µg/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 I⁻.

AJW500 CAS: 50309-16-5 HR: 3
6-AMINO-1-ETHYL-4-(p-(p-((1-ETHYL PYRIDINIUM-4-YL)AMINO)BENZAMIDO) ANILINO) QUINOLINIUM DIODIDE
mf: C₃₁H₃₂N₆O•2I mw: 758.49
TOXICITY DATA with REFERENCE:

dnd-mus:lym 600 nmol/L JMCMAR 22,134,79

ipr-mus LD10:9 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 Γ^- and NO_x .

AJW750 CAS: 42013-69-4 HR: 3
**6-AMINO-1-ETHYL-4-(p-((p-((1-ETHYL PYRIDIN-
 IUM-4-YL)AMINO)PHENYL) CARBAMOYL)
 ANILINOQUINOLINIUM) DIBROMIDE**

mf: $\text{C}_{31}\text{H}_{32}\text{N}_6\text{O}\cdot 2\text{Br}$ mw: 664.51**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 690 nmol/L JMCMAR 22,134,79

ipr-mus LD10:10 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 Br^- and NO_x .

AJX000 CAS: 61-54-1 HR: 3
3-(2-AMINOETHYL)INDOLE

mf: $\text{C}_{10}\text{H}_{12}\text{N}_2$ mw: 160.24

PROP: Needles from pet ether. Mp: 118° , bp: 137° @ 0.15 mm. Very spar sol in Et_2O , CHCl_3 , and C_6H_6 .

SYNS: (AMINO-2 ETHYL)-3-INDOLE (FRENCH) \square 1H-INDOLE-3-ETHANAMINE \square INDOL-3-ETHYLAMINE \square 2-(3-INDOLYL)ETHYLAMINE \square TRYPTAMINE

TOXICITY DATA with REFERENCE:ipr-rat LD50:223,200 $\mu\text{g}/\text{kg}$ JPMSAE 66(12),1962,77

ipr-mus LD50:100 mg/kg EJMCA5 9,453,74

scu-mus LD50:500 mg/kg DPHEAK 22,313,70

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

AJX250 CAS: 343-94-2 HR: 3
3-(2-AMINOETHYL)INDOLE HYDROCHLORIDE

mf: $\text{C}_{10}\text{H}_{12}\text{N}_2\cdot\text{ClH}$ mw: 196.70**PROP:** Needles from EtOH/EtOAc . Mp: 248° .

SYNS: β -INDOLAETHYLAMIN-CHLORHYDRAT (GERMAN) \square β -3-INDOLYLETHYLAMINE HYDROCHLORIDE \square INDOLE-3-ETHYLAMINE HYDROCHLORIDE \square β -INDOLE-ETHYLAMINE HYDROCHLORIDE \square TRYPTAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:1300 mg/kg JPMRAB 2,77,27

ipr-mus LD50:197 mg/kg YKKZAJ 94,1620,74

scu-mus LD50:504 mg/kg RPTOAN 33,180,70

ivn-mus LD50:109 mg/kg BJPCAL 23,43,64

scu-rbt LDLo:1000 mg/kg JPMRAB 2,77,27

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AJX500 CAS: 50-67-9 HR: 3
3-(2-AMINOETHYL)INDOL-5-OL

mf: $\text{C}_{10}\text{H}_{12}\text{N}_2\text{O}$ mw: 176.24

SYNS: 3-(β -AMINOETHYL)-5-HYDROXYINDOLE \square ANTEMOQUA \square ANTEMOVIS \square DS SUBSTANDE \square ENTERAMINE \square HIPPOPHAIN \square 5-HT \square 5-HTA \square 5-

HYDROXY-3-(β -AMINOETHYL)INDOLE \square 5-HYDROXY-TRYPTAMINE \square SEROTONIN \square SUBSTANCE DS \square SUBSTANZ DS \square THROMBOCYTIN \square THROMBOTONIN

TOXICITY DATA with REFERENCE:

scu-rat LD50:285 mg/kg PSCBAY 2,17,63

ivn-rat LD50:30 mg/kg PSCBAY 2,17,63

orl-mus LD50:60 mg/kg MZUA8 (3),61,85

ipr-mus LD50:160 mg/kg IJPPAZ 17,31,73

scu-mus LD50:601 mg/kg FEPRA7 23,T125,64

ivn-mus LD50:81 mg/kg FATOAO 26,10,63

ims-mus LD50:750 mg/kg AIPTAK 112,319,57

ivn-mus LD50:81 mg/kg FATOAO 26,10,63

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

AJX750 CAS: 971-74-4 HR: 3
**3-(2-AMINOETHYL)INDOL-5-OL CREATININE
 SULFATE**

mf: $\text{C}_{10}\text{H}_{12}\text{N}_2\text{O}\cdot\text{C}_4\text{H}_7\text{N}_3\text{O}\cdot\text{H}_2\text{O}_4\text{S}\cdot\text{H}_2\text{O}$ mw: 405.48**PROP:** Plates. Mp: $214-216^\circ$ (decomp).

SYNS: CREATININE SULFATE compounded with 3-(2-AMINOETHYL)INDOLE-5-OL (1:1:1), MONOHYDRATE \square CREATININE SULFATE compounded with 3-(2-AMINOETHYL)INDOL-5-OL (1:1:1) \square 5-HYDROXYTRYPTAMINE CREATININE SULFATE \square 5-HYDROXYTRYPTAMINE CREATININE SULFATE MONOHYDRATE \square SEROTIN CREATININE SULFATE \square SEROTONIN CREATININE SULFATE MONOHYDRATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:257 mg/kg JPETAB 105,80,52

ivn-rat LD50:66 mg/kg JPETAB 105,80,52

ipr-mus LD50:405 mg/kg YKKZAJ 94,1620,74

ivn-mus LD50:352 mg/kg JPETAB 105,80,52

ivn-gpg LD50:28 mg/kg JPMSAE 57,1543,68

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. See also SULFATES. When heated to decomposition it emits very toxic fumes of SO_x and NO_x .

AJY000 CAS: 1704-04-7 HR: 3
**AMINOETHYLISELENOURONIUM BROMIDE
 HYDROCHLORIDE**

SYNS: 2-AMINOETHYLISELENOURONIUMBROMID-HYDROBROMID (GERMAN) \square MONOETHYLISELENOURONIUMBROMIDE-HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:51 mg/kg STRAAA 151,78,76

scu-mus LD50:50 mg/kg STRAAA 151,78,76

ivn-mus LD50:44 mg/kg STRAAA 151,78,76

CONSENSUS REPORTS: On Community Right-To-Know List.

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

AJY250 CAS: 56-10-0 HR: 3**2-β-AMINOETHYLISOTHIUREA**mf: C₃H₉N₃S•2BrH mw: 281.05**PROP:** Solid. Mp: 194–195°.

SYNS: AET □ AET BROMIDE □ AET DIHYDROBROMIDE □ AET-2HBR □ β-AMINOETHYL-ISOTHIURONIUM DIHYDROBROMID(GERMAN) □ 2-AMINOETHYL ESTER CARBAMIMIDO THIOIC ACID DIHYDROBROMIDE □ 2-(β-AMINOETHYL) ISOTHIURONIUM BROMIDE HYDROBROMIDE □ S-(β-AMINOETHYL)ISOTHIURONIUM BROMIDE HYDROBROMIDE □ S-(2-AMINOETHYL)ISOTHIURONIUM BROMIDE HYDROBROMIDE □ β-AMINOETHYLISOTHIURONIUM BROMIDE HYDROBROMIDE □ 2-AMINOETHYLISO THIURONIUM BROMIDE HYDROBROMIDE □ 2-AMINO ETHYLISOTHIURONIUM DIBROMIDE □ 2-AMINOETHYL ISOTHIURONIUM DIHYDROBROMIDE □ 2-(2-AMINOETHYL)- 2-THIOPSEUDOUREA HYDROBROMIDE □ ANTIRAD □

ANTIRADON □ SURRECTAN □ USAF XR-31

TOXICITY DATA with REFERENCE:

ipr-rat LD50:288 mg/kg AIPTAK 142,198,63

ivn-rat LD50:85 mg/kg CLCEAL 105,1165,66

ipr-mus LD50:400 mg/kg NTIS** AD277-289

ivn-mus LD50:96 mg/kg CLCEAL 105,1165,66

orl-dog LD50:177 mg/kg AIPTAK 142,510,63

ipr-dog LD50:113 mg/kg AIPTAK 142,510,63

ipr-rbt LD50:236 mg/kg AIPTAK 142,510,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AJY300 CAS: 63680-10-4 HR: 2**2-AMINOETHYLISOTHIURONIUM DIACETATE**mf: C₃H₉N₃S•2C₂H₄O₂ mw: 239.33

SYNS: PSEUDOUREA, 2-AMINOETHYL-2-THIO-, DIACETATE □ PSEUDOUREA, 2-THIO-, 2-AMINOETHYL-, DIACETATE □ 3,4,5,6-TETRAHYDRO-2-(α-ETHOXYBENZYL)-5-ETHYL-5-METHYL PYRIMIDINE □ USAF B-13

TOXICITY DATA with REFERENCE:

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

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

AJY500 CAS: 871-25-0 HR: 3**2-AMINOETHYLISOTHIURONIUMDICHLORIDE**mf: C₃H₉N₃S•2ClH mw: 192.13

SYNS: AET DICHLORIDE □ β-AMINOETHYLISOTHIURONIUM-CHLORID-HYDROCHLORIDE (GERMAN) □ S-β-AMINOETHYLISOTHIOURONIC DIHYDROCHLORIDE □ 2-AMINOETHYL-2-THIOPSEUDOUREA DICHLORIDE □ 2-(2-AMINOETHYL)-2-THIOPSEUDOUREA DIHYDROCHLORIDE □ USAF XR-32

TOXICITY DATA with REFERENCE:

par-rat LD50:325 mg/kg TXAPA9 1,8,59

ipr-mus LD50:250 mg/kg NTIS** AD277-689

par-mus LD50:400 mg/kg TXAPA9 1,8,59

par-dog LD50:110 mg/kg TXAPA9 1,8,59

scu-mus LD50:266 mg/kg ARZNAD 8,72,58

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

AJY750 CAS: 92-09-1 HR: 3**4-AMINO-N-ETHYL-m-(β-METHANESULFON AMIDOETHYL)-m-TOLUIDINE****TOXICITY DATA with REFERENCE:**

orl-rat LDLo:400 mg/kg KODAK* -,71

ipr-rat LDLo:10 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 SO_x and NO_x.

AJZ000 CAS: 22137-01-5 HR: 3**3-(2-AMINOETHYL)-5-METHOXYBENZOFURAN HYDROCHLORIDE**mf: C₁₁H₁₃NO₂•ClH mw: 227.71**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:6 mg/kg RPTOAN 33,246,70

ivn-mus LD50:55 mg/kg RPTOAN 33,246,70

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

AKA000 CAS: 28089-06-7 HR: 3**6-(β-AMINOETHYL)-5-METHOXYBENZO FURANHYDROCHLORIDE**mf: C₁₁H₁₂NO₂•ClH mw: 226.70**SYN:** 6-(2-AMINOETHYL)-5-METHOXYBENZOFURAN HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:48 mg/kg RPTOAN 33,246,70

ivn-mus LD50:60 mg/kg RPTOAN 33,246,70

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

AKA250 CAS: 63991-23-1 HR: 3**α-(1-AMINOETHYL)-4-METHOXYBENZYL ALCOHOL HYDROCHLORIDE**mf: C₁₀H₁₅NO₂•ClH mw: 217.72**SYN:** α-(1-AMINOETHYL)-4-METHOXYBENZYL ALCOHOL HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

scu-rat LDLo:160 mg/kg JPETAB 71,62,41

ivn-rbt LDLo:35 mg/kg JACSAT 53,4149,31

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

AKA500 CAS: 52479-18-2 HR: 3**2-(AMINOETHYL)-2-METHYL-1,3-BENZO DIOXOLE HYDROCHLORIDE**mf: C₁₀H₁₃NO₂•ClH mw: 215.70**SYN:** 2-AMINOETHYL-2-METHYL-1,3-BENZODIOXOLE HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:33 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.

AKA600 CAS: 56464-20-1 HR: 3
1-(4-AMINO-1-ETHYL-2-METHYL-5-PHENYL-1H-PYRROL-3-YL)ETHANONE

mf: C₁₅H₁₈N₂O mw: 242.35

PROP: A liquid.

SYNS: ETHANONE, 1-(4-AMINO-1-ETHYL-2-METHYL-5-PHENYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-1-ETHYL-2-METHYL-5-PHENYL)PYRROL-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.

AKA650 CAS: 75240-22-1 HR: D
3-AMINO-4-ETHYL-1-METHYL-5H-PYRIDO(4,3-B)INDOLE ACETATE

mf: C₁₄H₁₅N₃•C₂H₄O₂ mw: 285.38

SYNS: 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-4-ETHYL-1-METHYL-, ACETATE □ 5H-PYRIDO(4,3-B)INDOL-3-AMINE, 4-ETHYL-1-METHYL-, MONOACETATE

TOXICITY DATA with REFERENCE:

mic-sat 50 ng/plate CRNGDP 1,451,1980

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

AKA750 CAS: 2038-03-1 HR: 3
N-AMINOETHYLMORPHOLINE

mf: C₆H₁₄N₂O mw: 130.22

PROP: Liquid. Mp: 25.6°, bp: 204.2°, flash p: 347°F (OC), d: 0.9915 @ 20°/20°, vap d: 4.49.

SYNS: β-AMINOAEETHYL-MORPHOLIN (GERMAN) □ 4-MORPHOLINEETHANAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open JIHTAB 26,269,44

eye-rbt 50 µg/24H SEV 85JCAE -,888,86

orl-rat LD50:3000 mg/kg JIHTAB 26,269,44

scu-mus LD50:2145 mg/kg JIHTAB 26,269,44

skn-gpg LD50:300 mg/kg JIHTAB 26,269,44

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by skin contact.

Moderately toxic by ingestion and subcutaneous routes. A skin and severe eye irritant. Moderately flammable when exposed to heat, flame, or oxidizing materials. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

AKA800 CAS: 134855-87-1 HR: 2
4-(1-AMINOETHYL)PHENOL

mf: C₈H₁₁NO mw: 137.20

SYNS: PHENOL, 4-(1-AMINOETHYL)- □ C-01529

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg SEV NTIS** OTS0539162

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

AKA900 CAS: 5746-40-7 HR: D
S-(2-AMINOETHYL) PHOSPHOROTHIOATE

mf: C₂H₈NO₃PS mw: 157.14

SYNS: 2-AMINOETHANETHIOL DIHYDROGEN PHOSPHATE (ESTER) □ CYSTEAMINE S-PHOSPHATE □ ETHANETHIOL, 2-AMINO-, DIHYDROGEN PHOSPHATE (ESTER) □ PHOSPHO-CYSTEAMINE □ PHOSPHOROTHIOIC ACID, S-(2-AMINO-ETHYL)ESTER □ ETHANETHIOL, 2-AMINO-, S-ESTER WITH PHOSPHOROTHIOIC ACID □ WR 638

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

AKB000 CAS: 140-31-8 HR: 3
N-AMINOETHYLPIPERAZINE

DOT: UN 2815

mf: C₆H₁₅N₃ mw: 129.24

PROP: Light-colored liquid. D: 0.9852 @ 20°/20°, mp: -19°, bp: 220.4°, flash p: 200°F (OC), vap d: 4.4.

SYNS: AMINOETHYLPIPERAZINE □ N-(β-AMINOETHYL)PIPERAZINE □ N-(2-AMINOETHYL)PIPERAZINE □ 1-(2-AMINOETHYL)PIPERAZINE □ USAF DO-46

TOXICITY DATA with REFERENCE:

skn-rbt 100 µg/24H open AIHAAP 23,95,62

skn-rbt 5 mg/24H SEV 85JCAE -,864,86

eye-rbt 20 mg/24H MOD 85JCAE -,864,86

sce-ham:ovr 125 µg/L MUREAV 320,31,94

msc-ham:ovr 500 µg/L MUREAV 320,31,94

otr-mus:lym 1 µL/L ENMUDM 4,390,82

orl-rat LD50:2140 mg/kg AIHAAP 23,95,62

ipr-mus LD50:250 mg/kg NTIS** AD277-689

skn-rbt LD50:880 mg/kg UCDS** 6/13/69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. Experimental reproductive effects. A skin and eye irritant. Mutation data reported. See also AMINES. Moderately flammable when exposed to heat, flame, sparks, or powerful oxidizers. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of NO_x.

AKB050 CAS: 75240-09-4 HR: D
3-AMINO-1-ETHYL-5H-PYRIDO(4,3-B)INDOLE ACETATE

mf: C₁₃H₁₃N₃•C₂H₄O₂ mw: 271.35

SYNS: 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-1-ETHYL-, ACETATE □ 5H-PYRIDO(4,3-B)INDOL-3-AMINE, 1-ETHYL-, MONOACETATE

TOXICITY DATA with REFERENCE:

mic-sat 50 ng/plate CRNGDP 1,451,1980

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

AKB070 CAS: 75240-20-9 HR: D
3-AMINO-4-ETHYL-5H-PYRIDO(4,3-B)INDOLE

ACETATEmf: C₁₃H₁₃N₃ mw: 211.29**SYNS:** 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-4-ETHYL-, ACETATE □ 5H-PYRIDO(4,3-B)INDOL-3-AMINE, 4-ETHYL-, MONOACETATE**TOXICITY DATA with REFERENCE:**

mic-sat 50 ng/plate CRNGDP 1,451,1980

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**AKB125****HR: 2****5-AMINO-2-ETHYLTETRAZOL**mf: C₃H₇N₅ mw: 113.12**SAFETY PROFILE:** Forms an explosive complex with aluminum hydride. When heated to decomposition it emits toxic fumes of NO_x.**AKB250****CAS: 13073-35-3****HR: 2****2-AMINO-4-(ETHYLTHIO)BUTYRIC ACID**mf: C₆H₁₃NO₂S mw: 163.26**PROP:** Solid. Mp: 272–274°(decomp).**SYNS:** 1-2-AMINO-4-(ETHYLTHIO)BUTYRIC ACID □ ETHIONINE □ 1-ETHIONINE □ S-ETHYL-L-HOMOCYSTEINE**TOXICITY DATA with REFERENCE:**

dni-esc 2 g/L CYTOAN 50,387,85

dni-hmn:lym 2 mmol/L BBACAQ 520,139,79

otr-ham:emb 5 mg/L CRNGDP 4,291,83

orl-mus TDLo:44,100 mg/kg/2Y-C:CAR CRNGDP 7,1143,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.**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 SO_x.**AKB500****CAS: 3724-89-8****HR: 3****S-(2-AMINOETHYL)THIOPHOSPHATE MONO SODIUM SALT**mf: C₂H₇NO₃PS•Na mw: 179.12**SYNS:** 2-AMINO-ETHANETHIOL DIHYDROGEN PHOSPHATE(ester), MONOSODIUM SALT □ CISTAPHOS □ CYSTAPHOS □ CYSTAPHOS SODIUM SALT □ MONOSODIUM-β-AMINOETHYL THIOPHOSPHATE □ SODIUM HYDROGEN-S-(2-AMINOETHYL)PHOSPHOROTHIOATE □ SODIUM HYDROGEN-S-(2-AMINOETHYL)PHOSPHOROTHIOIC ACID □ WR 638**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:555 mg/kg RADOA8 16,249,76

ims-rat LD50:505 mg/kg RADOA8 16,249,76

orl-mus LD50:1433 mg/kg RADOA8 16,249,76

ipr-mus LD50:806 mg/kg RADOA8 16,249,76

ims-mus LD50:1003 mg/kg RADOA8 16,249,76

ipr-gpg LD50:358 mg/kg RADOA8 16,249,76

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and intramuscular routes. See also PHOSPHATES and ESTERS. When heated to decomposition it emits very toxic fumes of PO_x, SO_x, NO_x, and Na₂O.**AKB875****CAS: 3096-57-9****HR: D****2-AMINOFLUORENONE**mf: C₁₃H₉NO mw: 195.23**PROP:** Violet-red prisms from alc. Mp: 163°.**SYN:** 2-AMINO-9-FLUORENONE**TOXICITY DATA with REFERENCE:**

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

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

dns-rat:lvf 5 μmol/L ENMUDM 3,11,81

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**AKB900****CAS: 4269-15-2****HR: D****4-AMINOFLUORENONE**mf: C₁₃H₉NO mw: 195.23**PROP:** Red needles from alc. Mp: 140°. Very sol in EtOH, Et₂O, CHCl₃, and C₆H₆.**SYN:** 4-AMINO-9-FLUORENONE**TOXICITY DATA with REFERENCE:**

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

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

dns-rat:lvf 5 μmol/L ENMUDM 3,11,81

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**AKC000****CAS: 63019-67-0****HR: 2****2-AMINO-N-FLUOREN-2-YLACETAMIDE**mf: C₁₅H₁₄N₂O mw: 238.31**SYN:** 2-GLYCYLAMINOFLUORENE**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:1200 mg/kg/20W-I:ETA NATUAS 184,2018,59

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**AKC250****CAS: 1682-39-9****HR: 2****2-AMINO-5-FLUOROBENZOXAZOLE**mf: C₇H₅FN₂O mw: 152.14**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1000 mg/kg MDCHAG 4(1),338,64

orl-mus LD50:700 mg/kg MDCHAG 4(1),336,64

ipr-mus LD50:450 mg/kg MDCHAG 4(1),336,64

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**AKC500****CAS: 324-93-6****HR: 3****4-AMINO-4'-FLUORODIPHENYL**mf: C₁₂H₁₀FN mw: 187.23**PROP:** Leaflets from alc. Mp: 121°.**SYNS:** 4'-FLUORO-4-AMINODIPHENYL □ 4'-FLUORO-4-BIPHENYLAMINE**TOXICITY DATA with REFERENCE:**

mor-mus:emb 500 μg/L JJIND8 52,1167,74

orl-rat TDLo:300 mg/kg:CAR CNREA8 26,619,66

orl-mus TDLo:520 mg/kg/26W-I:NEO BJCAA1 19,297,65

orl-rat LDLo:300 mg/kg CNREA8 26,619,66

CONSENSUS REPORTS: EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by ingestion. Questionable carcinogen with experimental carcinogenic, neoplastigenic,

and tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of F^- and NO_x .

AKC550 CAS: 91480-89-6 HR: 3
1-(4-AMINO-5-(3-FLUOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE

mf: $C_{13}H_{13}FN_2O$ mw: 232.28

PROP: A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(3-FLUOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(3-FLUOROPHENYL)-2-METHYLPYRROL-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 and F^- .

AKC560 CAS: 56463-65-1 HR: 3
1-(4-AMINO-5-(4-FLUOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE

mf: $C_{13}H_{13}FN_2O$ mw: 232.28

PROP: A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(4-FLUOROPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(4-FLUOROPHENYL)-2-METHYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and F^- .

AKC570 CAS: 82560-54-1 HR: 3
AMINOFURACARB

mf: $C_{20}H_{30}N_2O_5S$ mw: 410.58

SYNS: β -ALANINE, N-(((2,3-DIHYDRO-2,2-DIMETHYL-7-BENZOFURANYLOXY)CARBONYLMETHYLAMINO)THIO)-N-(1-METHYLETHYL)-, ETHYL ESTER □ BENFURACARB □ FURACON □ OC-11588 □ OK 174 □ ONCOL □ ONCOL 5G

TOXICITY DATA with REFERENCE:

sln-smc 5 μ mol/L MUREAV 345,111,1995

mnt-ipr-mus 15 mg/kg MUREAV 345,111,1995

orl-rat LD50:105 mg/kg NNGADV 14,517,1989

ihl-rat LC50:240 mg/ m^3 /4H DEVEAA 38,3,1984

skn-rat LD50:>2 g/kg PEMNDP 9,57,1991

orl-mus LD50:102 mg/kg NNGADV 14,517,1989

scu-mus LD50:288 mg/kg 52UAA9 1,360,1983

orl-dog LD50:300 mg/kg PEMNDP 9,57,1991

SAFETY PROFILE: A poison by ingestion, inhalation and subcutaneous routes. Moderately toxic by skin contact. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and SO_x .

AKC600 CAS: 125-84-8 HR: 2
AMINOGLUTETHIMIDE

mf: $C_{13}H_{16}N_2O_2$ mw: 232.31

SYNS: p-AMINOGLUTETHIMIDE □ 2-(p-AMINOPHENYL)-2-ETHYLGLUTARIMIDE □ Ba-16038 □ CYTADREN □ ELIPTEN □ 3-ETHYL-3-(p-AMINOPHENYL)-2,6-DIOXOPIPERIDINE □

GLUTARIMIDE, 2-(p-AMINOPHENYL)-2-ETHYL- □ ORIMETEN □ 2,6-PIPERIDINEDIONE, 3-(4-AMINOPHENYL)-3-ETHYL-

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:20,500 mg/kg/94W-I:BLD BMJOAE 291,970,85

orl-man LDLo:21 mg/kg/3D-I:PUL AIMEAS 105,633,86

ipr-mus LD50:625 mg/kg JMCMA 18,736,75

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Human systemic effects by ingestion: agranulocytosis, dyspnea. Human teratogenic effects by ingestion: urogenital developmental abnormalities. When heated to decomposition it emits toxic fumes of NO_x .

AKC625 CAS: 23734-88-5 HR: 2
AMINOGLUTETHIMIDE PHOSPHATE

mf: $C_{13}H_{16}N_2O_2 \cdot H_3O_4P$ mw: 330.31

SYNS: AGP □ α -(p-AMINOPHENYL)- α -ETHYLGLUTARIMIDE PHOSPHATE □ 2-(p-AMINOPHENYL)-2-ETHYLGLUTARIMIDE PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1800 mg/kg PSEBAA 139,100,72

SAFETY PROFILE: Moderately toxic by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of PO_x and NO_x . An antisteroidogenic drug. See also PHOSPHATES.

AKC750 CAS: 79-17-4 HR: 2
AMINO GUANIDINE

mf: CH_6N_4 mw: 74.11

PROP: Crystalline. Mp: decomp. Sol in H_2O , and EtOH; insol in Et_2O .

SYNS: AMINATE BASE □ GUANYL HYDRAZINE □ HYDRAZINECARBOXIMIDAMIDE

TOXICITY DATA with REFERENCE:

scu-rat LD50:1258 mg/kg JPETAB 119,444,57

scu-mus LD50:963 mg/kg JPETAB 119,444,57

SAFETY PROFILE: Moderately toxic by subcutaneous route. See also AMINES. All of the oxoacid salts are potentially explosive. When heated to decomposition it emits toxic fumes of NO_x .

AKC800 CAS: 1937-19-5 HR: 2
AMINO GUANIDINE HYDROCHLORIDE

mf: $CH_6N_4 \cdot ClH$ mw: 110.57

SYNS: GUANIDINE, AMINO-, HYDROCHLORIDE □ GUANYLHYDRAZINE HYDROCHLORIDE □ HYDRAZINECARBOXIMIDAMIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:2984 mg/kg JPETAB 28,251,26

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of NO_x , HCl, and Cl^- .

AKD250 CAS: 2834-84-6 HR: 2
AMINO GUANIDINE SULFATE

mf: $CH_6N_4 \cdot H_2O_4S$ mw: 172.19

SYN: AMINO GUANIDINE SULPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:500 mg/kg JPETAB 90,260,47

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

AKD375 CAS: 10308-82-4 HR: 3
AMINO GUANIDINIUM NITRATE

mf: $\text{CH}_7\text{N}_5\text{O}_3$ mw: 137.1

SAFETY PROFILE: An unstable compound and powerful oxidizer. Aqueous solutions may explode violently when heated to evaporation. When heated to decomposition it emits toxic fumes of NO_x . See also NITRATES.

AKD500 CAS: 543-38-4 HR: 2
1,2-AMINO-4-(GUANIDINOXY)BUTYRIC ACID

mf: $\text{C}_5\text{H}_{12}\text{N}_4\text{O}_3$ mw: 176.21

PROP: Crystals from alc. Mp: 184° .

SYNS: 2-AMINO-4-(GUANIDINOXY)-1-BUTYRIC ACID □ o-((AMINOIMINOMETHYL)AMINO)-1-HOMOSERINE □ CANAVANIN □ 1-CANAVANINE

TOXICITY DATA with REFERENCE:

mno-omi 10 mg/L MUREAV 12,349,71
 dnd-hmn:hla 200 $\mu\text{mol/L}$ ECREAL 107,191,77
 dni-ham:oth 2200 $\mu\text{mol/L}$ JCLLAX 75,129,70
 ipr-rat LDLo:7 g/kg TXAPA9 91,395,87
 scu-rat LD50:5900 mg/kg TXAPA9 91,395,87

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

AKD550 CAS: 23181-80-8 HR: 2
7-AMINOHEPTANENITRILE

mf: $\text{C}_7\text{H}_{14}\text{N}_2$ mw: 126.23

SYNS: 7-AMINOHEPTANONITRILE □ HEPTANENITRILE, 7-AMINO-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg JPETAB 90,260,197

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

AKD600 CAS: 6411-75-2 HR: 3
2-AMINOHEPTANE SULFATE

mf: $\text{C}_{14}\text{H}_{34}\text{N}_2\cdot\text{H}_2\text{O}_4\text{S}$ mw: 328.58

PROP: Solid. Mp: $230-240^\circ$.

SYNS: 2-HEPTANAMINE SULFATE (2:1) □ 2-HEPTYLAMINE SULFATE □ 1-METHYLHEXYLAMINE SULFATE □ TUAMINE SULFATE □ TUAMINOHEPTANE SULFATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:60 mg/kg JPETAB 81,235,44
 ivn-rat LD50:47,300 $\mu\text{g/kg}$ JAPMA8 42,107,53
 ipr-mus LD50:163 mg/kg JPETAB 98,300,50
 scu-mus LD50:100 mg/kg JAPMA8 39,12,50
 ivn-mus LD50:16,300 $\mu\text{g/kg}$ JAPMA8 42,107,53

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

AKD625 CAS: 7790-12-7 HR: 2

7-AMINOHEPTANOIC ACID, ISOPROPYL ESTER

mf: $\text{C}_{10}\text{H}_{21}\text{NO}_2$ mw: 187.32

TOXICITY DATA with REFERENCE:

skn-rbt 100 $\mu\text{g/24H}$ open AIHAAP 23,95,62
 orl-rat LD50:4000 mg/kg AIHAAP 23,95,62
 skn-rbt LD50:890 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 NO_x . See also ESTERS.

AKD750 CAS: 2009-03-2 HR: 3
3-(7-AMINOHEPTYL)INDOLE ADIPATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:285 mg/kg RPTOAN 33,180,70
 ivn-mus LD50:79 mg/kg RPTOAN 33,180,70

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

AKD775 CAS: 90043-86-0 HR: 3
9-AMINO-2,3,5,6,7,8-HEXAHYDRO-1H-CYCLOPENTA(b)QUINOLINE

HYDROCHLORIDE HYDRATE

mf: $\text{C}_{12}\text{H}_{16}\text{N}_2\cdot\text{ClH}\cdot\text{H}_2\text{O}$ mw: 242.78

SYN: 2,3,5,6,7,8-HEXAHYDRO-9-AMINO-1H-CYCLOPENTA(b)QUINOLINE HYDROCHLORIDE HYDRATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:60 mg/kg BAXXDU #2125696
 orl-mus LD50:68 mg/kg BAXXDU #2125696
 ipr-mus LD50:44 mg/kg BAXXDU #2125696
 scu-mus LD50:52 mg/kg BAXXDU #2125696

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

AKD800 CAS: 4048-33-3 HR: 2
6-AMINOHEXANOL

mf: $\text{C}_6\text{H}_{15}\text{NO}$ mw: 117.22

SYNS: AMIDOHEXYLALCOHOL □ AMINOHEXYL ALCOHOL

TOXICITY DATA with REFERENCE:

scu-mus LDLo:3 g/kg AEXPBL 50,199,03

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

AKD875 CAS: 60145-64-4 HR: 3
3-AMINO-4-HOMOISOTWISTANE

mf: $\text{C}_{11}\text{H}_{19}\text{N}$ mw: 165.31

SYN: OCTAHYDRO-1,6-METHANONAPHTHALEN-1(2H)-AMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:550 mg/kg JKXXAF #78-50338
 ipr-mus LD50:102 mg/kg JKXXAF #78-50338
 ivn-mus LD50:40 mg/kg JKXXAF #78-50338

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

**AKD925 CAS: 102-56-7 HR: 3
AMINOHYDROQUINONE DIMETHYL ETHER**mf: C₈H₁₁NO₂ mw: 153.20**SYNS:** ANILINE, 2,5-DIMETHOXY- □ BENZENAMINE, 2,5-DIMETHOXY-(9CI) □ C.I. 35811 □ 2,5-DIMETHOXYANILINE □ 2,5-DIMETHOXYBENZENAMINE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:120 mg/kg GTPZAB 4(2),30,60

orl-brd LD50:100 mg/kg TXAPA9 21,315,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x.**AKE000 CAS: 4502-10-7 HR: 3
2-AMINO-3-HYDROXYACETOPHENONE**mf: C₈H₉NO₂ mw: 151.18**SYN:** 2-AMINO-3-HYDROXYPHENYL METHYL KETONE**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. See also KETONES. Flammable liquid. When heated to decomposition it emits toxic fumes of NO_x.**AKE250 CAS: 116-85-8 HR: 3
1-AMINO-4-HYDROXYANTHRAQUINONE**mf: C₁₄H₉NO₃ mw: 239.24**PROP:** Red-violet powder or pink plates from C₆H₆, violet needles from pet ether. Mp: 207–208°. Sol in water, HCl, alc, ether, and benzene.**SYNS:** 1A-40A □ ACETATE FAST RED 2B □ ACETOQUINONE LIGHT GOOSEBERRY RL □ ACETYLON FAST PINK B □ AMACEL PINK B □ 1-AMINO-4-HYDROXY-9,10-ANTHRACENE-DIONE □ 1-AMINO-4-OXYANTHRAQUINONE □ 9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-(9CI) □ ANTHRAQUINONE, 1-AMINO-4-HYDROXY- □ ARTISIL DIRECT RED 3BP □ ARTISIL RED 3BP □ CALCOSYN PINK B □ CELANTHRENE RED 3BN □ CELLITON FAST PINK BA-CF □ CELLITON FAST PINK BN □ CELUTATE PINK B □ CELUTATE PINK BN □ CELUTATE PINK BY □ CERVEN DISPERZNI 15 □ CIBACETE RED 3B □ CIBACET RED 3B □ CIBACET RED E3B □ CILLA FAST PINK BN □ C.I. 60710 □ C.I. DISPERSE RED 15 □ C.I. SOLVENT RED 53 □ DIACELLITON FAST PINK B □ DISPERSE FAST PINK B □ DISPERSE RED 15 □ DISPERSE RED 25 □ DISPERSOL ORANGE D-G □ DURANOL RED 2B □ FENACET FAST PINK B □ 1-HYDROXY-4-AMINOANTHRAQUINONE □ 4-HYDROXY-1-ANTHRAQUINONYLAMINE □ INTERCHEM ACETATE PINK BLF □ INTERCHEM HISPERSE PINK BH □ MICROSETILE PINK BN □ NACELAN PINK B □ NEOSETILE PINK BN □ ORACET RED 3B □ PARA M □ PERLITON PINK 3B □ SERISOL FAST RED 2B □ SETACYL PINK 3B □ SUPRACET BRILLIANT RED 2B**TOXICITY DATA with REFERENCE:**

mmo-sat 100 µg/plate MUREAV 40,203,76

mma-sat 100 µg/plate MUREAV 40,203,76

ipr-rat LD50:2700 mg/kg GTPZAB 21(12),27,77

ivn-mus LD50:56 mg/kg CSLNX* NX#00428

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal route. Mutation datareported. When heated to decomposition it emits toxic fumes of NO_x.**AKE500 CAS: 103-18-4 HR: 3
4-AMINO-4'-HYDROXYAZOBENZENE**mf: C₁₂H₁₁N₃O mw: 213.26**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1950 mg/kg AABIAV 52,33,63

ipr-rat LD50:300 mg/kg AABIAV 52,33,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x.**AKE750 CAS: 548-93-6 HR: 2
2-AMINO-3-HYDROXYBENZOIC ACID**mf: C₇H₇NO₃ mw: 153.15**PROP:** Leaflets from water. Mp: 164°.**SYNS:** 3-HYDROXYANTHRANILIC ACID □ 3-HYDROXY-ANTHRANILSAEURE (GERMAN) □ 3-OHAA □ 3-OXYANTHRANILIC ACID**TOXICITY DATA with REFERENCE:**

cyt-hmn:emb 30 mg/L BEXBAN 67,200,69

cyt-hmn:leu 100 mg/L TSITAQ 15,1505,73

imp-mus TDLo:160 mg/kg ANYAA9 108,924,63

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. An experimental teratogen. Human mutation data reported. When heated to decomposition it emits toxic fumes such as NO_x.**AKF000 CAS: 536-25-4 HR: 3
3-AMINO-4-HYDROXYBENZOIC ACID METHYL ESTER**mf: C₈H₉NO₃ mw: 167.18**PROP:** Light-brown needles from C₆H₆, AcOH, CHCl₃ or EtOH (aq). Mp: 142°.**SYNS:** AMINO BENZ □ ORTHOCAINE □ ORTHODERM □ ORTHOFORM**TOXICITY DATA with REFERENCE:**

orl-dog LDLo:1 g/kg HBAMAK 4,1289,35

ipr-dog LDLo:250 mg/kg HBAMAK 4,1289,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. See also ESTERS. When heated to decomposition it emits toxic fumes of NO_x.**AKF250 CAS: 73728-82-2 HR: 2
4-AMINO-3-HYDROXYBIPHENYL SULFATE**mf: C₁₂H₁₁NO•H₂O₄S mw: 283.32**SYNS:** 4-AMINO-3-BIPHENYLOL HYDROGEN SULFATE □ 3-HYDROXY-4-AMINODIPHENYL SULPHATE**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. See also SULFATES. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**AKF300 CAS: 66376-36-1 HR: D**

4-AMINO-1-HYDROXYBUTANE-1,1-DIYLDI-PHOSPHONIC ACIDmf: $C_4H_{13}NO_7P_2$ mw: 249.12

SYNS: ALENDRONATE □ ALENDRONIC ACID □ (4-AMINO-1-HYDROXYBUTYLIDENE)BISPHOSPHONIC ACID □ 4-AMINO-1-HYDROXYBUTYLIDENE-1,1-BIS(PHOSPHONIC ACID) □ 4-AMINO-1-HYDROXYBUTANE-1,1-DIPHOSPHONATE □ 4-AMINO-1-HYDROXYBUTANE-1,1-DIPHOSPHONIC ACID □ PHOSPHONIC ACID, (4-AMINO-1-HYDROXYBUTYLIDENE)BIS-

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

AKF375 CAS: 352-21-6 HR: 1 4-AMINO-3-HYDROXYBUTYRIC ACIDmf: $C_4H_8NO_3$ mw: 118.13

PROP: dl-Form: Crystals from dil alc. Decomp 218°. Sol in water; very sparingly sol in methanol, alc, ether, chloroform, ethyl acetate. d(+)-Form: Crystals from water. Decomp 214°. l(-)-Form: Crystals from water or water + ethanol. Decomp 212°.

SYNS: γ -AMINO- β -HYDROXYBUTYRIC ACID □ BUKSAMIN □ GABOB □ GABOMADE □ GAMIBETAL □ β -HYDROXY- α -AMINO BUTYRIC ACID □ β -OXY-GABA

TOXICITY DATA with REFERENCE:

ipr-rat LD50:7000 mg/kg NIIRDN 6,195,82
ipr-mus LD50:7000 mg/kg NIIRDN 6,195,82
scu-mus LD50:7000 mg/kg NIIRDN 6,195,82
ivn-mus LD50:7000 mg/kg NIIRDN 6,195,82
unr-mus LD50:7080 mg/kg BTMNA7 25,297,62

SAFETY PROFILE: Mildly toxic by several routes. When heated to decomposition it emits toxic fumes of NO_x . See also AMINES.

AKF500 CAS: 64058-65-7 HR: 2 3-AMINO-4-(2-HYDROXY)ETHOXYBENZEN-ARSONIC ACIDmf: $C_8H_{12}AsNO_5$ mw: 277.13**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:1700 mg/kg JPETAB 63,122,38
ims-rat LDLo:2000 mg/kg JPETAB 63,122,38

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Moderately toxic by intravenous and intramuscular routes. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and As.

AKF750 CAS: 64048-94-8 HR: 3 (3-AMINO-4-(2-HYDROXYETHOXY)PHENYL)-ARSINE OXIDEmf: $C_8H_{12}AsNO_3$ mw: 245.13**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:200 mg/kg JPETAB 63,122,38
ivn-rat LDLo:15 mg/kg JPETAB 63,122,38
ims-rat LDLo:16 mg/kg JPETAB 63,122,38

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by ingestion, intravenous, and intramuscular routes. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and As.

AKG000 CAS: 69226-39-7 HR: 1 4-AMINO-N-(2-HYDROXYETHYL)- α -TOLUENE SULFONAMIDEmf: $C_9H_{14}N_2O_3S$ mw: 230.31

SYN: N-HYDROXYETHYLAMID KYSELINY 4-AMINOTOLUEN-2-SULFONOVE (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,200,72
eye-rbt 100 mg/24H SEV 28ZPAK -,200,72
orl-rat LD50:8900 mg/kg 28ZPAK -,200,72

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

AKG250 CAS: 60573-88-8 HR: 3 α -AMINO-3-HYDROXY-5-ISOXAZOLEACETIC ACID HYDRATEmf: $C_5H_6N_2O_4 \cdot H_2O$ mw: 176.15

SYNS: α -AMINO-2,3-DIHYDRO-3-OXO-5-ISOXAZOLEACETIC ACID □ α -AMINO-3-HYDROXY-5-ISOXAZOLESSIGSAURE HYDRAT (GERMAN) □ AMINO-(3-HYDROXY-5-ISOXAZOLYL)-ACETIC ACID □ IBOTENIC ACID □ IBOTENSAURE (GERMAN) □ ISOTENIC ACID □ PRAMUSCIMOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:129 mg/kg ARZNAD 18,311,68
ivn-rat LD50:42 mg/kg ARZNAD 18,311,68
orl-mus LD50:38 mg/kg ARZNAD 18,311,68
ivn-mus LD50:15 mg/kg ARZNAD 18,311,68
scu-rbt LDLo:45 mg/kg AIPTAK 5,161,1899
scu-frg LDLo:4000 mg/kg AIPTAK 5,161,1899

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

AKG500 CAS: 4439-84-3 HR: 1 2-AMINO-5-HYDROXYLEVULINIC ACIDmf: $C_5H_9NO_4$ mw: 147.15

SYNS: 2-AMINO-5-HYDROXY-4-OXOPENTANOIC ACID □ H-899 □ HON □ Δ -HYDROXY- γ -OXO-L-NORVALINE □ 5-HYDROXY-4-OXO-NORVALINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:7600 mg/kg JAJAAA 14,39,61
scu-mus LD50:8000 g/kg JAJAAA 14,39,61
ivn-mus LD50:5200 mg/kg JAJAAA 14,39,61

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

AKH000 CAS: 90-20-0 HR: 1 4-AMINO-5-HYDROXY-2,7-NAPHTHALENE DISULFONIC ACIDmf: $C_{10}H_9NO_7S_2$ mw: 319.32

SYNS: C.I. 35570 □ H ACID □ KYSELINA 1-AMINO-8-NAFTOL-3,6-DISULFONOVA (CZECH) □ KYSELINA H (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,189,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKH250 CAS: 2007-20-7 HR: D
8-AMINO-7-HYDROXY-3,6-NAPHTHALENE DISULFONIC ACID, SODIUM SALT

mf: C₁₀H₇NO₇S₂•2Na mw: 363.28

SYNS: 1-AMINO-2-NAPHTHOL-3,6-DISULPHONIC ACID SODIUM SALT □ SODIUM SALT of 1-AMINO-2-NAPHTHOL-3,6-DISULPHONIC ACID

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and Na₂O. See also SULFONATES.

AKH500 CAS: 6837-93-0 HR: 1
4-AMINO-5-HYDROXY-2,7-NAPHTHALENE DISULFONIC ACID-p-TOLUENESULFONATE (ESTER)

mf: C₁₇H₁₅NO₉S₃ mw: 473.51

SYNS: 1-AMINO-3,6-DISULFO-8-NAFTYLESTER KYSELINA p-TOLUENSULFONOVA (CZECH) □ KYSELINA o-TOSYL-H (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,194,72

orl-rat LD50:11,500 mg/kg 28ZPAK -,194,72

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. See also ESTERS and SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKH750 CAS: 83-64-7 HR: 1
4-AMINO-5-HYDROXY-1-NAPHTHALENE SULFONIC ACID

mf: C₁₀H₉NO₄S mw: 239.26

PROP: Needles. Sol in water.

SYNS: AMINONAPHTHOL SULFONIC ACID S □ CHICAGO ACID S □ KYSELINA 1-AMINO-8-NAFTOL-4-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,188,72

orl-rat LD50:6210 mg/kg 28ZPAK -,188,72

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKH800 CAS: 90-51-7 HR: 2
6-AMINO-4-HYDROXY-2-NAPHTHALENE-SULFONIC ACID

mf: C₁₀H₉NO₄S mw: 239.26

SYNS: 2-NAPHTHALENESULFONIC ACID, 6-AMINO-4-HYDROXY- □ 1-NAPHTHOL-3-SULFONIC ACID, 7-AMINO-

TOXICITY DATA with REFERENCE:

ipr-mus LD :>500 mg/kg CBCCT* 6,59,54

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

AKI000 CAS: 87-02-5 HR: 1
7-AMINO-4-HYDROXY-2-NAPHTHALENE SULFONIC ACID

mf: C₁₀H₉NO₄S mw: 239.26

SYNS: AMINONAPHTHOL SULFONIC ACID J □ I ACID □ ISOGAMMA ACID □ KYSELINA 2-AMINO-5-NAFTOL-7-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,188,72

orl-rat LD50:11,500 mg/kg 28ZPAK -,188,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKI250 CAS: 96-93-5 HR: 1
3-AMINO-4-HYDROXY-5-NITROBENZENE SULFONIC ACID

mf: C₆H₆N₂O₆S mw: 234.20

PROP: Prisms from water.

SYN: KYSELINA 6-NITRO-2-AMINOFENOL-4-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,182,72

eye-rbt 20 mg/24H MOD 28ZPAK -,182,72

orl-rat LDLo:5360 mg/kg 28ZPAK -,182,72

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

AKI500 CAS: 63019-81-8 HR: 2
4-AMINO-3-HYDROXY-4'-NITRODIPHENYL HYDROCHLORIDE

mf: C₁₂H₁₀N₂O₃•ClH mw: 266.70

SYNS: 4-AMINO-4'-NITRO-3-BIPHENYLOL HYDROCHLORIDE □ 4'-NITRO-4-AMINO-3-HYDROXYDIPHENYL HYDROCHLORIDE □ 4'-NITRO-4-AMINO-3-HYDROXYDIPHENYL HYDROGEN CHLORIDE

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

AKI750 CAS: 17418-58-5 HR: 1
1-AMINO-4-HYDROXY-2-PHENOXYANTHRA QUINONE

mf: C₂₀H₁₃NO₄ mw: 331.34

SYNS: CERVEN BRILANTNI OSTACETOVA F-LB (CZECH) □ CERVEN DISPERZNI 60 □ C.I. DISPERSE RED 60 (8CI) □ C.I.

DISPERSE RED 71 □ C.I. DISPERSE RED 83 □ DISPERSE POLYESTER PINK 2S □ DISPERSE RED 60 □ DISPERSOL RED B 2B □ DURANOL BRILLIANT RED T 2B □ FORON BRILLIANT RED E 2BL □ HOSTATHERM PINK FBL □ LATYL CERISE N □ MIKETON POLYESTER RED FB □ OSTACET BRILLIANT RED E-LB □ PALANIL RED BF □ RESIREN RED TB □ RESOLIN RED FB □ RESOLIN RED FBE □ RESORIN RED FBE □ SAMARON PINK FBL □ SERILENE BRILLIANT RED 2BL □ SERILENE RED 2BL □ SUMIKARON RED E-FBL □ TERAPRINT □ TERSETILE RUBINE FL □ TRANSETILE RUBINE P-FL

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,239,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

AKI900 CAS: 102516-61-0 HR: 3
3-(((3-AMINO-4-HYDROXYPHENYL)PHENYL-ARSINO)THIO)ALANINE

mf: C₁₅H₁₇AsN₂O₃S mw: 380.32

SYN: ALANINE, 3-(((3-AMINO-4-HYDROXYPHENYL)PHENYLARSINO)THIO)-

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:40 mg/kg PHBUA9 2,19,54

OSHA PEL: TWA 0.5 mg(As)/m³

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

AKJ000 CAS: 58152-03-7 HR: 3
1-N-(S-3-AMINO-2-HYDROXYPROPIONYL)BETAMYCIN

mf: C₂₂H₄₃N₅O₁₂ mw: 569.70

PROP: Powder.

SYN: 1-N-(S-3-AMINO-2-HYDROXYPROPIONYL)GENTAMYCIN B

TOXICITY DATA with REFERENCE:

ipr-mus LD50:5000 mg/kg DRFUD4 4,525,79

ivn-mus LD50:330 mg/kg DRFUD4 4,525,79

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

AKJ250 CAS: 5423-12-1 HR: 2
3-AMINO-4(1-(2-HYDROXY)PROPOXY)BENZENEARSONIC ACID

mf: C₉H₁₄AsNO₅ mw: 291.16

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:2500 mg/kg JPETAB 63,122,38

ims-rat LDLo:3000 mg/kg JPETAB 63,122,38

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Moderately toxic by intravenous and intramuscular routes. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and As.

AKJ500 CAS: 63717-25-9 HR: 2
S-3-AMINO-2-HYDROXYPROPYL SODIUM HYDROGEN PHOSPHOROTHIOATE TETRAHYDRATE

mf: C₃H₉NO₄PS•Na•4H₂O mw: 281.23

TOXICITY DATA with REFERENCE:

orl-mus LD50:2500 mg/kg JMCMAR 18,803,75

ipr-mus LD50:2200 mg/kg JMCMAR 18,803,75

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x, PO_x, Na₂O, and SO_x.

AKJ750 CAS: 2835-95-2 HR: 2
4-AMINO-2-HYDROXYTOLUENE

mf: C₇H₉NO mw: 123.17

PROP: Plates from water. Mp: 161°.

SYNS: 5-AMINO-o-CRESOL □ 5-AMINO-2-METHYLPHENOL

TOXICITY DATA with REFERENCE:

mno-sat 333 µg/plate EMMUEG 11(Suppl 12),1,88

orl-rat LD50:3600 mg/kg FCTXAV 15,607,77

orl-qal LD50:750 mg/kg AECTCV 12,355,83

orl-rat LD50:3600 mg/kg FCTXAV 15,607,77

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

SAFETY PROFILE: Moderately toxic by ingestion.

Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. See also PHENOLS.

AKK000 CAS: 21644-95-1 HR: 3
4-AMINO-4'-HYDROXY-2,3',5'-TRIMETHYL AZOBENZENE

mf: C₁₅H₁₇N₃O mw: 255.35

TOXICITY DATA with REFERENCE:

orl-rat LDLo:600 mg/kg AABIAV 52,33,63

ipr-rat LD50:142 mg/kg AABIAV 52,33,63

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

AKK250 CAS: 360-97-4 HR: 2
5-AMINOIMIDAZOLE-4-CARBOXAMIDE

mf: C₄H₆N₄O mw: 126.14

PROP: Crystals from alc. Mp: 170–171°.

SYNS: AIC □ AICA □ Ba 2756 □ DIAZOL-C □ 5-IMIDAZOLECARBOXAMIDE, 4-AMINO-

TOXICITY DATA with REFERENCE:

mno-sat 10 µg/plate JTEHD6 2,1095,77

mno-esc 400 mg/L MUREAV 190,89,87

ipr-mus LD50:2 g/kg GANNA2 59,207,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion.

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

AKK625 CAS: 34879-34-0 HR: 2
5-AMINO-4-IMIDAZOLECARBOXAMIDE UREIDOSUCCINATE

mf: C₅H₈N₂O₅•CaH₆N₄O mw: 302.29

SYN: CARBAICA

TOXICITY DATA with REFERENCE:

ivn-rat LD50:1190 mg/kg DECRDP 6,471,80

ivn-mus LD50:640 mg/kg DECRDP 6,471,80

ivn-gpg LD50:440 mg/kg DECRDP 6,471,80

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

AKK750 CAS: 581-64-6 HR: 3
7-AMINO-3-IMINO-3H-PHENOTHIAZINEMONOHYDROCHLORIDE

mf: C₁₂H₉N₃S•ClH mw: 263.76

PROP: Blackish-green needles from HCl (aq). Sol in hot H₂O, and H₂SO₄; sltly sol in cold H₂O.

SYNS: 3,7-DIAMINOPHENOTHIAZIN-5-IUM CHLORIDE □
KATALYSIN □ LAUTSCHES VIOLETT (GERMAN) □ THIONIN
□ THIONINE

TOXICITY DATA with REFERENCE:

dnr-bcs 2 mg/disc TRENAP 27,153,76
ipr-rat LD50:215 mg/kg AEPPAE 204,288,47
ivn-rat LD50:7400 µg/kg SMBUA9 9,96,51
ipr-mus LD50:400 mg/kg NTIS** AD691-490
ivn-mus LD50:8030 µg/kg SMBUA9 9,96,51

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

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

AKL000 CAS: 2338-18-3 HR: 3
2-AMINOINDANE HYDROCHLORIDE

mf: C₉H₁₁N•ClH mw: 169.67

PROP: Crystals from HCl or EtOH. Mp: 234–239°.

SYNS: 2-AMINOINDAN HYDROCHLORIDE □ 2,3-DIHYDRO-1H-INDEN-2-AMINE HYDROCHLORIDE (9CI) □ 2-INDANYLAMINE HYDROCHLORIDE □ SU 8629 HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JPETAB 133,400,61
ipr-mus LD50:170 mg/kg JPETAB 133,400,61
scu-mus LD50:158 mg/kg JPETAB 133,400,61
orl-dog LDLo:50 mg/kg JPETAB 133,400,61

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

AKL100 CAS: 13935-78-9 HR: 3
AMINOINDANOL HYDROCHLORIDE

mf: C₉H₁₁NO•ClH mw: 185.67

SYN: 2-AMINO-1-HYDROXYHYDROINDENE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LD50:350 mg/kg AEPPAE 169,114,33
scu-mus LD50:800 mg/kg AEPPAE 169,114,33
scu-gpg LD50:400 mg/kg AEPPAE 169,114,33

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

AKL250 CAS: 64309-76-8 HR: D
5-AMINOINDAZOLE HYDROCHLORIDE

mf: C₈H₇N₃•ClH mw: 181.64

SYN: 5-AMINO-1H-IMIDAZOLE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

spm-rat-orl 1600 mg/kg/2W JRPFA4 50,371,77
spm-rat-scu 200 mg/kg JRPFA4 50,371,77

SAFETY PROFILE: Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

AKL500 CAS: 64037-13-4 HR: 3
2-AMINO-5-IODOBENZOXAZOLE

mf: C₇H₅IN₂O mw: 260.04

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg MDCHAG 4(1),338,64

orl-mus LD50:800 mg/kg MDCHAG 4(1),336,64
ipr-mus LD50:150 mg/kg MDCHAG 4(1),336,64

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

AKL600 CAS: 7285-77-0 HR: D
4-AMINO-4'-IODOBIPHENYL

mf: C₁₂H₁₀IN mw: 295.13

SYNS: (1,1'-BIPHENYL)-4-AMINE, 4'-IODO- □ 4'-IODO-(1,1'-BIPHENYL)-4-AMINE

TOXICITY DATA with REFERENCE:

mno-sat 25 nmol/plate MUREAV 320,45,94
cyt-mus-ipr 100 mg/kg MUREAV 320,45,94

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

AKL625 CAS: 550-28-7 HR: 2
AMINOISOMETRADIN

mf: C₉H₁₃N₃O₂ mw: 195.25

PROP: Crystals from water. Mp: 175°. Sol in EtOH, Me₂CO, and water (25°). Freely sol in alc and acetone; insol in ether.

SYNS: AMINOISOMETRADINE □ 6-AMINO-1-METALLYL-3-METHYLPYRIMIDINE-2,4-DIONE □ 6-AMINO-3-METHYL-1-(2-METHYLALLYL)-2,4(1H,3H)-PYRIMIDINEDIONE □ 6-AMINO-3-METHYL-1-(2-METHYLALLYL)URACIL □ 6-AMINO-3-METHYL-1-(2-METHYL-2-PROPENYL)-2,4(1H,3H)-PYRIMIDINEDIONE □ AMISOMETRADIN □ AMISOMETRADINE □ 1-METALLYL-3-METHYL-6-AMINOTETRAHYDOPYRIMIDINEDIONE □ ROLICTON

TOXICITY DATA with REFERENCE:

orl-rat LD50:1560 mg/kg AIPTAK 126,400,60
ipr-rat LD50:515 mg/kg AIPTAK 126,400,60
orl-mus LD50:610 mg/kg MEIEDD 10,73,83
ipr-mus LD50:415 mg/kg MEIEDD 10,73,83

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

AKL750 CAS: 55217-61-3 HR: 3
trans-1-AMINO-2-MERCAPTOMETHYLCYCLO BUTANEHYDROCHLORIDE

mf: C₅H₁₁NS•ClH mw: 153.69

SYN: (trans)-2-MERCAPTOMETHYLCYCLOBUTYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JMCMA 18,323,75
ipr-mus LD50:250 mg/kg JMCMA 18,323,75

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

AKM000 CAS: 2349-67-9 HR: 3
2-AMINO-5-MERCAPTO-1,3,4-THIADIAZOLE

mf: C₂H₃N₃S₂ mw: 133.20

PROP: Crystals from water. Mp: 233–234° (decomp).

SYNS: 5-AMINO-2-MERCAPTO-1,3,4-THIADIAZOLE □ 5-AMINO-1,3,4-THIADIAZOLE-2-THIOL □ 2-AMINO-1,3,4-

THIADIAZOLE-5-THIOL □ 2-AMINO- Δ^2 -1,3,4-
 THIADIAZOLINE-5-THIONE □ 5-AMINO-1,3,4-
 THIADIAZOLINE-2-THIONE □ 2-MERCAPTO-5-AMINO-1,3,4-
 THIADIAZOLE □ NSC-21402 □ USAF PD-25

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AKM125 CAS: 963-34-8 HR: 3
6-AMINOMETHAQUALONE

mf: C₁₆H₁₅N₃O mw: 265.34

SYNS: 6-AMINO-2-METHYL-3-(o-TOLYL)-1(3H)-QUINAZOLINONE □ HB-218 □ 2-METHYL-3-o-TOLYL-6-AMINO-CHINAZOLINON-4 (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:60 mg/kg ARZNAD 21,362,71

ipr-rat LD50:64 mg/kg ARZNAD 21,362,71

orl-mus LD50:125 mg/kg ARZNAD 21,362,71

ipr-mus LD50:91 mg/kg ARZNAD 21,362,71

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

AKM250 CAS: 10165-33-0 HR: 3
1-AMINO-2-METHOXYANTHRAQUINONE

mf: C₁₅H₁₁NO₃ mw: 253.27

PROP: Red crystals. Mp: 221–222°.

SYN: 1-A-2-MA (RUSSIAN)

TOXICITY DATA with REFERENCE:

mma-mus:lym 50 mg/L/4H NTIS** AD-A064-953

msc-mus:lym 200 mg/L/4H NTIS** AD-A064-953

ipr-rat LD50:300 mg/kg GTPZAB 21(12),27,77

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

AKM500 CAS: 120-35-4 HR: 3
3-AMINO-4-METHOXY BENZANILIDE

mf: C₁₄H₁₄N₂O₂ mw: 242.30

SYN: BENZANILIDE, 3-AMINO-4-METHOXY-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:320 mg/kg CSLNX* NX#01183

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AKM750 CAS: 5464-79-9 HR: 3
2-AMINO-4-METHOXYBENZOTHIAZOLE

mf: C₈H₈N₂OS mw: 180.24

SYN: 4-METHOXY-2-AMINO BENZOTHIAZOLE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/L CNREA8 39,682,79

orl-mus LD50:562 mg/kg JPETAB 105,486,52

ivn-mus LD50:46 mg/kg JPETAB 105,486,52

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits very toxic fumes as NO_x and SO_x.

AKN000 CAS: 64037-14-5 HR: 3
2-AMINO-5-METHOXYBENZOXAZOLE

mf: C₈H₈N₂O₂ mw: 164.18

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg MDCHAG 4(1),338,64

ipr-rat LD50:268 mg/kg MDCHAG 4(1),338,64

orl-mus LD50:1090 mg/kg MDCHAG 4(1),336,64

ipr-mus LD50:432 mg/kg MDCHAG 4(1),336,64

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

AKN250 CAS: 63040-25-5 HR: 2
4-AMINO-4'-METHOXY-3-BIPHENYLOL HYDROCHLORIDE

mf: C₁₃H₁₃NO₂•ClH mw: 251.73

SYN: 3-HYDROXY-4'-METHOXY-4-AMINODIPHENYL HYDROCHLORIDE

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

AKN500 CAS: 951-39-3 HR: 2
2-AMINO-3-METHOXYDIPHENYLENE OXIDE

mf: C₁₃H₁₁NO₂ mw: 213.25

SYN: 3-METHOXY-2-AMINODIPHENYLENE OXIDE

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

AKN750 CAS: 6504-77-4 HR: 3
4-AMINO-N-(2-METHOXYETHYL)-7-((2-METHOXYETHYL)AMINO-2-PHENYL)-6-PTERIDINE CARBOXAMIDE

mf: C₁₉H₂₃N₇O₃ mw: 397.49

SYN: WY 5256

TOXICITY DATA with REFERENCE:

orl-rat LD50:300 mg/kg TXAPA9 18,185,71

orl-mus LD50:250 mg/kg TXAPA9 18,185,71

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

AKN800 CAS: 78279-15-9 HR: D
2-AMINO-5-METHOXY-2'(or 3')-METHYLIN DIAMINE

mf: C₁₄H₁₆N₄O mw: 256.34

SYN: 1,4-BENZENEDIAMINE, N-(2-AMINO-4-IMINO-5-METHOXY-2,5-CYCLOHEXADIEN-1-YLIDENE)-ar-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 500 ng/plate JOPHDQ 4,269,1981

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

AKO000 CAS: 68772-17-8 HR: 2
6-AMINO-8-METHOXY-1-METHYL-4-(p-(p-((1-METHYLPYRIDINIUM-4-YL)AMINO) BENZ-

AMIDO)ANILINOQUINOLINIUM)-DI-p-TOLUENE SULFONATEmf: $C_{30}H_{30}N_6O_2 \cdot 2C_7H_7O_3S$ mw: 849.06**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 310 nmol/L JMCMA 22,134,79

ipr-mus LD10:56 mg/kg JMCMA 22,134,79

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x .

AKO100 CAS: 91480-88-5 HR: 3
1-(4-AMINO-5-(4-METHOXY-3-METHYLPHENYL) 2-METHYL-1H-PYRROL-3-YL)ETHANONE
mf: $C_{15}H_{18}N_2O_2$ mw: 258.35**PROP:** A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(4-METHOXY-3-METHYLPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(4-METHOXY-m-TOLYL)-2-METHYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AKO250 CAS: 68772-43-0 HR: 3
7-AMINO-4-(2-METHOXY-p-(p-((1-METHYL PYRIDINIUM-4-YL)AMINO) BENZAMIDO) ANILINO)-1-METHYL QUINOLINIUM)) DIBROMIDE
mf: $C_{30}H_{30}N_6O_2 \cdot 2Br$ mw: 666.48**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 690 nmol/L JMCMA 22,134,79

ipr-mus LD10:14 mg/kg JMCMA 22,134,79

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

AKO300 CAS: 78279-14-8 HR: D
2-AMINO-5-METHOXY-2'(OR 3')-METHYLINDO ANILINE
mf: $C_{14}H_{15}N_3O_2$ mw: 257.32

SYNS: 5-AMINO-4-((4-AMINOMETHYLPHENYL)IMINO)-2-METHOXY-2,5-CYCLOHEXADIEN-1-ONE □ 2,5-CYCLOHEXADIEN-1-ONE, 5-AMINO-4-((4-AMINOMETHYLPHENYL)IMINO)-2-METHOXY-

TOXICITY DATA with REFERENCE:

mic-sat 500 ng/plate JOPHDQ 4,269,1981

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

AKO350 CAS: 2379-90-0 HR: 1
1-AMINO-2-METHOXY-4-OXYANTHRAQUINONE
mf: $C_{15}H_{11}NO_4$ mw: 269.27

SYNS: ACETOQUINONE LIGHT PINK RLZ □ 1-AMINO-4-HYDROXY-2-METHOXY-9,10-ANTHRACENEDIONE □ 1-AMINO-4-HYDROXY-2-METHOXYANTHRAQUINONE □ 1A-2MO-4OA □ 9,10-ANTHRACENEDIONE, 1-AMINO-4-HYDROXY-2-METHOXY-(9CI) □ ANTHRAQUINONE, 1-AMINO-

4-HYDROXY-2-METHOXY- □ ARTISIL BRILLIANT PINK RFS □ CELLITON FAST PINK RF □ CELLITON FAST PINK RFA-CF □ CERVEN DISPERZNI 4 □ C.I. 60755 □ C.I. DISPERSE RED 4 □ CILLA FAST PINK RF □ DIANIX FAST PINK R □ DISPERSE PINK Zh □ DISPERSE RED-4 □ DISPERSE ROSE Zh □ ESTEROQUINONE LIGHT PINK RLL □ FENACET FAST PINK RF □ INTERCHEM ACETATE FAST PINK DNA □ MIKETON FAST PINK RL □ MIKETON POLYESTER PINK RL □ NYLOQUINONE PINK B □ PALANIL PINK RF □ PERILITON BRILLIANT PINK R □ SAMARON PINK RFL □ SUPRACET FAST PINK 2R

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg 85JCAE -,1329,86

ipr-rat LD50:1 g/kg GTPZAB 21(12),27,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AKO400 CAS: 91480-86-3 HR: 3
1-(4-AMINO-5-(3-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE
mf: $C_{14}H_{16}N_2O_2$ mw: 244.32**PROP:** A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(3-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(m-METHOXYPHENYL)-2-METHYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AKO430 CAS: 56463-62-8 HR: 3
1-(4-AMINO-5-(4-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE
PROP: A liquid.mf: $C_{14}H_{16}N_2O_2$ mw: 244.32

SYNS: ETHANONE, 1-(4-AMINO-5-(4-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(p-METHOXYPHENYL)-2-METHYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AKO450 CAS: 91481-03-7 HR: 3
1-(4-AMINO-5-(o-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)ETHANONE
mf: $C_{14}H_{16}N_2O_2$ mw: 244.32**PROP:** A liquid.

SYNS: ETHANONE, 1-(4-AMINO-5-(2-METHOXYPHENYL)-2-METHYL-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-5-(o-METHOXYPHENYL)-2-METHYLPYRROL-3-YL) METHYL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

AKO500 CAS: 80-35-3 HR: 2
4-AMINO-N-(6-METHOXY-3-PYRIDAZINYL)-
BENZENESULFONAMIDE

mf: C₁₁H₁₂N₄O₃S mw: 280.33

PROP: Yellowish-white powder. Mp: 182–183°. Insol in Et₂O; spar sol in H₂O.

SYNS: ALTEZOL □ 3-(p-AMINO BENZENESULFAMIDO)-6-METHOXYPYRIDAZINE □ 3-p-AMINO BENZENE SULPHONAMIDO-7-METHOXYPYRIDAZINE □ CL 13494 □ DAVOSIN □ DEPOVERNIL □ DUROX □ KINEKS □ KINEX □ KYNEX □ LEDERKYN □ LENTAC □ LISULFEN □ LONGIN □ MEDICEL □ N¹-(6-METHOXY-3-PYRIDAZINYL)SULFANILAMIDE □ 6-METHOXY-3-SULFANILAMIDOPYRIDAZINE □ MIDICEL □ MIDIKEL □ MYASUL □ MYLOSUL □ OPINSUL □ PARAMID □ PARAMID SUPRA □ PETRISUL □ PIRIDOLO □ QUINOSEPTYL □ RETAMID □ RETASULFIN □ RP 7522 □ SLOSUL □ SMOP □ SMP □ SPOFADAZINE □ SULFALEX □ 3-SULFA-6-METHOXYPYRIDAZINE □ SULFAMETOXIPYRIDAZINE □ 3-SULFANILAMIDE-6-METHOXYPYRIDAZINE □ 3-SULFANILAMIDO-6-METHOXYPYRIDAZINE □ 6-SULFANILAMIDO-3-METHOXYPYRIDAZINE □ SULFAPYRIDAZINE □ SULF DURAZIN □ SULFMETHOXIPYRIDAZINE □ SULFOZONA □ SULPHAMETHOXYPYRIDAZINE □ SULTIRENE □ SURIRENE □ VINCES

TOXICITY DATA with REFERENCE:

orl-rat TDLo:1200 mg/kg (9-14D preg):TER SEIJB0 13,7,73
 orl-rat TDLo:8400 mg/kg (male 6W pre):REP JRPFA4 81,259,87
 orl-rat LD50:2739 mg/kg ARZNAD 11,459,61
 orl-mus LD50:1750 mg/kg ARZNAD 15,144,65
 ipr-mus LD50:1200 mg/kg RPTOAN 37,223,74
 scu-mus LD50:4500 mg/kg ARZNAD 10,440,60
 scu-mus LD50:4500 mg/kg ARZNAD 10,440,60

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKO750 CAS: 3690-12-8 HR: 3
4-AMINO-2-METHOXY-5-PYRIMIDINEMETHANOL

mf: C₆H₉N₃O₂ mw: 155.1

SYNS: 4-AMINO-5-HYDROXYMETHYL-2-METHOXYPYRIMIDINE □ 4-AMINO-2-METHOXY-5-PYRIMIDINEMETHANOL □ BACIMETHRIN □ BACIMETHRINE □ BACIMETRIN □ 2-METHOXY-4-AMINO-5-HYDROXYMETHYL-PYRIMIDINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg 85ERAY 3,159,78
 ivn-mus LD50:300 mg/kg 85ERAY 3,159,78

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

AKP250 CAS: 1220-94-6 HR: 2
4-AMINO-1-METHYLAMINOANTHRAQUINONE

mf: C₁₅H₁₂N₂O₂ mw: 252.29

SYNS: ACETOQUINONE LIGHT VIOLET N □ AMACEL VIOLET 6B □ 1-AMINO-4-(METHYLAMINO)-9,10-ANTHRACENEDIONE □ 9,10-ANTHRACENEDIONE, 1-AMINO-4-(METHYLAMINO)-(9CI) □ CELLITON FAST VIOLET 6B □ CELLITON FAST VIOLET 6BA-CF □ C.I. 61105 □ CILLA FAST VIOLET 6B □ C.I. DISPERSE VIOLET 4 □ C.I. SOLVENT VIOLET 12 □ DIACELLITON FAST VIOLET BF □ DISPERSE FAST VIOLET B □ DISPERSE VIOLET 4S □ DISPERSOL VIOLET B □ DURANOL BRILLIANT VIOLET B □ FENACET FAST VIOLET 6B □ INTERCHEM ACETATE VIOLET 6B □ KAYALON FAST VIOLET BB □ 1-MA-4-AA □ MICROSETILE VIOLET B □ NACELAN VIOLET 4B □ ORACET VIOLET B □ ORACET VIOLET BN □ SERISOL FAST VIOLET 6B □ SUPRACET VIOLET 2B □ VIOLET DISPERZNI 4 □ VIOLET ROZPOUSTEDLOVA 12

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1000 mg/kg GTPZAB 21(12),27,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AKP500 CAS: 17463-44-4 HR: 2
dl-α-AMINO-β-METHYLAMINOPROPIONIC ACID

mf: C₄H₁₀N₂O₂ mw: 118.16

PROP: First isolated from seeds of *Cycas circinalis* (FEPA7 31,1473,72).

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:840 mg/kg FEPA7 31,1473,72
 ipr-mus LDLo:1680 mg/kg FEPA7 31,1473,72
 ipr-ckn LDLo:400 mg/kg FEPA7 31,1473,72

SAFETY PROFILE: Moderately toxic by intraperitoneal route. See also AMINES. When heated to decomposition it emits toxic fumes of NO_x.

AKP750 CAS: 82-28-0 HR: 3
1-AMINO-2-METHYLANTHRAQUINONE

mf: C₁₅H₁₁NO₂ mw: 237.27

SYNS: ACETATE FAST ORANGE R □ ACETOQUINONE LIGHT ORANGE JL □ 1-AMINO-2-METHYL-9,10-ANTHRACENEDIONE □ ARTISIL ORANGE 3RP □ CELLITON ORANGE R □ C.I. 60700 □ C.I. DISPERSE ORANGE 11 □ CILLA ORANGE R □ DISPERSE ORANGE □ DURANOL ORANGE G □ 2-METHYL-1-ANTHRAQUINONYLAMINE □ MICROSETILE ORANGE RA □ NCI-C01901 □ NYLOQUINONE ORANGE JR □ PERLITON ORANGE 3R □ SERISOL ORANGE YL □ SUPRACET ORANGE R

TOXICITY DATA with REFERENCE:

mut-mma-sat 33 µg/plate EMMUEG 11(Suppl 12),1,88
 orl-rat TDLo:30 g/kg/78W-C:CAR NCITR* NCI-CG-TR-111,78
 orl-mus TDLo:37 g/kg/73W-C:CAR NCITR* NCI-CG-TR-111,78
 orl-rat TD:39 g/kg/77W-C:NEO TOLED5 4,71,79
 orl-mus TD:307 g/kg/73W-C:ETA IARC** 27,199,82

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 27,199,82. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-111,78. Community Right-To-Know List. Reported in EPA TSCA Inventory.

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

AKQ000 CAS: 88-44-8 HR: 1
2-AMINO-5-METHYLBENZENESULFONIC ACID

mf: C₇H₉NO₃S mw: 187.23

PROP: Needles.

SYNS: 4-AMINOTOLUENE-3-SULFONIC ACID □ 6-AMINO-m-TOLUENESULFONIC ACID □ KYSELINA-4-TOLUIDIN-3-SULFONOVA (CZECH) □ PTMS □ PTMSA □ RED 4B ACID □ p-TOLUIDINE-m-SULFONIC ACID

TOXICITY DATA with REFERENCE:

orl-rat LD50:11,700 mg/kg 28ZPAK -,183,72

eye-rbt 500 mg/24H MOD 28ZPAK -,183,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKQ250 CAS: 565-33-3 HR: D
3-AMINO-4-METHYLBENZENESULFONYL CYCLOHEXYLUREA

mf: C₁₄H₂₁N₃O₃S mw: 311.44

PROP: Solid. Mp: 151°.

SYNS: 1-(3-AMINO-p-TOLYLSULFONYL)-3-CYCLOHEXYLUREA □ N-CYCLOHEXYL-N'-(3-AMINO-4-METHYLBENZENE SULFONYL)UREA □ EUGLYCIN □ GEIGY 444E □ GEIGY HERBICIDE 444E □ GLYHEXYLAMIDE □ GLYHEXYLAMINE ISODIANE □ MELANEX □ MELONEX □ METAHEXAMIDE □ METHAHEXAMIDE □ METHEXAMIDE □ 1,3,5-TRIAZINE-2,4-DIAMINE, 6-CHLORO-N,N,N',N'-TETRAETHYL- (9CI)

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

AKQ500 CAS: 1477-42-5 HR: 3
2-AMINO-4-METHYLBENZOTHAZOLE

mf: C₈H₈N₂S mw: 164.24

SYN: 4-METHYL-2-AMINO BENZOTHAZOLE

TOXICITY DATA with REFERENCE:

orl-mus LD50:697 mg/kg JPETAB 105,486,52

ivn-mus LD50:54 mg/kg JPETAB 105,486,52

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 SO_x and NO_x.

AKQ750 CAS: 64037-15-6 HR: 3
2-AMINO-5-METHYLBENZOXAZOLE

mf: C₈H₈N₂O mw: 148.18

TOXICITY DATA with REFERENCE:

orl-mus LD50:640 mg/kg MDCHAG 4(1),336,64

ipr-mus LD50:360 mg/kg MDCHAG 4(1),336,64

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

AKR000 CAS: 2454-37-7 HR: 2
3-AMINO-α-METHYLBENZYL ALCOHOL

mf: C₈H₁₁NO mw: 137.20

SYN: m-AMINO-α-METHYLBENZYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 85JCAE -,691,86

eye-rbt 500 mg open AMIHBC 10,61,54

orl-rat LD50:3100 mg/kg AMIHBC 10,61,54

skn-rbt LD50:3560 μL/kg AMIHBC 10,61,54

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

AKR100 CAS: 97205-35-1 HR: 3
4-AMINOMETHYL-1-BENZYLPIRROLIDIN-2-ONE FUMARATE (2:1)

mf: C₂₄H₃₂N₄O₂•C₄H₄O₄ mw: 524.68

SYNS: 4-(AMINOMETHYL)-1-(PHENYLMETHYL)-2-PYRROLIDINONE (E)-2-BUTENEDIOATE (2:1) □ 2-PYRROLIDINONE, 4-(AMINOMETHYL)-1-(PHENYLMETHYL)-, (E)-2-BUTENEDIOATE (2:1) □ WEB 1881 □ WEB 1881FU

TOXICITY DATA with REFERENCE:

orl-rat LD50:2884 mg/kg OYYAA2 44,417,1992

ivn-rat LD50:257 mg/kg OYYAA2 44,417,1992

ivn-mus LD :>100 mg/kg USXXAM #4931435

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

AKR250 HR: 3
8-((4-AMINO-1-METHYLBUTYL)AMINO)-6-METHOXYQUINOLINE DIPHOSPHATE

mf: C₁₅H₂₁N₃O•2H₃O₄P mw: 455.39

SYN: PRIMACHIN (GERMAN)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:60 mg/kg ARZNAD 20,1775,70

ivn-brd LD50:11 mg/kg ARZNAD 20,1775,70

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

AKR500 CAS: 21452-14-2 HR: 3
2-AMINO-4-METHYL-5-CARBOXANILIDO THIAZOLE

mf: C₁₁H₁₁N₂OS mw: 219.30

SYNS: ALF □ F 849 □ SEEDVAX □ SIDVAX □ UNIROYAL F849

TOXICITY DATA with REFERENCE:

orl-rat LD50:1410 mg/kg FMCHA2 -,C211,83

unr-mam LD50:141 mg/kg 30ZDA9 -,419,71

SAFETY PROFILE: Poison by an unspecified route. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AKR750 CAS: 2051-79-8 HR: 3
4-AMINO-3-METHYL-N,N-DIETHYLANILINEHYDROCHLORIDE

mf: C₁₁H₁₈N₂•ClH mw: 214.77

TOXICITY DATA with REFERENCE:

orl-rat LDLo:200 mg/kg KODAK* -,71

ipr-rat LD50:25 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.

AKS000 CAS: 4781-76-4 HR: 3
2-AMINOMETHYL-2,3-DIHYDRO-4H-PYRAN

mf: C₆H₁₁NO mw: 113.18

SYN: 2-AMINOMETHYL-3,4-DIHYDRO-2H-PYRAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1000 mg/kg AIHAAP 30,470,69

ihl-rat LCLo:100 ppm BJIMAG 27,1,70

skn-rbt LDLo:180 mg/kg AIHAAP 30,470,69

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

AKS100 CAS: 75679-01-5 HR: D
2-AMINO-4-METHYLDIPYRIDO(1,2-A:3',2'-D)IMIDAZOLE

mf: C₁₁H₂₀N₄ mw: 208.35

SYNS: DIPYRIDO(1,2-A:3',2'-D)IMIDAZOLE, 2-AMINO-4-METHYL- □ 4-ME-GLU-P-2

TOXICITY DATA with REFERENCE:

mic-sat 600 ng/plate CRNGDP 1,889,1980

dnd-unr-lym 10 μmol/L BBRC9 96,611,1980

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AKS250 CAS: 67730-11-4 HR: 3
2-AMINO-6-METHYLDIPYRIDO(1,2-a:3',2'd)-IMIDAZOLE

mf: C₁₁H₁₀N₄ mw: 198.25

PROP: Yellow prisms from MeOH/EtOAc.

SYNS: GLU-P-1 □ 6-ME-GLU-P-2 □ 6-METHYL DIPYRIDO(1,2-a:3',2'-d)IMIDAZOL-2-AMINE

TOXICITY DATA with REFERENCE:

mma-sat 250 ng/plate JJCREP 76,835,85

sce-hmn:lym 1000 μg/L MUREAV 77,65,80

dnd-mus-ipr 10 mg/kg JJCREP 76,835,85

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 40,223,86.

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

AKS275 HR: 2
2-AMINO-6-METHYLDIPYRIDO(1,2-a:3',2'd)-IMIDAZOLE HYDROCHLORIDE

mf: C₁₁H₁₀N₄•ClH mw: 234.71

SYN: DIPYRIDO(1,2-a:3',2'-d)IMIDAZOLE, 2-AMINO-6-METHYL-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

slt-dmg-orl 100 ng/kg JJCREP 76,468,85

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

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

AKS500 CAS: 31416-87-2 HR: 3
α-AMINOMETHYL-3-FLUOROBENZYL-ALCOHOL HYDROBROMIDE

mf: C₈H₁₀FNO•BrH mw: 236.11

SYN: 2-AMINO-1-(3-FLUOROPHENYL)ETHANOL HYDROBROMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:600 mg/kg JPETAB 106,440,52

ivn-mus LD50:180 mg/kg JPETAB 106,440,52

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of F⁻, Br⁻, and NO_x.

AKS750 CAS: 63765-80-0 HR: 3
4-AMINO-2-METHYL-3-HEXANOL

mf: C₇H₁₇NO mw: 131.25

SYN: USAF CS-4

TOXICITY DATA with REFERENCE:

ipr-hmn LDLo:25 mg/kg AMRL** -,5,62

ipr-mus LD50:25 mg/kg NTIS** AD277-689

SAFETY PROFILE: A human poison by intraperitoneal route. When heated to decomposition it emits toxic fumes such as NO_x.

AKT000 CAS: 536-21-0 HR: 3
α-(AMINOMETHYL)-m-HYDROXYBENZYL ALCOHOL

mf: C₈H₁₁NO₂ mw: 153.20

SYNS: 1-(m-HYDROXYPHENYL)-2-AMINOETHANOL □ 1-(3'-HYDROXYPHENYL)-2-AMINOETHANOL □ m-HYDROXYPHENYLETHANOLAMINE □ 1-(3-HYDROXYPHENYL)-1-HYDROXY-2-AMINOETHANE □ METACARDIOL □ NORENOL □ NORMETOL □ NORPHENYLEPHRINE □ NORSYNEPHRINE □ NOVADRAL □ m-OCTOPAMINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:390 mg/kg OYYAA2 2,217,68

ipr-rat LD50:32 mg/kg OYYAA2 2,217,68

scu-rat LD50:28,100 μg/kg OYYAA2 2,60,68

ivn-rat LD50:17,400 μg/kg OYYAA2 2,217,68

orl-mus LD50:263 mg/kg RPOBAR 2,295,70

ipr-mus LD50:198 mg/kg RPOBAR 2,295,70

scu-mus LD50:459 mg/kg RPOBAR 2,295,70

ivn-mus LD50:4900 μg/kg RPOBAR 2,295,70

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

AKT250 CAS: 104-14-3 HR: 3
α-(AMINOMETHYL)-p-HYDROXYBENZYL ALCOHOL

mf: C₈H₁₁NO₂ mw: 153.20

SYNS: 1-(p-HYDROXYPHENYL)-2-AMINOETHANOL □ p-HYDROXYPHENYLETHANOLAMINE □ NORDEN □ NORPHEN □ NORSYMPATHOL □ NORSYNEPHRINE □ OCTOPAMINE □ WIN 5512

TOXICITY DATA with REFERENCE:

ipr-mus LD50:600 mg/kg JPETAB 106,341,52
 scu-mus LDLo:1050 mg/kg APTAK 101,81,55
 ivn-mus LD50:75 mg/kg JPETAB 106,341,52
 ivn-gpg LDLo:200 mg/kg APTAK 101,81,55

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

AKT500 CAS: 4779-94-6 HR: 3
 α -AMINOMETHYL-3-HYDROXYBENZYL
ALCOHOL HYDROCHLORIDE

mf: C₈H₁₁NO₂•ClH mw: 189.66

SYN: WIN 5501

TOXICITY DATA with REFERENCE:

orl-rat LD50:390 mg/kg OYYAA2 4,561,70
 ipr-rat LD50:32 mg/kg OYYAA2 4,561,70
 scu-rat LD50:28 mg/kg OYYAA2 4,561,70
 orl-mus LD50:3300 mg/kg OYYAA2 4,561,70
 ipr-mus LD50:370 mg/kg JPETAB 106,440,52
 ivn-mus LD50:113 mg/kg JPETAB 106,440,52

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

AKT510 CAS: 178885-60-4 HR: D
2-AMINO-1-METHYLIMIDAZO(4,5-b)PYRIDINE

mf: C₇H₈N₄ mw: 148.17

SYN: 1H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 1-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AKT520 CAS: 30458-69-6 HR: D
2-AMINO-3-METHYLIMIDAZO(4,5-b)PYRIDINE

mf: C₇H₈N₄ mw: 148.17

SYN: 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AKT530 CAS: 102408-25-3 HR: D
2-AMINO-1-METHYLIMIDAZO(4,5-f)QUINOLINE

mf: C₁₁H₁₀N₄ mw: 198.25

SYNS: 1H-IMIDAZO(4,5-f)QUINOLIN-2-AMINE, 1-METHYL- □
 1H-IMIDAZO(4,5-f)QUINOLINE, 2-AMINO-1-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 20 pg/plate CBINA8 57,97,1986

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AKT600 CAS: 76180-96-6 HR: 3
2-AMINO-3-METHYLIMIDAZO(4,5-f)QUINOLINE

mf: C₁₁H₁₀N₄ mw: 198.25

PROP: Crystals from MeOH (aq).

TOXICITY DATA with REFERENCE:

sln-dmg-orl 1 mmol/L MUREAV 156,93,85

dnd-mus:lvr 100 μ mol/L JJCREP 76,835,85

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 56,165,93; Animal Sufficient Evidence IMEMDT 40,261,86; Animal Sufficient Evidence IMEMDT 56,165,93; Human No Adequate Data IMEMDT 40,261,86; Human Inadequate Evidence IMEMDT 56,165,93.

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

AKT620 HR: 2
2-AMINO-3-METHYLIMIDAZO(4,5-f)QUINOLINE
DIHYDROCHLORIDE

mf: C₁₁H₁₀N₄•2ClH mw: 271.17

SYN: IQ DIHYDROCHLORIDE

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

AKT650 CAS: 108354-47-8 HR: D
2-AMINO-3-METHYLIMIDAZO(4,5-f)
QUINOXALINE

mf: C₁₀H₉N₅ mw: 199.21

SYN: 3H-IMIDAZO(4,5-f)QUINOXALIN-2-AMINE, 3-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AKT750 CAS: 2763-96-4 HR: 3
5-AMINOMETHYL-3-ISOXAZOLE

mf: C₄H₆N₂O₂ mw: 114.12

PROP: Crystals from EtOH. Mp: 174–176° (decomp).

SYNS: AGARIN □ 5-AMINOMETHYL-3-

HYDROXYISOXAZOLE □ 5-(AMINOMETHYL)-3-ISOXAZOLOL

□ 5-(AMINOMETHYL)-3(2H)-ISOXAZOLONE □ 3-HYDROXY-5-

AMINOMETHYL ISOXAZOLE □ 3-HYDROXY-5-

AMINOMETHYLISOXAZOLE-AGARIN □ MUSCIMOL □ RCRA

WASTE NUMBER P007

TOXICITY DATA with REFERENCE:

unk-hmn TDLo:109 μ g/kg;CNS,GIT ARZNAD 18,311,68

orl-rat LD50:45 mg/kg ARZNAD 18,311,68

ivn-rat LD50:4500 μ g/kg ARZNAD 18,311,68

ipr-mus LD50:2500 μ g/kg ARZNAD 18,311,68

scu-mus LD50:3800 μ g/kg ARZNAD 18,311,68

ivn-mus LD50:5620 μ g/kg CSLNX* NX#11824

ivn-rbt LDLo:10 mg/kg ARZNAD 18,311,68

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

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by an unspecified route: sleep, nausea or vomiting, hallucinations and distorted perceptions. When heated to decomposition it emits toxic fumes of NO_x.

AKT800 CAS: 56463-76-4 HR: 3
1-(4-AMINO-2-METHYL-5-(2-METHYLPHENYL)-

1H-PYRROL-3-YL)ETHANONE**PROP:** A liquid.mf: C₁₄H₁₆N₂O mw: 228.32**SYNS:** ETHANONE, 1-(4-AMINO-2-METHYL-5-(2-METHYLPHENYL)-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-2-METHYL-5-(o-TOLYL)PYRROL-3-YL) METHYL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**AKT830 CAS: 56463-70-8 HR: 3
1-(4-AMINO-2-METHYL-5-(3-METHYLPHENYL)-1H-PYRROL-3-YL)ETHANONE**mf: C₁₄H₁₆N₂O mw: 228.32**PROP:** A liquid.**SYNS:** ETHANONE, 1-(4-AMINO-2-METHYL-5-(3-METHYLPHENYL)-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-2-METHYL-5-(m-TOLYL)PYRROL-3-YL) METHYL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**AKT850 CAS: 56463-61-7 HR: 3
1-(4-AMINO-2-METHYL-5-(4-METHYLPHENYL)-1H-PYRROL-3-YL)ETHANONE**mf: C₁₄H₁₆N₂O mw: 228.32**PROP:** A liquid.**SYNS:** ETHANONE, 1-(4-AMINO-2-METHYL-5-(4-METHYLPHENYL)-1H-PYRROL-3-YL)- □ KETONE, (4-AMINO-2-METHYL-5-(p-TOLYL)PYRROL-3-YL) METHYL**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x.**AKT900 CAS: 35199-58-7 HR: D
2-AMINO-3-METHYLNAPHTHO(1,2-D)IMIDAZOLE**mf: C₁₂H₁₁N₃ mw: 197.26**SYNS:** 2-AMINO-3-METHYLNAPHTHO(2,1-D)IMIDAZOLE □ 3H-NAPHTH(1,2-D)IMIDAZOL-2-AMINE, 3-METHYL- □ 3H-NAPHTH(1,2-D)IMIDAZOLE, 2-AMINO-3-METHYL-**TOXICITY DATA with REFERENCE:**

mic-sat 2500 ng/plate CBINA8 57,97,1986

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**AKX500 CAS: 83-70-5 HR: 3
4-AMINO-2-METHYL-1-NAPHTHOL**mf: C₁₁H₁₁NO mw: 173.23**SYNS:** 4-AMINO-2-METHYL-1-NAPHTHALENOL □ 1-HYDROXY-2-METHYL-4-AMINONAPHTHALENE □ KAYVISYN □ 2-METHYL-4-AMINO-1-HYDROXYNAPHTHALENE □ 2-

METHYL-4-AMINO-1-NAPHTHOL □ 3-METHYL-4-HYDROXY-1-NAPHTHYLAMINE □ SYNKAMIN □ SYNKAMIN BASE □ VITAMIN K5

TOXICITY DATA with REFERENCE:

ipr-mus LD50:250 mg/kg ARZNAD 17,1339,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic NO_x.**AKY000 CAS: 10187-86-7 HR: 2
3-AMINO-4-METHYL-5-(5-NITRO-2-FURYL)-s-TRIAZOLE****SYN:** 4-METHYL-5-(5-NITRO-2-4H-1,2,4-TRIAZOL-3-AMINE)**TOXICITY DATA with REFERENCE:**

orl-man TDLo:126 mg/kg/GIT JMCMA 16,312,73

orl-mus LD50:1460 mg/kg JMCMA 16,312,73

ipr-mus LD50:730 mg/kg JMCMA 16,312,73

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Human gastrointestinal tract effects by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**AKY250 CAS: 5581-52-2 HR: 3
2-AMINO-6-(1'-METHYL-4'-NITRO-5'-IMIDAZOLYL)MERCAPTOPURINE**mf: C₉H₈N₈O₂S mw: 292.31**SYNS:** 2-AMINO-6-(1-METHYL-4-NITRO-5-IMIDAZOLYL)MERCAPTOPURINE □ 6-BENZYLAMINOPURINE □ BW 57-323 □ BW 57-323H □ GUANERAN □ IRG □ 1-METHYL-4-NITRO-5-(2'-AMINO-6'-PURINYL)MERCAPTOIMIDAZIDE □ NSC-38887 □ 1H-PURINE-2-AMINE, 6-((1-METHYL-4-NITRO-1H-IMIDAZOL-5-YL)-THIO)- □ THIAMIPIRINE □ TIAMIPIRINE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:450 mg/kg RPTOAN 34,284,71

ipr-mus LD50:136 mg/kg RPTOAN 34(6),284,71

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic SO_x and NO_x.**AKY750 CAS: 14370-50-4 HR: 2
2-(AMINOMETHYL)NORBORNANE**mf: C₈H₁₅N mw: 125.24**SYN:** (2,5-ENDOMETHYLENECYCLOHEXYLMETHYL)AMINE**TOXICITY DATA with REFERENCE:**

skn-rbt 100 µg/24H open AIHAAP 23,95,62

orl-rat LD50:1410 mg/kg AIHAAP 23,95,62

skn-rbt LD50:520 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 NO_x.**AKY875 CAS: 35629-70-0 HR: 2
2-AMINO-4-METHYLOXAZOLE**mf: C₄H₆N₂O mw: 98.10**SAFETY PROFILE:** Potentially explosive reaction with hydrogen peroxide and iron(II) catalysts. When heated to decomposition it emits toxic fumes of NO_x.**AKY880 CAS: 92065-77-5 HR: 3**

**2-AMINO-1-METHYL-2-OXOETHYL-N-
(((METHYLAMINO)CARBONYL)OXY)-
ETHANIMIDOTHIOATE**mf: C₇H₁₃N₃O₃S mw: 219.29**SYN:** ETHANIMIDOTHIOIC ACID, N-(((METHYLAMINO)CARBONYL)OXY)-, 2-AMINO-1-METHYL-2-OXOETHYL ESTER**TOXICITY DATA with REFERENCE:**

orl-rat LD50:23,800 µg/kg USXXAM #4454134

SAFETY PROFILE: A poison by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**AKY950 CAS: 95-84-1 HR: D
2-AMINO-4-METHYLPHENOL**mf: C₇H₉NO mw: 123.17**TOXICITY DATA with REFERENCE:**

mmo-sat 333 µg/plate EMMUEG 11(Suppl 12),1,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**AKZ000 CAS: 2835-99-6 HR: 2
4-AMINO-3-METHYLPHENOL**mf: C₇H₉NO mw: 123.17**PROP:** Prisms from EtOH (aq). Mp: 179°.**SYNS:** 4-AMINO-m-CRESOL □ 3-METHYL-4-AMINOPHENOL □ PHENOL, 4-AMINO-3-METHYL-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:680 mg/kg NNGADV 3,35,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x.**AKZ100 CAS: 25646-77-9 HR: 3
2-((4-AMINO-3-METHYLPHENYL)ETHYLAMINO)
ETHANOL SULFATE**mf: C₁₁H₁₈N₂O•H₂O₄S mw: 292.39**SYNS:** CD 4 □ ETHANOL, 2-((4-AMINO-3-METHYLPHENYL)ETHYLAMINO)-, SULFATE (1:1) (SALT)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:35 mg/kg EPASR* 8EHQ-1185-0575

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.**AKZ200 CAS: 105650-23-5 HR: 3
2-AMINO-1-METHYL-6-PHENYLIMIDAZO(4,5-B)
PYRIDINE**mf: C₁₃H₁₂N₄ mw: 224.29**SYNS:** IMIDAZO(4,5-B)PYRIDINE, 2-AMINO-1-METHYL-6-PHENYL- □ 1H-IMIDAZO(4,5-B)PYRIDIN-2-AMINE, 1-METHYL-6-PHENYL-(9CI) □ 1H-IMIDAZO(4,5-B)PYRIDINE, 2-AMINO-1-METHYL-6-PHENYL- □ PHIP**TOXICITY DATA with REFERENCE:**

mic-bac-sat 200 ng/plate CRNGDP 12,1091,91

cyt-ipr-mus 100 mg/kg MUREAV 224,105,89

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 56,229,93; Animal Sufficient Evidence IMEMDT 56,229,93; Human Inadequate Evidence IMEMDT 56,229,93.**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**AKZ300 CAS: 17351-87-1 HR: D
2-AMINO-3-METHYL-6-PHENYLIMIDAZO(4,5-b)
PYRIDINE**mf: C₁₃H₁₂N₄ mw: 224.27**SYN:** 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3-METHYL-6-PHENYL-**TOXICITY DATA with REFERENCE:**

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**AKZ400 CAS: 357210-17-4 HR: D
AMINO-3'-METHYLPHENYLNORHARMAN**mf: C₁₈H₁₅N₃ mw: 273.34**SYNS:** 9-(4'-AMINO-3'-METHYLPHENYL)-9H-PYRIDO(3,4-B)INDOLE □ BENZENAMINE, 2-METHYL-4-(9H-PYRIDO(3,4-B)INDOL-9-YL)- □ BENZENEAMINE, 2-METHYL-4-(9H-PYRIDO(3,4-B)INDOL-9-YL)- □ 9H-PYRIDO(3,4-B)INDOLE, 9-(4-AMINO-3-METHYLPHENYL)-**TOXICITY DATA with REFERENCE:**

mic-sat 1 µLg/plate/6H MUREAV 493,115,2001

add-sat 1 µLg/plate/6H MUREAV 493,115,2001

sce-ham-lng 0.625 mg/L/6H MUREAV 515,181,2002

mic-sat 1 mg/L/20M MUREAV 515,181,2002

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**ALA000 CAS: 50901-84-3 HR: 3
cis-2-AMINO-5-METHYL-4-PHENYL-1-
PYRROLINE**mf: C₁₁H₁₄N₂ mw: 174.27**TOXICITY DATA with REFERENCE:**

orl-rat LD50:420 mg/kg EJMCA5 13,161,78

orl-mus LD50:276 mg/kg EJMCA5 13,161,78

ivn-mus LD50:14 mg/kg EJMCA5 13,161,78

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**ALA250 CAS: 50901-87-6 HR: 3
trans-2-AMINO-5-METHYL-4-PHENYL-1-
PYRROLINE**mf: C₁₁H₁₄N₂ mw: 174.27**TOXICITY DATA with REFERENCE:**

orl-mus LD50:80 mg/kg EJMCA5 13,161,78

ivn-mus LD50:26 mg/kg EJMCA5 13,161,78

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**ALA300 CAS: 59133-39-0 HR: 3
1-(4-AMINO-2-METHYL-5-PHENYL-1H-PYRROL-**

3-YL)ETHANONE HYDROCHLORIDEmf: $C_{13}H_{14}N_2O \cdot ClH$ mw: 250.75**PROP:** A liquid.**SYNS:** ETHANONE, 1-(4-AMINO-2-METHYL-5-PHENYL-1H-PYRROL-3-YL)-, MONOHYDROCHLORIDE □ KETONE, (4-AMINO-2-METHYL-5-PHENYLPYRROL-3-YL) METHYL, MONOHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1 g/kg FRPSAX 39,538,84

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** Low toxicity by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x , HCl, and Cl^- .**ALA500 CAS: 41394-05-2 HR: 2
4-AMINO-3-METHYL-6-PHENYL-1,2,4-TRIAZIN-5(4H)-ONE**mf: $C_{10}H_{10}N_4O$ mw: 202.24**PROP:** Crystals or solid. Mp: 166–167°. Sltly sol in water.**SYNS:** BAY-DRW 1139 □ DRW 1139 □ GOLTIX □ METAMITON □ METAMITRON (GERMAN) □ 3-METHYL-4-AMINO-6-PHENYL-1,2,4-TRIAZIN(4H)-ON (GERMAN)**TOXICITY DATA with REFERENCE:**

mmo-nsc 1 mg/L ENMUDM 7(Suppl 3),11,85

orl-rat LD50:1447 mg/kg 85ARAE 2,133,77

orl-mus LD50:1450 mg/kg 85DPAN -,71/76

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x .**ALA550 CAS: 137424-81-8 HR: 3
2-AMINO-4-METHYL-5-PHOSPHONO-3-PENTENOIC ACID**mf: $C_6H_{12}NO_5P$ mw: 209.14**SYN:** CGP 37849**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:3 mg/kg JOETD7 76,145,2001

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO_x and PO_x .**ALA750 CAS: 55921-66-9 HR: 3
2-AMINO-4-(N-METHYLPYPERAZINO)-5-METHYLTHIO-6-CHLOROPYRIMIDINE**mf: $C_{10}H_{16}ClN_5S$ mw: 273.82**TOXICITY DATA with REFERENCE:**

orl-mus LD50:225 mg/kg JMCMA 18,553,75

ivn-mus LD50:33 mg/kg JMCMA 18,553,75

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of SO_x , NO_x , and Cl^- .**ALB000 CAS: 115-69-5 HR: 3
2-AMINO-2-METHYL-1,3-PROPANEDIOL**mf: $C_4H_{11}NO_2$ mw: 105.16**PROP:** A clear liquid. Mp: 110°, bp: 151° @ 10 mm, vap d: 3.63.**SYNS:** AMINOGLYCOL □ AMPD □ GENTIMON □ ISOBUTAN DIOL-2-AMINE □ PENTAERYTHRITOL DICHLOROHYDRIN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:17 g/kg JACTDZ 9(2),203,90

orl-mus LDLo:140 mg/kg AEECTCV 14,111,85

orl-rbt LDLo:1500 mg/kg JIHTAB 22,315,40

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion. Combustible. Can react with oxidizing materials. When heated to decomposition it emits toxic fumes of NO_x .**ALB250 CAS: 2854-16-2 HR: 2
1-AMINO-2-METHYL-2-PROPANOL**mf: $C_4H_{11}NO$ mw: 89.16**PROP:** D: 0.929 @ 20°/20°, bp: 151°.**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3000 mg/kg SCCUR* -,1,61

orl-mus LD50:2450 mg/kg SCCUR* -,1,61

ihl-mus LCLo:1095 ppm/18H SCCUR* -,1,61

skn-rbt LDLo:1960 mg/kg SCCUR* -,1,61

SAFETY PROFILE: Moderately toxic by ingestion, inhalation, and skin contact. When heated to decomposition it emits toxic fumes of NO_x .**ALB500 CAS: 7447-44-1 HR: 2
S-2-AMINO-2-METHYLPROPYL DIHYDROGEN PHOSPHOROTHIOATE**mf: $C_4H_{12}NO_3PS$ mw: 185.20**SYN:** S-(2-AMINO-2-METHYLPROPYL)PHOSPHOROTHIOATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2800 mg/kg JMCMA 18,803,75

ipr-mus LD50:750 mg/kg JMCMA 18,803,75

unr-mus LD50:750 mg/kg JMCMA 9,911,66

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, and other unspecified routes. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of SO_x , PO_x , and NO_x .**ALB625 CAS: 18591-81-6 HR: 2
3-AMINO-6-METHYL-4-PYRIDAZINETHIOL**mf: $C_5H_7N_3S$ mw: 141.21**SYNS:** 3-AMINO-4-MERCAPTO-6-METHYLPYRIDAZIN (GERMAN) □ 3-AMINO-4-MERCAPTO-6-METHYLPYRIDAZINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1975 mg/kg PHARAT 37,285,82

orl-mus LD50:1637 mg/kg PHARAT 37,136,82

scu-mus LD50:1637 mg/kg PHARAT 36,698,81

SAFETY PROFILE: Moderately toxic by ingestion and other routes. When heated to decomposition it emits toxic fumes of NO_x and SO_x .**ALB750 CAS: 3731-51-9 HR: 3
2-AMINOMETHYLPYRIDINE**mf: $C_6H_8N_2$ mw: 108.16**PROP:** Bp: 91° @ 15 mm. Sol in water.**SYNS:** 2-PICOLINAMINE □ 2-PICOLYLAMINE □ 2-PYRIDINEMETHYLAMINE □ (2-PYRIDYLMETHYL)AMINE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:340 mg/kg APFRAD 26,345,68

orl-qal LD50:750 mg/kg AEECTCV 12,355,83

orl-bwd LD50:562 mg/kg AEECTCV 12,355,83

ivn-mus LD50:340 mg/kg APFRAD 26,345,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALC000 CAS: 1603-40-3 HR: 3

2-AMINO-3-METHYLPYRIDINE

mf: C₆H₈N₂ mw: 108.16

PROP: Solid. Mp: 26–26.4°, bp: 221.2°, vap d: 3.73. Sol in water.

TOXICITY DATA with REFERENCE:

orl-rat LD50:100 mg/kg 85JCAE -,841,86
ihl-rat LCLo:650 ppm/6H 85JCAE -,841,86
scu-mus LD50:36 mg/kg AJEBAK 36,491,58
ivn-mus LD50:10 mg/kg CSLNX* NX#01585
skn-gpg LD50:200 mg/kg 85JCAE -,841,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, skin contact, subcutaneous, and intravenous routes. Moderately toxic by inhalation. Combustible. When heated to decomposition it emits toxic fumes of NO_x.

ALC250 CAS: 695-34-1 HR: 3

2-AMINO-4-METHYLPYRIDINE

mf: C₆H₈N₂ mw: 108.16

PROP: Crystals or leaflets (ligroin). Mp: 99°, bp: 230.9°, vap d: 3.73.

SYNS: α-AMINO-γ-PICOLINE □ 2-AMINO-4-PICOLINE □ ASCENSIL □ 4M2AP □ 4-METHYL-2-AMINOPYRIDINE □ METHYL-4-AMINO-2-PYRIDINE □ 4-PICOLYLAMINE □ RA 1226

□ W 45 □ W 45 RASCHIG

TOXICITY DATA with REFERENCE:

orl-rat LD50:200 mg/kg 85JCAE -,841,86
scu-rat LD50:160 mg/kg AEPPAE 227,234,55
scu-mus LD50:64 mg/kg NYKZAU 53,2278,57
ivn-mus LD50:39 mg/kg APFRAD 26,345,68
skn-gpg LD50:500 mg/kg 85JCAE -,841,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, skin contact, subcutaneous, and intravenous routes. Combustible. When heated to decomposition it emits toxic fumes of NO_x. An analgesic and cardiac stimulant.

ALC500 CAS: 1824-81-3 HR: 3

2-AMINO-6-METHYLPYRIDINE

mf: C₆H₈N₂ mw: 108.16

PROP: Solid. Mp: 41°, bp: 214.4°, vap d: 3.73. Very sol in water. Insol in ligroin, sol in most org solvs.

TOXICITY DATA with REFERENCE:

orl-rat LD50:100 mg/kg 85JCAE -,841,86
scu-mus LD50:52 mg/kg AJEBAK 36,491,58
ivn-mus LD50:18 mg/kg CSLNX* NX#00148
skn-gpg LD50:200 mg/kg 85JCAE -,841,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALC600 CAS: 32479-72-4 HR: 2
2-AMINO-1-METHYLPYRIDINIUM p-TOLUENE SULFONATE

mf: C₆H₉N₂•C₇H₇O₃S mw: 280.37

SYN: PYRIDINIUM, 2-AMINO-1-METHYL-, p-TOLUENESULFONATE

TOXICITY DATA with REFERENCE:

scu-rat LD50:>2 g/kg EKMAA8 18,98,79
scu-mus LD50:2100 mg/kg EKMAA8 18,98,79

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

ALC750 CAS: 53222-52-9 HR: 3
4-((3-AMINO-4-((4-((1-METHYLPYRIDINIUM-4-YL)AMINO)BENZOYL)AMINO)PHENYL)-AMINO)-1-METHYLQUINOLINIUM)-DIBROMIDE

mf: C₂₉H₂₈N₆O•2Br mw: 636.45

TOXICITY DATA with REFERENCE:

dnd-mus:lym 1870 nmol/L JMCMAA 22,134,79
ipr-mus LD10:7 mg/kg JMCMAA 22,134,79

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

ALD500 CAS: 62450-07-1 HR: 3
3-AMINO-1-METHYL-5H-PYRIDO(4,3-b)INDOLE

mf: C₁₂H₁₁N₃ mw: 197.26

SYNS: 3-AMINO-1-METHYL-γ-CARBOLINE □ 1-METHYL-3-AMINO-5H-PYRIDO(4,3-b)INDOLE □ TRP-P-2 □ TRYPTOPHAN P2

TOXICITY DATA with REFERENCE:

mno-sat 50 ng/plate CRNGDP 5,505,84
mma-sat 50 ng/plate CRNGDP 5,505,84
dnd-mus:lvr 50 μmol/L JJCREP 76,835,85

CONSENSUS REPORTS: IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 31,255,83. EPA Genetic Toxicology Program.

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

ALD750 CAS: 68006-83-7 HR: 3
2-AMINO-3-METHYL-9H-PYRIDO(2,3-b)INDOLE

mf: C₁₂H₁₁N₃ mw: 197.2

PROP: Crystals from CHCl₃/hexane. Mp: 215–218°.

SYN: 2-AMINO-3-METHYL-α-CARBOLINE

TOXICITY DATA with REFERENCE:

mno-sat 1 μg/plate ABCHA6 43,1155,79
dnr-bcs 10 μL/plate ABCHA6 45,2031,81
slt-dmg-orl 400 ng/kg JJCREP 76,468,85
mma-sat 10 ng/plate CALEDQ 10,141,80

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Mutation data reported.

When heated to decomposition it emits toxic fumes of NO_x .

ALD600 CAS: 102206-89-3 HR: D
3-AMINO-7-METHYL-5H-PYRIDO(4,3-B)INDOLE

mf: $\text{C}_{12}\text{H}_{11}\text{N}_3$ mw: 197.26

SYNS: 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-7-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 2500 nmol/L PNASA6 77,1427,1980

add-unr-lym 100 $\mu\text{mol/L}$ PNASA6 77,1427,1980

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

ALE750 CAS: 72254-58-1 HR: 2
3-AMINO-1-METHYL-5H-PYRIDO(4,3-b)INDOLE ACETATE

mf: $\text{C}_{12}\text{H}_{11}\text{N}_3 \cdot \text{C}_2\text{H}_4\text{O}_2$ mw: 257.32

PROP: Prisms. Mp: 242–247°.

SYNS: 5H-PYRIDO(4,3-b)INDOL-3-AMINE, 1-METHYL-1, MONOACETATE \square TRP-P-2(ACETATE)

TOXICITY DATA with REFERENCE:

slt-dmg-ori 400 ppm MUREAV 122,315,83

mma-sat 1 $\mu\text{g/plate}$ CPBTAL 26,611,78

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

ALF250 CAS: 127-79-7 HR: 2
4-AMINO-N-(4-METHYL-2-PYRIMIDINYL)- BENZENESULFONAMIDE

mf: $\text{C}_{11}\text{H}_{12}\text{N}_4\text{O}_2\text{S}$ mw: 264.33

PROP: Cream-colored powder, darkens on exposure to light. Mp: 237° (decomp). Spar sol in water.

SYNS: A-310 \square (p-AMINO BENZOLSULFONYL)-2-AMINO-4-METHYLPYRIMIDIN (GERMAN) \square CREMOMERAZINE \square DEBENAL-M \square KELAMERAZINE \square MEBACID \square MESULFA \square METHYLPYRIMAL \square N¹-(4-METHYL-2-PYRIMIDINYL) SULFANILAMIDE \square METHYLSULFAZIN \square PERCOCCIDE \square PRIMAL-M \square PYRALCID \square PYRIMAL M \square ROMEZIN \square RP 2632 \square 2643-RP \square SEPTACIL \square SULFAMERADINE \square SULFAMERAZIN \square SULFAMETHYLDIAZINE \square SULPHAMERAZINE \square SUMEDINE \square VETA-MERAZINE

TOXICITY DATA with REFERENCE:

scu-rat LD50:1890 mg/kg ABMGAJ 27,141,71

ivn-rat LD50:1100 mg/kg AEPPAE 211,367,50

ipr-mus LD50:1400 mg/kg ARZNAD 5,213,55

scu-mus LD50:1190 mg/kg ABMGAJ 27,141,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALF500 CAS: 55661-38-6 HR: 3
1-(4-AMINO-2-METHYLPYRIMIDIN-5-YL)- METHYL-3-(2-CHLOROETHYL)-3-NITROSOUREA

mf: $\text{C}_9\text{H}_{13}\text{ClN}_6\text{O}_2 \cdot \text{ClH}$ mw: 309.19

SYNS: ACNU \square N¹-(4-AMINO-2-METHYL-5-PYRIMIDINYL) METHYL-N-(2-CHLOROETHYL)-N-NITROSOUREA HCl \square 3-(4-AMINO-2-METHYL-5-PYRIMIDINYL)METHYL-1-(2-CHLOROETHYL)-1-NITROSOUREA HYDROCHLORIDE \square CS-439 \square NIDRAN \square NIMUSTINE HYDROCHLORIDE \square NSC-245382

TOXICITY DATA with REFERENCE:

mmo-sat 50 $\mu\text{g/plate}$ CNREA8 38,2148,78

mma-sat 50 $\mu\text{g/plate}$ CNREA8 38,2148,78

ori-rat LD50:113 mg/kg 37XLA2 2,1233,78

ipr-rat LD50:52,700 $\mu\text{g/kg}$ IYKEDH 10,884,79

scu-rat LD50:60,800 $\mu\text{g/kg}$ IYKEDH 10,884,79

ivn-rat LD50:15 mg/kg MDACAP 16,424,80

ori-mus LD50:83 mg/kg 37XLA2 2,1233,78

ipr-mus LD50:49,300 $\mu\text{g/kg}$ IYKEDH 10,884,79

scu-mus LD50:72,800 $\mu\text{g/kg}$ IYKEDH 10,884,79

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x .

ALF600 CAS: 454-41-1 HR: 2
2-AMINO-4-(METHYLSULFINYL)BUTYRIC ACID

mf: $\text{C}_5\text{H}_{11}\text{NO}_3\text{S}$ mw: 165.23

SYNS: BUTANOIC ACID, 2-AMINO-4-(METHYLSULFINYL)-(9CI) \square BUTYRIC ACID, 2-AMINO-4-(METHYLSULFINYL)- \square METHIONINE SULFOXIDE \square dl-METHIONINE SULFOXIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:4000 mg/kg IJRBA3 3,41,61

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

ALF650 CAS: 78859-36-6 HR: D
4-AMINO-6-METHYL-1H-2,5,10,10B-TETRAAZA FLUORANTHENE

mf: $\text{C}_{13}\text{H}_{11}\text{N}_5$ mw: 237.29

SYN: 1H-2,5,10,10B-TETRAAZAFLUORANTHENE, 4-AMINO-6-METHYL-

TOXICITY DATA with REFERENCE:

mic-sat 500 ng/plate CPBTAL 29,1473,1981

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

ALF750 CAS: 6628-83-7 HR: 2
2-AMINOMETHYLTETRAHYDROPYRAN

mf: $\text{C}_6\text{H}_{11}\text{NO}$ mw: 113.18

TOXICITY DATA with REFERENCE:

ori-rat LD50:710 mg/kg AIHAAP 30,470,69

skn-rbt LD50:710 mg/kg AIHAAP 30,470,69

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

ALG250 CAS: 73696-62-5 HR: 2
2-AMINO-N-(3-METHYL-2-THIAZOLIDINYL-IDENE) ACETAMIDE

mf: $\text{C}_6\text{H}_{11}\text{N}_3\text{OS}$ mw: 173.26

TOXICITY DATA with REFERENCE:

ori-mus LD50:4666 mg/kg JMC MAR 23,773,80

ivn-mus LD50:549 mg/kg JMCAR 23,773,80

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALG375 CAS: 55864-39-6 HR: 2
5-AMINO-3-METHYLTHIO-1,2,4-OXADIAZOLE

mf: C₃H₅N₃OS mw: 131.15

SAFETY PROFILE: Decomposes violently at its mp of 97–99°C. Upon decomposition it emits toxic fumes of SO_x and NO_x.

ALG500 CAS: 21172-28-1 HR: 3
α-AMINOMETHYL-m-TRIFLUOROMETHYL
BENZYL ALCOHOL

mf: C₉H₁₀F₃NO mw: 205.20

TOXICITY DATA with REFERENCE:

orl-mus LD50:700 mg/kg ARZNAD 27,116,77

ipr-mus LD50:226 mg/kg ISYAM* -,21,70

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

ALH000 CAS: 117-62-4 HR: 1
2-AMINO-1,5-NAPHTHALENEDISULFONIC ACID

mf: C₁₀H₉NO₆S₂ mw: 303.32

SYNS: KYSELINA 2-NAPTYLAMIN-1,5-DISULFONOVA (CZECH) □ KYSELINA SULFO-TOBIAOVA (CZECH) □ 5-SULFO-TOBIAS ACID

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,188,72

eye-rbt 20 mg/24H MOD 28ZPAK -,188,72

orl-rat LD50:5430 mg/kg 28ZPAK -,188,72

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

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

ALH250 CAS: 131-27-1 HR: 1
3-AMINO-1,5-NAPHTHALENEDISULFONIC ACID

mf: C₁₀H₉NO₆S₂ mw: 303.32

PROP: Prisms.

SYNS: ACID IV □ 2-AMINO-4,8-NAPHTHALENEDISULFONIC ACID □ 7-AMINO-1,5-NAPHTHALENEDISULFONIC ACID □ C ACID □ 4,8-DISULFO-2-NAPHTHALAMINE □ KYSELINA C (CZECH) □ KYSELINA-2-NAPTYLAMIN-4,8-DISULFONOVA (CZECH) □ β-NAPHTHYLAMINEDISULFONIC ACID □ β-NAPHTHYLAMINE-4,8-DISULFONIC ACID □ 2-NAPHTHYLAMINE-4,8-DISULFONIC ACID

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 28ZPAK -,189,72

orl-rat LD50:11,400 mg/kg 28ZPAK -,189,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALH500 CAS: 118-33-2 HR: 2
6-AMINO-NAPHTHALENE-1,3-DISULFONIC

ACID

mf: C₁₀H₉NO₆S₂•Na mw: 326.31

PROP: Rhombic needles. Sol in water.

SYN: 2-NAPTYLAMIN-5,7-DISULFONAN SODNY (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 2 mg/24H SEV 85JCAE -,1059,86

eye-rbt 750 µg/24H SEV 28ZPAK -,189,72

orl-rat LD50:2000 mg/kg 28ZPAK -,189,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALH750 CAS: 81-16-3 HR: 1
2-AMINO-1-NAPHTHALENESULFONIC ACID

mf: C₁₀H₉NO₃S mw: 223.26

PROP: Anhydrous flakes (hot H₂O) or hydrated needles (cold H₂O).

SYNS: KYSELINA-2-NAPTYLAMIN-1-SULFONOVA (CZECH) □ KYSELINA TOBIAOVA (CZECH) □ 2-NAPHTHYLAMINE-1-SULFONIC ACID □ TOBIAS ACID

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,187,72

orl-rat LD50:19,400 mg/kg 28ZPAK -,187,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and SO_x. See also SULFONATES.

ALI000 CAS: 84-86-6 HR: 3
4-AMINO-1-NAPHTHALENESULFONIC ACID

mf: C₁₀H₉NO₃S mw: 223.26

PROP: Needles. Spar sol in water with blue fluorescence. Sol in MeOH.

SYNS: 1-AMINONAPHTHALENE-4-SULFONIC ACID □ 1-AMINO-4-SULFONAPHTHALENE □ NAPHTHIONIC ACID □ 1,4-NAPHTHIONIC ACID □ α-NAPHTHYLAMINE-p-SULFONIC ACID □ 1-NAPHTHYLAMINE-4-SULFONIC ACID □ PIRIA'S ACID □ USAF M-5

TOXICITY DATA with REFERENCE:

ipr-mus LD50:300 mg/kg NTIS** AD277-689

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

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

ALI240 CAS: 84-89-9 HR: 2
5-AMINO-1-NAPHTHALENESULFONIC ACID

mf: C₁₀H₉NO₃S mw: 223.26

SYN: 1-NAPHTHALENESULFONIC ACID, 5-AMINO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg GISAAA 51(1),87,86

ipr-rat LD50:2880 mg/kg GISAAA 51(1),87,86

orl-mus LD50:>5 g/kg GISAAA 51(1),87,86

ipr-mus LD50:2990 mg/kg GISAAA 51(1),87,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALI250 CAS: 119-79-9 HR: 1
5-AMINO-2-NAPHTHALENESULFONIC ACID

mf: C₁₀H₉NO₃S mw: 223.26

PROP: Needles. Spar sol in water.

SYNS: 1-AMINO-6-NAPHTHALENESULFONIC ACID □ 1-AMINO-6-SULFONAPHTHALENE □ CLEVE'S ACID-1,6 □ CLEVE'S BETA-ACID □ KYSELINA CLEVE (CZECH) □ KYSELINA-1-NAFTYLAMIN-6-SULFONOVA (CZECH) □ 1-NAPHTHYLAMINE-6-SULFONIC ACID □ 5-NAPHTHYLAMINE-2-SULFONIC ACID

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,187,72

orl-rat LD50:14,200 mg/kg 28ZPAK -,187,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALI300 CAS: 86-60-2 HR: 2
7-AMINO-1-NAPHTHALENESULFONIC ACID

mf: C₁₀H₉NO₃S mw: 223.26

PROP: Prisms or needles from water. Spar sol in cold water; mod sol in hot water.

SYNS: BADEN ACID □ BADISCHE ACID □ 2-NAPHTHYLAMINE-8-SULFONIC ACID

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

ALI500 CAS: 28907-84-8 HR: D
5-AMINO-2-NAPHTHALENESULFONIC ACID SODIUM SALT

mf: C₁₀H₈NO₃S*Na mw: 245.24

PROP: Crystals or plates. Sol in water with blue fluorescence.

SYNS: SODIUM NAPHTHIONATE □ SODIUM-α-NAPHTHYLAMINE-6-SULPHONATE

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and Na₂O.

ALI750 CAS: 118-03-6 HR: 1
7-AMINO-1,3,6-NAPHTHALENETRISULFONIC ACID

mf: C₁₀H₉NO₉S₃ mw: 383.38

SYNS: KYSELINA KOCHOVA (CZECH) □ KYSELINA 2-NAFTYLAMIN-3,6,8-TRISULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD 28ZPAK -,190,72

eye-rbt 500 mg/24H MLD 28ZPAK -,190,72

orl-rat LD50:13 g/kg 28ZPAK -,190,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin and severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALJ000 CAS: 5959-52-4 HR: 2
3-AMINO-2-NAPHTHOIC ACID

mf: C₁₁H₉NO₂ mw: 187.21

PROP: Yellow scales or leaflets from dilute alcohol or ether. Mp: 219–220°. Sltly sol in hot water.

SYNS: 3-AMINOISONAPHTHOIC ACID □ 3-AMINO-2-NAPHTHALENECARBOXYLIC ACID

TOXICITY DATA with REFERENCE:

orl-mus LD50:1600 mg/kg 14CYAT 2,1840,63

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 AROMATIC AMINES.

ALJ100 CAS: 102408-31-1 HR: D
2-AMINO-1H-NAPHTHO(2,3-d)IMIDAZOLE

mf: C₁₁H₉N₃ mw: 183.23

SYNS: 2-AMINO-3H-NAPHTHO(3,2-d)IMIDAZOLE □ 1H-NAPHTH(2,3-d)IMIDAZOLE, 2-AMINO-

TOXICITY DATA with REFERENCE:

mic-sat 256 ng/plate CBINA8 57,97,1986

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

ALJ250 CAS: 42884-33-3 HR: 1
2-AMINO-1-NAPHTHOL

mf: C₁₀H₉NO mw: 159.20

PROP: Mp: 255° (decomp). Sol in alc.

SYN: AMINONAPHTHALENOL

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

ALJ500 CAS: 86-97-5 HR: 3
5-AMINO-2-NAPHTHOL

mf: C₁₀H₉NO mw: 159.20

SYN: 2-NAPHTHOL, 5-AMINO-

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04025

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALJ750 CAS: 118-46-7 HR: 3
8-AMINO-2-NAPHTHOL

mf: C₁₀H₉NO mw: 159.20

PROP: Crystals from benzene or ligroin. Mp: 95–97° (decomp). Sol in hot water, alkali, and HCl.

TOXICITY DATA with REFERENCE:

ivn-mus LD50:180 mg/kg CSLNX* NX#04024

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALK000 CAS: 1198-27-2 HR: 1
1-AMINO-2-NAPHTHOL HYDROCHLORIDE

mf: C₁₀H₉NO•ClH mw: 195.66

PROP: Needles from alc. Mp: 201°; sltly sol in water; sol in alc and ether.

SYN: 2-HYDROXY-1-NAPHTHYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

dnr-esc 500 µg/well/16H CBINA8 15,219,76

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

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

ALK250 CAS: 41772-23-0 HR: 2
2-AMINO-1-NAPHTHOL HYDROCHLORIDE

mf: C₁₀H₉NO•ClH mw: 195.66

PROP: Needles. Mp: 255° (decomp); sol in alc.

SYN: 1-HYDROXY-2-NAPHTHYLAMINE HYDROCHLORIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALK500 CAS: 5959-56-8 HR: 1
4-AMINO-1-NAPHTHOL HYDROCHLORIDE

mf: C₁₀H₉NO•ClH mw: 195.66

SYN: 1-AMINO-4-NAPHTHOL HYDROCHLORIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALK625 CAS: 5438-85-7 HR: 3
2-AMINO-1,4-NAPHTHOQUINONE IMINE
HYDROCHLORIDE

mf: C₁₀H₈N₂O•ClH mw: 208.66

SYNS: 2-AMINO-4-IMINO-1(4H)-NAPHTHALENONE HYDROCHLORIDE □ ANQI

TOXICITY DATA with REFERENCE:

dni-mus:ast 20 µmol/L CPBTAL 17,105,69

oms-mus:ast 20 µmol/L CPBTAL 17,105,69

dnd-mam:lym 100 µmol/L CPBTAL 17,113,69

ipr-mus LD50:5450 µg/kg CPBTAL 17,1432,69

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

ALK750 CAS: 605-92-5 HR: 2
2-AMINO-1-NAPHTHYL ESTER SULFURIC ACID

mf: C₁₀H₉NO₄S mw: 239.26

PROP: Slty sol in water.

SYNS: 2-AMINO-1-NAPHTHYL HYDROGEN SULFATE □ 2-AMINO-1-NAPHTHYL HYDROGEN SULPHATE

SAFETY PROFILE: Questionable carcinogen with experimental neoplastigenic data. See also ESTERS and SULFATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALL000 CAS: 63976-07-8 HR: 2
2-AMINO-1-NAPHTHYLGLUCOSIDURONIC
ACID

mf: C₁₆H₁₇NO₇ mw: 335.34

SYN: 2-NAPHTHYLAMINE-1-d-GLUCOSIDURONIC ACID

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

ALL250 CAS: 329-89-5 HR: 3
6-AMINONICOTINAMIDE

mf: C₆H₇N₃O mw: 137.16

PROP: Crystals. Mp: 200°.

SYNS: AMINONICOTINAMIDE □ 6-AMINONIKOTIN SAEUREAMID (GERMAN) □ 6-AMINONICOTINIC ACID AMIDE □ 6-AMINO-NICOTINSAEUREAMID (GERMAN) □ 6-AN □ 6-ANA □ FDA 0121 □ NSC-21206 □ U-8774

TOXICITY DATA with REFERENCE:

dlt-rat-ipr 1 mg/kg TXAPA9 19,371,71

ipr-rat LD50:11 mg/kg CAXXA4 #1089763

orl-mus LDLo:320 mg/kg AECTCV 14,111,85

ipr-gpg LD50:10 mg/kg TXAPA9 33,320,75

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. A central nervous system depressant.

ALL300 CAS: 76706-59-7 HR: 3
6-AMINONICOTINOHYDROXAMIC ACID

mf: C₆H₇N₃O₂ mw: 153.16

SYNS: 6-AMINO-N-HYDROXY-3-PYRIDINECARBOXAMIDE □ 3-PYRIDINECARBOXAMIDE, 6-AMINO-N-HYDROXY-

TOXICITY DATA with REFERENCE:

orl-rat LDLo:28 mg/kg USXXAM #4251536

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

ALL500 CAS: 99-56-9 HR: 2
2-AMINO-4-NITROANILINE

mf: C₆H₇N₃O₂ mw: 153.16

PROP: Dark-red needles from water. Mp: 201°. Sol in EtOH, Me₂CO, C₆H₆, CHCl₃; mod sol in dil acids.

SYNS: C.I. 76020 □ 1,2-DIAMINO-4-NITROBENZENE □ NCI-C03941 □ 4NDB □ 4-NITRO-1,2-BENZENEDIAMINE □ 4-NITRO-1,2-DIAMINOBENZENE □ p-NITRO-o-PHENYLENEDIAMINE □ 4-NITRO-o-PHENYLENE-DIAMINE □ 4-NITRO-1,2-PHENYLENEDIAMINE □ 4-NOPD

TOXICITY DATA with REFERENCE:

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

dnr-esc 10 mg/L CRNGDP 2,189,81

mno-asn 200 mg/L MUREAV 97,293,82

orl-rat LD50:681 mg/kg NCILB* NIH-NCI-E-C-72-3252

orl-mus LD50:681 mg/kg NCILB* NIH-NCI-E-C-72-3252

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

IMEMDT 16,63,78. NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR* NCI-CG-TR-180,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. Questionable carcinogen. When heated to decomposition it emits toxic fumes of NO_x .

ALL750 CAS: 5307-14-2 HR: 3
4-AMINO-2-NITROANILINE

mf: $\text{C}_6\text{H}_7\text{N}_3\text{O}_2$ mw: 153.16

PROP: Black needles with strong green reflection from water. Mp: 137°.

SYNS: C.I. 76070 □ C.I. OXIDATION BASE 22 □ 1,4-DIAMINO-2-NITROBENZENE □ DURAFUR BROWN □ DURAFUR BROWN 2R □ DYE GS □ FOURAMIEN 2R □ FOURRINE 36 □ FOURRINE BROWN 2R □ NCI-C02222 □ 2NDB □ 2-NITRO-1,4-BENZENEDIAMINE □ 2-NITRO-1,4-DIAMINOBENZENE □ NITRO-p-PHENYLENEDIAMINE □ 2-NITRO-1,4-PHENYLENEDIAMINE □ o-NITRO-p-PHENYLENEDIAMINE (MAK) □ 2-NITRO-p-PHENYLENEDIAMINE □ 2-NP □ 2-N-p-PDA □ 2-NPPD □ OXIDATION BASE 22 □ URSOL BROWN RR □ ZOBA BROWN RR

TOXICITY DATA with REFERENCE:

mno-sat 5 µg/plate NATUAS 255,506,75
 dns-rat:lvf 100 mg/L MUREAV 97,359,82
 otr-ham:emb 500 µg/L NCIMAV 58,243,81
 sce-ham:orf 125 mg/kg BLFSBY 29B,613,83
 cyt-hmn:lym 50 mg/L/24H NATUAS 255,506,75
 orl-rat LD50:2100 mg/kg JSCCA5 23,259,72
 ipr-rat LD50:348 mg/kg JTEHD6 2,657,77

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 16,73,78. NCI Carcinogenesis Bioassay (feed); No Evidence: rat NCITR* NCI-CG-TR-169,79; Clear Evidence: mouse NCITR* NCI-CG-TR-169,79. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Suspected carcinogen with experimental carcinogenic and neoplastigenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

ALL800 CAS: 4346-51-4 HR: 2
2-AMINO-5-NITROBENZENESULFONIC ACID AMMONIUM SALT

mf: $\text{C}_6\text{H}_6\text{N}_2\text{O}_5\text{S}\cdot\text{H}_3\text{N}$ mw: 235.24

SYN: BENZENESULFONIC ACID, 2-AMINO-5-NITRO-, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

orf-rat LD:>10 g/kg GTPZAB 32(4),55,88
 ipr-rat LD50:2280 mg/kg GTPZAB 32(4),55,88
 orl-mus LD:>10 g/kg GTPZAB 32(4),55,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and NH_3 .

ALM000 CAS: 1211-40-1 HR: 1
4-AMINO-4'-NITROBIPHENYL

mf: $\text{C}_{12}\text{H}_{10}\text{N}_2\text{O}_2$ mw: 214.24

PROP: Red needles from EtOH. Mp: 203–204°.

SYN: 4'-NITRO-4-BIPHENYLAMINE

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate MUREAV 149,9,85
 uns-mus-ipr 25 mg/kg MUREAV 268,255,92

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

ALM100 CAS: 26196-45-2 HR: D
4-AMINO-3-NITRO-6-CHLOROANILINE

mf: $\text{C}_6\text{H}_6\text{ClN}_3\text{O}_2$ mw: 187.60

SYNS: 1,4-BENZENEDIAMINE, 2-CHLORO-5-NITRO- □ 2-CHLORO-5-NITRO-1,4-BENZENEDIAMINE

TOXICITY DATA with REFERENCE:

mic-bac-sat 500 µg/plate MUREAV 307,83,94

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

ALM120 CAS: 155379-83-2 HR: D
4-AMINO-3-NITRO-2,5-DIMETHYLANILINE

mf: $\text{C}_8\text{H}_{11}\text{N}_3\text{O}_2$ mw: 181.22

SYNS: 1,4-BENZENEDIAMINE, 2,5-DIMETHYL-3-NITRO- □ 2,5-DIMETHYL-3-NITRO-1,4-BENZENEDIAMINE

TOXICITY DATA with REFERENCE:

mic-bac-sat 250 µg/plate MUREAV 307,83,94

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

ALM140 CAS: 97629-28-2 HR: D
4-AMINO-3-NITRO-5,6-DIMETHYLANILINE

mf: $\text{C}_8\text{H}_{11}\text{N}_3\text{O}_2$ mw: 181.22

SYNS: 1,4-BENZENEDIAMINE, 2,3-DIMETHYL-5-NITRO- □ 2,3-DIMETHYL-5-NITRO-1,4-BENZENEDIAMINE

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 .

ALM250 CAS: 3775-55-1 HR: 2
2-AMINO-5-(5-NITRO-2-FURYL)-1,3,4-OXADIAZOLE

mf: $\text{C}_8\text{H}_7\text{N}_4\text{O}_4$ mw: 223.19

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

ALM500 CAS: 38514-71-5 HR: 1
2-AMINO-4-(5-NITRO-2-FURYL)THIAZOLE

mf: $\text{C}_7\text{H}_5\text{N}_3\text{O}_3\text{S}$ mw: 211.21

SYN: ANFT

TOXICITY DATA with REFERENCE:

mma-sat 100 ng/plate MUREAV 40,9,76
 mmo-esc 300 nmol/well CNREA8 34,2266,74
 dnd-esc 10 µmol/L CBINA8 31,133,80
 dnd-mam:lym 50 µmol/L CRNGDP 3,1339,82

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

ALM750 CAS: 7532-52-7 HR: 2
5-AMINO-3-(5-NITRO-2-FURYL)-s-TRIAZOLE

mf: C₆H₅N₃O₃ mw: 195.16

SYN: 3-(5-NITRO-2-FURYL)-1H-1,2,4-TRIAZOL-5-AMINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:4800 mg/kg JMCMAR 16,312,73
 ipr-mus LD50:1460 mg/kg JMCMAR 16,312,73

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

ALN250 CAS: 50832-74-1 HR: D
3-AMINO-6-(2-(5-NITRO-2-FURYL)VINYLL) PYRIDAZINE HYDROCHLORIDE

mf: C₁₀H₈N₄O₃•ClH mw: 268.68

SYNS: NIFURPRAZINE HYDROCHLORIDE □ (1-(5-NITRO-2-FURYL)-2-(6-AMINO-3-PYRIDAZYL)-ETHYLENE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

mrc-smc 1000 ppm MGGEAE 139,255,75
 cyt-hmn:leu 20 ppm MUREAV 42,109,77
 cyt-ham:lng 20 ppm/2H MUREAV 42,109,77
 sce-ham:lng 5 ppm/24H MUREAV 42,109,77

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

ALN500 CAS: 16239-84-2 HR: D
2-AMINO-4-(2-(5-NITRO-2-FURYL)VINYLL) THIAZOLE

mf: C₉H₇N₃O₃S mw: 237.25

SYN: 1-(2-AMINOTHIAZOLYL)-2-(5-NITRO-2-FURYL)ETHYLENE

TOXICITY DATA with REFERENCE:

mmo-sat 1 nmol/plate FEPR47 41,330,82
 mma-sat 100 ng/plate MUREAV 40,9,76
 mmo-esc 300 nmol/well CNREA8 34,2266,74

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.

ALN750 CAS: 18264-75-0 HR: 2
1-AMINO-3-NITRO GUANIDINE

mf: CH₅N₅O₂ mw: 119.2

SAFETY PROFILE: Very unstable, explosive compound. See also NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to

decomposition it emits toxic fumes of NO_x. Detonates @ 190° (mp).

ALN800 CAS: 10435-35-5 HR: D
4-AMINO-3-NITRO-5-β-HYDROXYETHYL-ANILINE

mf: C₈H₁₁N₃O₃ mw: 197.22

SYNS: BENZENEETHANOLE, 2,5-DIAMINO-3-NITRO- □ 2,5-DIAMINO-3-NITROBENZENEETHANOLE

TOXICITY DATA with REFERENCE:

mic-bac-sat 2500 µg/plate MUREAV 307,83,94

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

ALO000 CAS: 121-88-0 HR: 2
2-AMINO-5-NITROPHENOL

mf: C₆H₆N₂O₃ mw: 154.14

PROP: Orange needles from water. Mp: 207–208°.

H₂N(NO₂)C₆H₃OH

SYNS: C.I. 76535 □ 3-HYDROXY-4-AMINONITROBENZENE □ 2-HYDROXY-4-NITROANILINE □ NCI-C55970 □ 3-NITRO-6-AMINOPHENOL □ 5-NITRO-2-AMINOPHENOL □ RODOL YBA □ URSOL YELLOW BROWN A

TOXICITY DATA with REFERENCE:

mmo-sat 20 µg/plate PNASA6 72,2423,75
 mma-sat 1 µmol/plate MUREAV 58,11,78
 cyt-ham:lng 1 mg/L ATSUDG (4),41,80
 orl-rat TDLo:3756 mg/kg/16D-I:ETA,REP
 orl-rat LD50:>4 g/kg JTEHD6 2,657,77
 ipr-rat LD50:>800 mg/kg JTEHD6 2,657,77 NTPTR* NTP-TR-334,88
 orl-rat TDLo:52 g/kg/13W-I NTPTR* NTP-TR-334,88
 orl-mus TDLo:104 g/kg/13W-I NTPTR* NTP-TR-334,88

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 57,177,93; Animal Limited Evidence IMEMDT 57,177,93; Human Inadequate Evidence IMEMDT 57,177,93. NTP Carcinogenesis Studies (gavage): Some Evidence: rat NTPTR* NTP-TR-334,88. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

SAFETY PROFILE: Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. Mutation data reported. Potentially explosive reaction with nitrous acid. When heated to decomposition it emits toxic fumes of NO_x.

ALO500 CAS: 61702-43-0 HR: 3
2-AMINO-4-NITROPHENOL SODIUM SALT

mf: C₆H₅N₂O₃•Na mw: 176.12

SYN: l'ORTHO, p-AMINONITROPHENOL, SEL SODIQUE (FRENCH)

TOXICITY DATA with REFERENCE:

ipr-dog LDLo:500 mg/kg AIPTAK 50,20,35
 ipr-pgn LDLo:95 mg/kg AIPTAK 50,20,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and Na₂O.

AL0750 CAS: 2871-01-4 HR: 2
2-((4-AMINO-2-NITROPHENYL)AMINO)-
ETHANOL

mf: $C_8H_{11}N_3O_3$ mw: 197.22

SYNS: ETHANOL, 2-((4-AMINO-2-NITROPHENYL)AMINO)-
 HC RED NO. 3 \square 4-(2-HYDROXYETHYL)AMINO-3-NITRO
 ANILINE \square N¹-(2-HYDROXYETHYL)-2-NITRO-p-PHENYL
 ENEDIAMINE \square NCI-C54922

TOXICITY DATA with REFERENCE:

mno-sat 100 μ g/plate NTPTR* NTP-TR-281,86
 orl-mus TDLo:182 g/kg/2Y-C:CAR NTPTR* NTP-TR-
 281,86

CONSENSUS REPORTS: IARC Cancer Review:

Group 3 IMEMDT 57,153,93; Human Inadequate
 Evidence IMEMDT 57,153,93; Animal Inadequate
 Evidence IMEMDT 57,153,93. NTP Carcinogenesis
 Studies (gavage); Equivocal Evidence: mouse NTPTR*
 NTP-TR-281,86; No Evidence: rat NTPTR* NTP-TR-
 281,86. Reported in EPA TSCA Inventory.

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

ALP000 CAS: 2104-09-8 HR: 2
2-AMINO-4-(p-NITROPHENYL)THIAZOLE

mf: $C_9H_7N_3O_2S$ mw: 221.25

TOXICITY DATA with REFERENCE:

orl-rat TDLo:2150 mg/kg/13W-C:CAR JNCIAM
 54,841,75
 orl-mus TDLo:9600 mg/kg/46W-C:ETA CNREA8
 33,1593,73

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

ALP750 CAS: 119-72-2 HR: 1
4-AMINO-4'-NITRO-2,2'-STILBENEDISULFONIC
ACID

mf: $C_{14}H_{12}N_2O_8S_2$ mw: 400.40

SYN: KYSELINA 4-NITRO-4'-AMINOSTILBEN-2,2'-
 DISULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H MLD 28ZPAK -,194,72
 orl-rat LD50:14,200 mg/kg 28ZPAK -,194,72

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. An eye
 irritant. When heated to decomposition it emits very toxic
 fumes of NO_x and SO_x. See also SULFONATES.

ALQ000 CAS: 121-66-4 HR: 3
2-AMINO-5-NITROTHIAZOLE

mf: $C_3H_3N_3O_2S$ mw: 145.15

PROP: Solid. Mp: 195–196°.



SYNS: AMINONITROTHIAZOLE \square
 AMINONITROTHIAZOLUM \square AMINZOL SOLUBLE \square
 ENHEPTIN \square ENTRAMIN \square NCI-C03065 \square NITRAMIN \square
 NITRAMINE \square 5-NITRO-2-AMINO THIAZOLE \square NITROMIN
 IDO \square 5-NITRO-2-THIAZOLYLAMINE \square USAF EK-6561

TOXICITY DATA with REFERENCE:

mno-sat 500 μ g/plate WTMOA3 69,19,82
 mma-sat 666 μ g/plate ENMUDM 7(Suppl 5),1,85
 mmo-esc 50 μ mol/L MUREAV 118,153,83
 mma-esc 800 μ g/plate ENMUDM 7(Suppl 5),1,85
 mmo-klp 200 μ mol/L MUREAV 118,153,83
 orl-rat TDLo:700 mg/kg (14D male):REP TXAPA9
 2,418,60
 orl-rat TD:23 g/kg/46W-C:NEO JNCIAM 54,841,75
 ipr-mus LD50:200 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: IARC Cancer Review:
 Group 3 IMEMDT 7,56,87; Animal Limited Evidence
 IMEMDT 31,71,83. NCI Carcinogenesis Bioassay (feed);
 No Evidence: mouse NCITR* NCI-CG-TR-53,78; Clear
 Evidence: rat NCITR* NCI-CG-TR-53,78. Reported in
 EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route.
 Experimental reproductive effects. Questionable
 carcinogen with experimental carcinogenic, tumorigenic,
 and neoplastigenic data. Mutation data reported. When
 heated to decomposition it emits very toxic fumes of NO_x
 and SO_x. Incompatible with HNO₃ and H₂SO₄. An
 antiprotozoal agent.

ALQ100 CAS: 73834-77-2 HR: D
3-AMINONORHARMAN

mf: $C_{11}H_9N_3$ mw: 183.23

SYNS:

\square 3-AMINO-9H-PYRIDO(3,4-B)INDOLE \square 9H-PYRIDO(3,4-
 B)INDOLE, 3-AMINO-

TOXICITY DATA with REFERENCE:

sce-hmn-lym 500 μ mol/L MUREAV 116,137,1983
 sce-ham-ovr 500 μ mol/L MUREAV 116,137,1983

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

ALQ625 CAS: 58-60-6 HR: D
AMINONUCLEOSIDE PUROMYCIN

mf: $C_{12}H_{18}N_6O_3$ mw: 294.36

SYNS: AMINONUCLEOSIDE \square SAN \square SYTLOMYCIN
 AMINONUCLEOSIDE

TOXICITY DATA with REFERENCE:

dni-hmn:lng 6 mg/L JCLLAX 81,71,73
 oms-hmn:lng 6 mg/L JCLLAX 81,71,73
 scu-rat TDLo:45 mg/kg (female 8-10D post):TER
 NPRNAY 3,344,66

CONSENSUS REPORTS: Reported in EPA TSCA
 Inventory.

SAFETY PROFILE: An experimental teratogen. Other
 experimental reproductive effects. Human mutation data
 reported. When heated to decomposition it emits toxic
 fumes of NO_x.

ALQ635 CAS: 59443-94-6 HR: 2
4-AMINO- β -OXOBENZENEPROPANENITRILE

mf: $C_9H_8N_2O$ mw: 160.19

SYNS: ACETONITRILE, (p-AMINOBENZOYL)- (6Cl,7Cl) \square (p-
 AMINOBENZOYL)ACETONITRILE \square 2-(4-AMINOBENZOYL)
 ACETONITRILE \square BENZENEPROPANENITRILE, 4-AMINO- β -
 OXO-

TOXICITY DATA with REFERENCE:

orl-rat LD50:2263 mg/kg NTIS** OTS0571038

orl-mus LD50:1600 mg/kg NTIS** OTS0571038

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

ALQ640 CAS: 92065-91-3 HR: 3
2-AMINO-2-OXOETHYL-2,2-DIMETHYL-N-(((METHYLAMINO)CARBONYL)OXY)-PROPANIMIDOTHIOATE

mf: C₉H₁₇N₃O₃S mw: 247.35

SYN: PROPANIMIDOTHIOIC ACID, 2,2-DIMETHYL-N-(((METHYLAMINO)CARBONYL)OXY)-, 2-AMINO-2-OXOETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:7070 µg/kg USXXAM #4454134

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

ALQ642 CAS: 92065-82-2 HR: 3
2-AMINO-2-OXOETHYL N-(((METHYLAMINO)CARBONYL)OXY)ETHANIMIDOTHIOATE

mf: C₆H₁₁N₃O₃S mw: 205.26

SYN: ETHANIMIDOTHIOIC ACID, N-(((METHYLAMINO)CARBONYL)OXY)-, 2-AMINO-2-OXOETHYL ESTER

TOXICITY DATA with REFERENCE:

orl-rat LD50:56,600 µg/kg USXXAM #4454134

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

ALQ650 CAS: 645-88-5 HR: 3
AMINOXYACETIC ACID

mf: C₂H₅NO₃ mw: 91.08

SYNS: AOAA □ (CARBOXYMETHOXY)AMINE □ (o-CARBOXYMETHYL)HYDROXYLAMINE □ U 7524

TOXICITY DATA with REFERENCE:

mmo-bcs 1 mol/L MUREAV 4,517,67

ipr-mus LD50:40 mg/kg BCPA6 28,1397,79

scu-mus LD50:40 mg/kg BCPA6 27,103,78

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

ALQ750 CAS: 64046-62-4 HR: 3
2-AMINOXYACETIC ACID BUTYL ESTER, HYDROCHLORIDE

mf: C₆H₁₃NO₃•ClH mw: 183.66

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:50 mg/kg JMPAS 5,464,62

ipr-mus LD50:69 mg/kg JMPAS 5,464,62

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

ALR250 CAS: 6191-22-6 HR: 3
di-AMINOPENTAMIDE HYDROCHLORIDE

mf: C₁₉H₂₄N₂O•ClH mw: 332.91

SYN: α,α-DIPHENYL-γ-DIMETHYLAMINOVALERAMIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:396 mg/kg JPETAB 100,325,50

ivn-mus LD50:35 mg/kg JPETAB 100,325,50

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

ALR500 CAS: 31699-72-6 HR: 3
3-(5-AMINOPENTYL)INDOLE ADIPATE

mf: C₁₃H₁₈N₂•C₆H₁₀O₄ mw: 348.49

SYN: ω-3-INDOLYLAMYLAMINE ADIPINATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:215 mg/kg RPTOAN 33,180,70

ivn-mus LD50:79 mg/kg RPTOAN 33,180,70

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

ALR750 CAS: 28832-64-6 HR: 3
AMINOPERIMIDINE

mf: C₁₁H₉N₃ mw: 183.23

PROP: Crystals. Mp: 239°. Sol in acids; insol in water.

TOXICITY DATA with REFERENCE:

unk-mus LDLo:50 mg/kg ATPMA2 32,177,38

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALS000 CAS: 4176-53-8 HR: 1
1-AMINOPHENANTHRENE

mf: C₁₄H₁₁N mw: 193.26

PROP: Needles from ligroin. Mp: 145–146°.

TOXICITY DATA with REFERENCE:

mma-sat ng/plate ENMUDM 6,497,84

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

ALS100 CAS: 4569-77-1 HR: D
3-AMINO-2-PHENAZINOL

mf: C₁₂H₉N₃O mw: 211.24

SYNS: 2-AMINO-3-HYDROXYPHENAZINE □ 2-PHENAZINOL, 3-AMINO-

TOXICITY DATA with REFERENCE:

mic-bac-sat 80 ng/plate MUREAV 321,43,94

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

ALS250 CAS: 63307-29-9 HR: 3
17-(p-AMINOPHENETHYL)-MORPHINAN-3-OL (-)

mf: C₂₄H₃₀N₂O mw: 362.56

TOXICITY DATA with REFERENCE:

orl-mus LD50:70 mg/kg 31ZPAG 2,85,66

ivn-mus LD50:12 mg/kg 31ZPAG 2,85,66

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

ALS500 CAS: 63732-42-3 HR: 3
(-)-17-(m-AMINOPHENETHYL)-MORPHINAN-3-OL, HYDROCHLORIDE

mf: $C_{24}H_{30}N_2O \cdot ClH$ mw: 399.02

TOXICITY DATA with REFERENCE:

scu-mus LD50:160 mg/kg 31ZPAG 2,85,66

ivn-mus LD50:8 mg/kg 31ZPAG 2,85,66

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

ALS750 CAS: 63732-43-4 HR: 3
(±)-17-(p-AMINOPHENETHYL)MORPHINAN-3-OL, HYDROCHLORIDE

mf: $C_{24}H_{30}N_2O \cdot ClH$ mw: 399.02

TOXICITY DATA with REFERENCE:

scu-mus LD50:207 mg/kg 31ZPAG 2,85,66

ivn-mus LD50:41 mg/kg 31ZPAG 2,85,66

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

ALS990 CAS: 591-27-5 HR: 3
m-AMINOPHENOL

DOT: UN 2946

mf: C_6H_7NO mw: 109.14

PROP: Prisms from toluene. Mp: 123°. Sol in water and alc; sltly sol in ether.

SYNS: m-AMINOFENOL (CZECH) □ 3-AMINO-1-HYDROXY BENZENE □ m-AMINOPHENOL (DOT) □ 3-AMINOPHENOL □ BASF URSOL EG □ C.I. 76545 □ C.I. OXIDATION BASE 7 □ FOURAMINE EG □ FOURRINE 65 □ FOURRINE EG □ FURRO EG □ FUTRAMINE EG □ 3-HYDROXYANILINE □ NAKO TEG □ PELAGOL EG □ RENAL EG □ TERTRAL EG □ URSOL EG □ ZOBA EG

TOXICITY DATA with REFERENCE:

skn-rbt 12,500 µg/24H MLD FCTXAV 15,607,77

eye-rbt 100 mg/24H MOD 28ZPAK -,109,72

sln-nsc 220 mg/L MUREAV 167,35,86

orl-rat LD50:924 mg/kg GTPZAB 32(1),49,88

ihl-rat LC50:1162 mg/m³ GTPZAB 32(1),49,88

ipr-rat LDLo:1 g/kg AIPTAK 131,151,61

orl-mus LD50:401 mg/kg GTPZAB 32(1),49,88

ipr-mus LD50:150 mg/kg NTIS** AD691-490

scu-cat LDLo:70 mg/kg AEXPBL 72,241,13

orl-qal LD50:750 mg/kg AECTCV 12,355,83

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

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x .

ALT000 CAS: 95-55-6 HR: 3
2-AMINOPHENOL

DOT: UN 2512

mf: C_6H_7NO mw: 109.14

PROP: Colorless needles. Mp: 173°, bp: subl. Sol in water and alc; very sol in ether.

SYNS: 2-AMINO-1-HYDROXYBENZENE □ o-AMINOPHENOL □ BASF URSOL 3GA □ BENZOFUR GG □ C.I. 76520 □ C.I. OXIDATION BASE 17 □ FOURAMINE OP □ o-HYDROXY ANILINE □ 2-HYDROXYANILINE □ NAKO YELLOW EGA □ PARADONE OLIVE GREEN B □ PELAGOL 3GA □ PELAGOL GREY GG □ ZOBA 3GA

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD FCTOD7 20,573,82

mma-sat 100 µg/plate ENMUDM 5(Suppl 1),3,83

orl-rat LD50:1300 mg/kg RPTOAN 34,307,71

ipr-rat LDLo:300 mg/kg AIPTAK 131,151,61

scu-rat LD50:37 mg/kg YKYUA6 32,1093,81

orl-mus LD50:1250 mg/kg GTPZAB 25(8),50,81

ipr-mus LD50:200 mg/kg NTIS** AD691-490

scu-cat LDLo:37 mg/kg AEXPBL 72,241,13

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by intraperitoneal and subcutaneous routes. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. An eye irritant. Mutation data reported. When heated to decomposition it emits toxic NO_x . See also AROMATIC AMINES.

ALT250 CAS: 123-30-8 HR: 3
4-AMINOPHENOL

DOT: UN 2512

mf: C_6H_7NO mw: 109.14

PROP: Colorless crystals or plates from water; sltly sol in water, alc, and ether; insol in chloroform. Mp: 189.6–190.2°, bp: 284° (decomp).

SYNS: ACTIVOL □ p-AMINOFENOL (CZECH) □ 4-AMINO-1-HYDROXYBENZENE □ p-AMINOPHENOL (DOT) □ BASF URSOL P BASE □ BENZOFUR P □ CERTINAL □ C.I. OXIDATION BASE 6A □ CITOL □ DURAFUR BROWN RB □ FOURAMINE P □ FOURRINE 84 □ FOURRINE P BASE □ FURRO P BASE □ p-HYDROXYANILINE □ 4-HYDROXYANILINE □ NAKO BROWN R □ PAP □ PARANOL □ PELAGOL GREY P BASE □ PELAGOL P BASE □ RENAL AC □ RODINAL □ TERTRAL P BASE □ URSOL P □ URSOL P BASE □ ZOBA BROWN P BASE

TOXICITY DATA with REFERENCE:

skn-rbt 12,500 µg/24H MLD FCTXAV 15,607,77

eye-rbt 100 mg MLD BIOFX* 29-4/73

spm-mus-ipr 500 mg/kg/5D MUREAV 69,149,80

mmo-ome 5 mg/L MUREAV 173,233,86

orl-rat LD50:375 mg/kg BIOFX* 29-4/73

unr-rat LD50:675 mg/kg GISAAA 50(3),4,85

orl-mus LD50:420 mg/kg GISAAA 35,28,70

ipr-mus LDLo:100 mg/kg RBPMAZ 22,1,52

scu-mus LDLo:470 mg/kg AEPPAE 188,130,38

scu-rat LDLo:37 mg/kg AEXPBL 72,241,13

orl-bwd LD50:56,200 µg/kg AECTCV 12,355,83

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

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. An allergen and skin and eye irritant. Mutation data reported. Can cause contact dermatitis, bronchial asthma, and methemoglobinemia with cyanosis. When heated to decomposition it emits toxic fumes of NO_x.

ALT550 HR: D
m-AMINOPHENOL, chlorinated

mf: C₆H₆ClNO mw: 143.58

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

ALT750 CAS: 63957-37-9 HR: 3
m-AMINOPHENOL ANTIMONYL TARTRATE

mf: C₆H₈NO•C₄H₄O₇Sb mw: 395.98

TOXICITY DATA with REFERENCE:

ipr-mus LD50:55 mg/kg AJTMAQ 25,263,45

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO_x and Sb. See also ANTIMONY COMPOUNDS.

ALU000 CAS: 63957-38-0 HR: 3
o-AMINOPHENOL ANTIMONYL TARTRATE

mf: C₆H₈NO•C₄H₄O₇Sb mw: 395.98

SYN: o-AMINOPHENOL-OXO(TARTRATO)ANTIMONATE(1-)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:63 mg/kg AJTMAQ 25,263,45

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by intraperitoneal route. See also ANTIMONY COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and Sb.

ALU250 CAS: 63957-39-1 HR: 3
p-AMINOPHENOL ANTIMONYL TARTRATE

mf: C₆H₈NO•C₄H₄O₇Sb mw: 395.98

SYN: p-AMINOPHENOL-OXO(TARTRATO)ANTIMONATE(1-)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:50 mg/kg AJTMAQ 25,263,45

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by intraperitoneal route. See also ANTIMONY COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and Sb.

ALU500 CAS: 51-78-5 HR: 2

p-AMINOPHENOL HYDROCHLORIDE

mf: C₆H₇NO•ClH mw: 145.60

PROP: Colorless prisms. Mp: 306° (decomp). Sol in water and alc.

SYN: 4-AMINOPHENOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

slt-dmg-ori 20 mmol/L MUREAV 240,87,90

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALU750 CAS: 69782-45-2 HR: 2
p-AMINOPHENOL TARTRATE

mf: C₆H₇NO•C₄H₆O₆ mw: 259.24

TOXICITY DATA with REFERENCE:

ivn-rbt LDLo:1 g/kg AEXPBL 33,216,1894

scu-gpg LDLo:2 g/kg AEXPBL 33,216,1894

scu-frg LDLo:1515 mg/kg AEXPBL 33,216,1894

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

ALU875 CAS: 76487-32-6 HR: 3
1-(3-(p-AMINOPHENOXY)PROPYL)-4-(o-METHOXYPHENYL)PIPERAZINE DIHYDRO CHLORIDE

mf: C₂₀H₂₇N₃O₂•2ClH mw: 414.42

SYNS: 1-(p-AMINOPHENOXY)-3-(N¹)-(o-METHOXYPHENYL)-N⁴-PIPERAZINYL)PROPANE 2HCl □ COMPOUND 74-637

TOXICITY DATA with REFERENCE:

ori-rat LD50:416 mg/kg DRFUD4 6,346,81

ori-mus LD50:319 mg/kg DRFUD4 6,346,81

ipr-mus LD50:158 mg/kg DRFUD4 6,346,81

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

ALV000 CAS: 15686-71-2 HR: 3
7-(d-α-AMINOPHENYLACETAMIDO)-DESACETOXYCEPHALOSPORANIC ACID

mf: C₁₆H₁₇N₃O₄S mw: 347.42

SYNS: 7-(d-2-AMINO-2-PHENYLACETAMIDO)-3-METHYL-Δ³-CEPHEM-4-CARBOXYLIC ACID □ CEFA-ISKIA □ CEFALOTO □ CEPHALEXIN □ CEPOREX □ CEPOREXIN □ CEPOREXINE □ CEX □ KEFLEX □ KEFORAL □ LARIXIN □ LEXIBIOTICO □ MEDLEXIN □ NEOLEXINA □ ORACEF □ OROXIN □ ORTISPORINA □ S 6437 □ SARTOSONA □ SENCEPHALIN □ SYNCL

TOXICITY DATA with REFERENCE:

ori-hmn TDLo:14 mg/kg/D:GIT AACHAX -,361,68

ipr-rat LD50:4 g/kg KSRNAM 3,390,69

scu-rat LD50:6100 mg/kg KSRNAM 3,390,69

ori-mus LD50:1495 mg/kg NKRZAZ 27(Suppl 7),765,79

ipr-mus LD50:400 mg/kg AACHAX -,489,68

scu-mus LD50:1150 mg/kg OYAA2 3,227,69

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and other routes. An

experimental teratogen. Other experimental reproductive effects. Human systemic effects by ingestion: nausea, vomiting, and diarrhea. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

ALV050 CAS: 7621-86-5 HR: 2
2-(4-AMINOPHENYL)-5-AMINOBENZIMIDAZOLE

mf: C₁₃H₁₂N₄ mw: 224.29

SYNS: 2-(4-AMINOPHENYL)-1H-BENZIMIDAZOL-5-AMINE □ 1H-BENZIMIDAZOL-5-AMINE, 2-(4-AMINOPHENYL)- □ BENZIMIDAZOLE, 5-AMINO-2-(p-AMINOPHENYL)-

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg GISAAA 43(9),23,78

orl-mus LD50:5500 mg/kg GISAAA 43(9),23,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALV100 CAS: 73791-39-6 HR: 3
p-AMINOPHENYLARSINE OXIDE DIHYDRATE

mf: C₆H₆AsNO•2H₂O mw: 219.09

SYNS: ANILINE, p-ARSENOSO-, DIHYDRATE □ 4-ARSENOSOANILINE, DIHYDRATE □ ARSINE, (p-AMINOPHENYL)OXO-, DIHYDRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:4430 µg/kg JPETAB 70,211,40

ivn-mus LD50:100 mg/kg CSLNX* NX#06293

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 intraperitoneal and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and As.

ALV500 CAS: 43087-91-8 HR: 2
5-AMINO-2-PHENYLBENZOTHAZOLE

mf: C₁₃H₁₀N₂S mw: 226.31

SYNS: FABT (CZECH) □ 2-FENYL-5-AMINOBNZTHIAZOL (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,203,72

orl-rat LD50:2940 mg/kg 28ZPAK -,203,72

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

ALV750 CAS: 20123-68-6 HR: 3
1-m-AMINOPHENYL-2-CYCLOPROPYL AMINOETHANOLDIHYDROCHLORIDE

mf: C₁₁H₁₆N₂O•2ClH mw: 265.21

SYN: AB-15

TOXICITY DATA with REFERENCE:

orl-rat LD50:3250 mg/kg BCPCA6 18,2293,69

ipr-rat LD50:710 mg/kg BCPCA6 18,2293,69

ivn-rat LD50:390 mg/kg BCPCA6 18,2293,69

orl-mus LD50:1060 mg/kg BCPCA6 18,2293,69

ipr-mus LD50:470 mg/kg BCPCA6 18,2293,69

ivn-mus LD50:260 mg/kg BCPCA6 18,2293,69

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes.

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

ALW000 CAS: 63979-26-0 HR: 3
1-(4-AMINOPHENYL)-4-(DIETHYLCARBOX AMIDE)-5-METHYL-1,2,3-TRIAZOLE HYDROCHLORIDE

SYN: SKF-183A

TOXICITY DATA with REFERENCE:

orl-rat LD50:494 mg/kg TXAPA9 1,150,59

ipr-mus LD50:260 mg/kg TXAPA9 1,150,59

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

ALW100 CAS: 722-27-0 HR: D
4-AMINOPHENYL DISULFIDE

mf: C₁₂H₁₂N₂S₂ mw: 248.38

SYNS: ANILINE, p,p'-DITHIODI- □ BENZENAMINE, 4,4'-DITHIOBIS-(9CI) □ 4,4'-DITHIOBISBENZENAMINE □ p,p'-DITHIODIANILINE □ 4,4'-DITHIODIANILINE

TOXICITY DATA with REFERENCE:

mma-sat 100 µg/plate MUREAV 67,123,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALW250 CAS: 98-84-0 HR: 2
1-AMINO-1-PHENYLETHANE

mf: C₈H₁₁N mw: 121.20

SYNS: α-METHYLBENZYLAMINE □ α-PHENYLETHYLAMINE □ 1-PHENYLETHYLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H SEV AMIHBC 4,119,51

eye-rbt 250 µg SEV AMIHBC 4,119,51

orl-rat LD50:940 mg/kg AMIHBC 4,119,51

skn-rbt LD50:780 mg/kg AMIHBC 4,119,51

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. See also AMINES. When heated to decomposition it emits toxic fumes of NO_x.

ALW500 CAS: 64038-09-1 HR: 3
5-(p-AMINOPHENYL)-5-ETHYL-1-METHYL BARBITURIC ACID

mf: C₁₃H₁₅N₃O₃ mw: 261.31

SYN: PAM

TOXICITY DATA with REFERENCE:

ims-mus LD50:210 mg/kg TXAPA9 47,305,79

ipr-rat LD50:780 mg/kg PHMCAA 5,237,63

ivn-mus LD50:160 mg/kg ARZNAD 11,809,61

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

ALW750 CAS: 144-14-9 HR: 3
N-β-(p-AMINOPHENYL)ETHYLNORMEPERIDINE

mf: C₂₂H₂₈N₂O₂ mw: 352.52

PROP: Solid. Mp: 83°.

SYNS: 1-(*p*-AMINOPHENETHYL)-4-PHENYLISONIPECOTIC ACID, ETHYL ESTER □ 1-(*p*-AMINOPHENETHYL)-4-PHENYL PIPERIDINE-4-CARBOXYLIC ACID ETHYL ESTER □ *N*-(β-(*p*-AMINOPHENYL)ETHYL)-4-PHENYL-4-CARBETHOXY PIPERIDINE □ ETHYL-1-(*p*-AMINOPHENETHYL)-4-PHENYLISONIPECOTATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:175 mg/kg 27ZIAQ -,65
 ipr-rat LD50:45 mg/kg 27ZIAQ -,44,73
 scu-rat LD50:163 mg/kg 27ZIAQ -,65
 orl-mus LD50:128 mg/kg 27ZIAQ -,44,73
 ipr-mus LD50:53 mg/kg 27ZIAQ -,65
 scu-mus LD50:100 mg/kg 27ZIAQ -,44,73
 ivn-mus LD50:25 mg/kg 27ZIAQ -,44,73

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

ALW900 CAS: 66471-17-8 HR: 2
2-(*m*-AMINOPHENYL)-3-INDOLECARBOX ALDEHYDE, 4-(*m*-TOLYL)-3-THIOSEMI CARBAZONE

mf: C₂₃H₂₁N₃S mw: 399.55

SYN: INDOLE-3-CARBOXALDEHYDE, 2-(*m*-AMINOPHENYL)-, 4-(*m*-TOLYL)-3-THIOSEMICARBAZONE

TOXICITY DATA with REFERENCE:

orl-rbt LD50:800 mg/kg IJMRAQ 66,983,77

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

ALX000 CAS: 130-17-6 HR: 3
2-(*p*-AMINOPHENYL)-6-METHYLBENZO THIAZOLYL-7-SULFONIC ACID

mf: C₁₄H₁₂N₂O₃S₂ mw: 320.40

SYNS: 7-BENZOTHAZOLESULFONIC ACID □ 6-METHYL-2-(*p*-AMINO PHENYL)

TOXICITY DATA with REFERENCE:

ivn-mus LD50:178 mg/kg CSLNX* NX#00718

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALX100 CAS: 1783-81-9 HR: 2
***m*-AMINOPHENYL METHYL SULFIDE**

mf: C₇H₉NS mw: 139.23

SYNS: *m*-AMINOTHIOANISOLE □ 3-AMINOTHIOANISOLE □ ANILINE, *m*-(METHYLTHIO)- □ BENZENAMINE, 3-(METHYL THIO)-(9CI) □ 3-METHYLMERCAPTOANILINE □ *m*-(METHYL THIO)ANILINE □ 3-(METHYLTHIO)BENZENAMINE

TOXICITY DATA with REFERENCE:

orl-qal LD50:750 mg/kg AECTCV 12,355,83
 orl-brd LD50:750 mg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ALX120 CAS: 219959-86-1 HR: 3
AMINOPHENYLNORHARMAN

mf: C₁₇H₁₃N₃ mw: 259.31

SYNS: 9-(4'-AMINOPHENYL)-9H-PYRIDO(3,4-B)INDOLE □ BENZENAMINE, 4-(9H-PYRIDO(3,4-B)INDOL-9-YL)-

TOXICITY DATA with REFERENCE:

sce-ham-lng 0.005 mg/L/6H MUREAV 515,181,2002
 cyt-ham-lng 0.00125 mg/L/6H MUREAV 515,181,2002
 mic-sat 1 mg/L/20M MUREAV 515,181,2002
 orl-rat TDLo:90 mg/kg TXAPA9 175,169,2001

SAFETY PROFILE: A poison by ingestion.

Questionable carcinogen with experimental neoplastic data reported. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.

ALX250 CAS: 13425-22-4 HR: 3
2-AMINO-5-PHENYL-OXAZOLINE FORMATE

mf: C₉H₁₀N₂O•C₄H₄O₄ mw: 278.29

SYNS: AMINOREXFUMARATE □ MENOCIL

TOXICITY DATA with REFERENCE:

orl-chd TDLo:1 mg/kg:CNS ATXKA8 26,117,70
 orl-hmn TDLo:3 mg/kg:CNS ATXKA8 26,117,70
 orl-rat LD50:25 mg/kg ATXKA8 26,117,70

SAFETY PROFILE: Poison by ingestion. Human central nervous system effects by ingestion. When heated to decomposition it emits toxic fumes of NO_x.

ALX500 CAS: 61706-44-3 HR: 3
2-(*p*-AMINOPHENYL)-2-PHENYLPROPIONAMIDE

mf: C₁₅H₁₆N₂O mw: 240.33

SYNS: 2-FENIL-2-(*p*-AMINOFENIL)PROPIONAMIDE (ITALIAN) □ 2-PHENYL-2-(*p*-AMINOPHENYL)PROPIONAMIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1600 mg/kg FRPSAX 31,671,76
 orl-mus LD50:260 mg/kg FRPSAX 31,671,76

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

ALX750 CAS: 3314-35-0 HR: 3
3-AMINO-1-PHENYL-2-PYRAZOLINE

mf: C₉H₁₁N₃ mw: 161.23

SYN: 1-FENYL-3-AMINOPYRAZOLIN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,144,72
 eye-rbt 100 mg/24H SEV 28ZPAK -,144,72
 orl-rat LD50:78 mg/kg 28ZPAK -,144,72

SAFETY PROFILE: Poison by ingestion. Moderately toxic skin irritant. Severe eye irritant. When heated to decomposition it emits toxic fumes of NO_x.

ALX879 HR: 1
4-AMINO-5-PHENYL-3-PYRAZOLYL METHYL KETONE

mf: C₁₁H₁₁N₃O mw: 201.25

SYN: 1-(4-AMINO-5-PHENYL(1H)-PYRAZOL-3-YL)ETHANONE

TOXICITY DATA with REFERENCE:

orl-mus LD50:1 g/kg FRPSAX 39,618,84

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

ALY000 CAS: 33421-40-8 HR: D**2-AMINO-5-PHENYLPYRIDINE**mf: C₁₁H₁₀N₂ mw: 170.23**SYN:** d,l-PHENYLALANINE, PYROLYZATE**TOXICITY DATA with REFERENCE:**

mma-sat 100 µg/plate CPBTAL 26,611,78

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**ALY100 CAS: 75240-16-3 HR: D**
3-AMINO-1-PHENYL-5H-PYRIDO(4,3-B)INDOLE ACETATEmf: C₁₇H₁₃N₃•C₂H₄O₂ mw: 319.39**SYNS:** 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-1-PHENYL-, ACETATE □ 5H-PYRIDO(4,3-B)INDOL-3-AMINE, 1-PHENYL-, MONOACETATE**TOXICITY DATA with REFERENCE:**

mic-sat 50 ng/plate CRNGDP 1,451,1980

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x.**ALY250 CAS: 134-37-2 HR: 2****1-(3-AMINOPHENYL)-2-PYRIDONE**mf: C₁₁H₁₀N₂O mw: 186.23**PROP:** Crystals. Mp. 182.5–184.5°.**SYNS:** AMINOPHENYLPYRIDONE □ 1-(3-AMINOPHENYL)-2-(1H)-PYRIDINONE □ 1-(m-AMINOPHENYL)-2(1H)-PYRIDONE □ 1-m-AMINOPHENYL-2-PYRIDONE □ AMPHENIDONE □ DORNWAL □ DORNWALL**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2300 mg/kg FEPRA7 19,390,60

orl-mus LD50:1300 mg/kg FEPRA7 19,390,60

ivn-mus LD50:660 mg/kg 27ZQAG -,201,72

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x.**ALY500 CAS: 41136-03-2 HR: 3****2-AMINO-5-PHENYLTHIOMETHYL-2-OXAZOLINE**mf: C₁₀H₁₂N₂OS mw: 208.30**TOXICITY DATA with REFERENCE:**

orl-mus LD50:147 mg/kg JMCMA 16,510,73

ipr-mus LD50:178 mg/kg JMCMA 16,510,73

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.**ALY675 CAS: 4922-98-9 HR: 3****3-AMINO-3-PHENYL-1,2,4-TRIAZOLE**mf: C₈H₈N₄ mw: 160.18**PROP:** Crystals from water. Mp: 186–187°.**SAFETY PROFILE:** Reaction with nitrous acid gives a touch sensitive explosive product. Upon decomposition it emits toxic fumes of NO_x.**ALY750 CAS: 59690-88-9 HR: 2****1-(m-AMINOPHENYL)UREA HYDROCHLORIDE**mf: C₇H₉N₃O•ClH mw: 187.65**SYN:** m-AMINOFENYLMOCOVINA HYDROCHLORID (CZECH)**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg/24H SEV 28ZPAK -,165,72

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits very toxic fumes of NO_x and HCl.**ALZ000 CAS: 51249-05-9 HR: 2****AMINOPHON**mf: C₁₈H₃₇NO₃P mw: 346.53**SYNS:** 1-(BUTYLAMINO)CYCLOHEXYLPHOSPHONIC ACID DIBUTYL ESTER □ O,O-DIBUTYL-1-BUTYLAMINO-CYCLOHEXYLPHOSPHONATE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3000 mg/kg EQSFAP 3,686,75

skn-rat LD50:1200 mg/kg EQSFAP 3,686,75

ipr-rat LD50:1385 mg/kg EQSFAP 3,686,75

orl-mus LD50:3475 mg/kg EQSFAP 3,686,75

skn-rbt LD50:500 mg/kg EQSFAP 3,686,75

orl-ham LD50:10,000 mg/kg EQSFAP 3,686,75

SAFETY PROFILE: Moderately toxic by several routes. When heated to decomposition it emits very toxic fumes of PO_x and NO_x.**AMA000 CAS: 1990-90-5 HR: 2****4-AMINO-3-PICOLINE**mf: C₆H₈N₂ mw: 108.16**PROP:** Crystals from C₆H₆/pet ether. Mp: 108–109°.**SYN:** PHILLIPS 1908**TOXICITY DATA with REFERENCE:**

orl-rat LD50:446 mg/kg TXAPA9 21,315,72

orl-brd LD50:2400 µg/kg TXAPA9 21,315,72

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**AMA010 CAS: 1603-41-4 HR: 3****6-AMINO-3-PICOLINE**mf: C₆H₈N₂ mw: 108.16**SYNS:** 2-AMINO-5-METHYLPYRIDINE □ 3-PICOLINE, 6-AMINO- □ 2-PYRIDINAMINE, 5-METHYL-**TOXICITY DATA with REFERENCE:**

orl-rat LD50:200 mg/kg 85JCAE -,841,86

scu-mus LD50:110 mg/kg AJEBAK 36,491,58

skn-gpg LD50:400 mg/kg 85JCAE -,841,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, subcutaneous, and skin contact routes. When heated to decomposition it emits toxic vapors of NO_x.**AMA100 CAS: 26844-49-5 HR: 3**
(4-AMINOPIPERIDINO)METHYL INDOL-3-YL KETONEmf: C₁₅H₁₉N₃O mw: 257.37**PROP:** A liquid.**SYN:** KETONE, (4-AMINOPIPERIDINO)METHYL INDOL-3-YL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:>400 mg/kg JMCMA 14,1054,71

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.

AMA250 CAS: 616-30-8 HR: 3**3-AMINO-1,3-PROPANEDIOL**mf: C₃H₉NO₂ mw: 91.13**SYNS:** 1-AMINOGLYCEROL □ 2,3-DIHYDROXYPROPYLAMINE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:7500 mg/kg SCCUR* -,1,61

orl-mus LD50:2460 mg/kg SCCUR* -,1,61

ipr-mus LD50:246 mg/kg SCCUR* -,1,61

ipr-rbt LD50:198 mg/kg SCCUR* -,1,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.**AMA500 CAS: 78-96-6 HR: 3****1-AMINOPROPAN-2-OL**mf: C₃H₉NO mw: 75.13**PROP:** Liquid, slt ammonia odor, sol in water. D: 0.969, mp: 1.4°, flash p: 171°F, vap d: 2.6.**SYNS:** α-AMINOISOPROPYL ALCOHOL □ 1-AMINO-2-

PROPANOL □ 2-HYDROXYPROPYLAMINE □

ISOPROPANOLAMINE □ MONO-ISO-PROPANOLAMINE □ THREAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 485 mg open MOD UCDS** 5/21/71

eye-rbt 970 µg SEV UCDS** 5/21/71

orl-rat LD50:1715 mg/kg GTPZAB 30(7),46,86

ipr-mus LDLo:250 mg/kg CBCCT* 4,232,52

skn-rbt LD50:1640 mg/kg UCDS** 5/21/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Moderately flammable in presence of heat, flame, sparks, powerful oxidizers. Ignites on contact with cellulose nitrate of high surface area. Catalyzes the explosive polymerization of 2,4-hexadienal. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of NO_x.**AMB000 CAS: 138-61-4 HR: 3****AMINOPROPANOL****PYROCATECHOLHYDROCHLORIDE**mf: C₉H₁₃NO₃•ClH mw: 219.69**SYNS:** 3,4-DIHYDROXYNOREPHEDRINE HYDROCHLORIDE

□ 3,4-DIHYDROXYPHENYLAMINOPROPANOL

HYDROCHLORIDE □ 3,4-DIHYDROXYPHENYLPROPANOL-

AMINE HYDRO CHLORIDE □ ISOADRENALINE

HYDROCHLORIDE □ α-METHYLNORADRENALINE

HYDROCHLORIDE □ NORHOMO EPINEPHRINE

HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

scu-rat LDLo:3 mg/kg JPETAB 71,62,41

ivn-rbt LDLo:11 mg/kg JACSAT 53,4149,31

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and Cl⁻.**AMB250 HR: 3****2-AMINO PROPIONITRILE**mf: C₃H₆N₂ mw: 70.1**CONSENSUS REPORTS:** Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** A poison and dangerous fire hazard. Can explode in storage. See also NITRILES. Upon decomposition it emits toxic fumes of CN⁻ and NO_x.**AMB500 CAS: 151-18-8 HR: 2****3-AMINOPROPIONITRILE**mf: C₃H₆N₂ mw: 70.11**PROP:** Liquid; amine odor. Bp: 185°.**SYNS:** β-AMINOPROPIONITRILE □ BAPN □ β-CYANOETHYLAMINE**TOXICITY DATA with REFERENCE:**

sce-mus:emb 1250 mg/kg ARTODN 47,305,81

skn-mus LDLo:12,800 mg/kg EMPSAL 39,154,83

ipr-mus LD50:1152 mg/kg EMPSAL 39,154,83

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory. Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. Nitriles usually have cyanide-like effects. See also CYANIDE. Easily oxidized and unstable. A storage hazard; it polymerizes to an explosive yellow solid. When heated to decomposition it emits toxic fumes of CN⁻ and NO_x. For fire and explosion hazards see CYANIDE.**AMB750 CAS: 2079-89-2 HR: 2****β-AMINOPROPIONITRILE FUMARATE**mf: C₃H₆N₂•2C₄H₄O₄ mw: 302.27**SYNS:** β-APN □ BAPN FUMARATE □ DI-β-AMINOPROPIONITRILE FUMARATE □ DI-BAPN FUMARATE**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:800 mg/kg TJADAB 5,33,72

ipr-mus LD50:5362 mg/kg EMPSAL 39,154,83

orl-ham LD50:5000 mg/kg TJADAB 14,43,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory. Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. An experimental teratogen. When heated to decomposition it emits toxic fumes of NO_x and CN⁻. See also NITRILES.**AMC000 CAS: 70-69-9 HR: 3****p-AMINOPROPIOPHENONE**mf: C₉H₁₁NO mw: 149.21**PROP:** Needles from water. Mp: 140°.**SYNS:** 1-(4-AMINOPHENYL)-1-PROPANONE □ ETHYL-p-AMINOPHENYL KETONE □ PAPP □ PARAMINO PROPIOPHENONE □ USAF UCLT-1856**TOXICITY DATA with REFERENCE:**

orl-rat LD50:177 mg/kg BECTA6 30,122,83

ipr-rat LDLo:525 mg/kg CJBPAZ 38,667,60

orl-mus LD50:168 mg/kg GEPHPD 14,465,83

ipr-mus LD50:80 mg/kg NTIS** AD277-689
 orl-cat LD50:5600 µg/kg BECTA6 30,122,83
 orl-mam LD50:5600 µg/kg BECTA6 30,122,83

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

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Ingestion of large doses can cause cyanosis. A flammable liquid. When heated to decomposition it emits toxic fumes of NO_x.

AMC250 CAS: 112-33-4 HR: 2
3-AMINOPROPOXY-2-ETHOXY ETHANOL

mf: C₇H₁₇NO₃ mw: 163.25

SYN: POLYGLYCOLAMINE H-163

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 1/20/72
 eye-rbt 2 mg/24H SEV 85JCAE -,633,86
 orl-rat LD50:6500 mg/kg AIHAAP 30,470,69
 ihl-rat LCLo:20,000 ppm/30M AIHAAP 30,470,69
 skn-rbt LD50:5990 mg/kg AIHAAP 30,470,69

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 toxic fumes of NO_x.

AMC500 CAS: 31897-98-0 HR: 3
1-(3-AMINOPROPYL)ADAMANTANE-HYDROCHLORIDE

mf: C₁₃H₂₃N•ClH mw: 229.83

SYN: 3-(1-ADAMANTYL)PROPYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-mus LD50:600 mg/kg JMCMA 17,602,74
 ipr-mus LD50:150 mg/kg JMCMA 17,602,74

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

AMC750 CAS: 63717-27-1 HR: 3
2-((3-AMINOPROPYL)AMINO) ETHANETHIOL, DIHYDROGEN PHOSPHATE (ester-HYDRATE)

mf: C₅H₁₅N₂O₃PS•H₂O mw: 232.27

SYN: PHOSPHOROTHIOIC ACID, S-ESTER with 2-((3-AMINOPROPYL)AMINO)ETHANETHIOL, HYDRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:700 mg/kg JMCMA 12,236,69
 unk-mus LD50:375 mg/kg JMCMA 9,911,66

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

AMD000 CAS: 20537-88-6 HR: 3
AMINOPROPYL AMINOETHYLTHIO-PHOSPHATE

mf: C₅H₁₅N₂O₃PS mw: 214.25

PROP: Solid. Mp: 160–161°.

SYNS: AMINOFOSTINE □ 2-((3-AMINOPROPYL)AMINO)-ETHANETHIOL, DIHYDROGEN PHOSPHATE ESTER (9CI) □ S-ω-(3-AMINOPROPYLAMINO)ETHYL DIHYDROGEN PHOSPHORO THIOATE □ S-(2-(3-AMINOPROPYLAMINO)ETHYL) PHOSPHORO THIOATE □ S,2-(3-AMINOPROPYL-AMINO)ETHYL-PHOS PHOROTHIOIC ACID □ 2-(3-AMINOPROPYLAMINO)ETHYL THIOPHOSPHATE □ APAETP □ AU-95722 □ ETHIOFOS □ GAMMAPHOS □ NSC-296961 □ SAPEP □ WR 2721 □ YM-08310

TOXICITY DATA with REFERENCE:

cyt-mus-ipr 300 mg/kg CUSCAM 54,1080,85
 ipr-rat LD50:418 mg/kg RADOA8 16,249,76
 ims-rat LD50:396 mg/kg RADOA8 16,249,76
 orl-mus LD50:842 mg/kg RADOA8 20,746,80
 ipr-mus LD50:321 mg/kg NCISP* JAN86
 ivn-mus LD50:557 mg/kg NTIS** PB81-199580
 ims-mus LD50:514 mg/kg RADOA8 16,249,76
 ivn-dog LDLo:279 mg/kg TOPADD 13,58,85
 ipr-gpg LD50:407 mg/kg RADOA8 16,249,76

SAFETY PROFILE: Poison by intravenous, intramuscular, and intraperitoneal routes. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. See also ESTERS and PHOSPHATES. When heated to decomposition it emits very toxic fumes of SO_x, PO_x, and NO_x.

AMD250 CAS: 56643-49-3 HR: 2
S-3-(ω-AMINOPROPYLAMINO)-2-HYDROXY PROPYL DIHYDROGEN PHOSPHORO-THIOATE

mf: C₆H₁₇N₂O₄PS mw: 244.28

TOXICITY DATA with REFERENCE:

orl-mus LD50:1200 mg/kg JMCMA 18,803,75
 ipr-mus LD50:875 mg/kg JMCMA 18,803,75

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of PO_x, NO_x, and SO_x.

AMD500 CAS: 1945-32-0 HR: 3
N-(3-AMINOPROPYL)-1,4-BUTANEDIAMINE, PHOSPHATE

mf: C₇H₁₉N₃•7H₃O₄P mw: 831.29

SYNS: SPD PHOSPHATE □ SPERMIDINE PHOSPHATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:468 mg/kg LIFSAK 23,2137,78
 ivn-mus LD50:92 mg/kg LIFSAK 23,2137,78

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by intraperitoneal route. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of PO_x and NO_x.

AME000 CAS: 3179-76-8 HR: 3
(3-AMINOPROPYL)DIETHOXYMETHYLSILANE

mf: C₈H₂₁NO₂Si mw: 191.39

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H open MLD AIHAAP 23,95,62
 orl-rat LD50:4760 mg/kg AIHAAP 23,95,62
 ipr-mus LD50:40 mg/kg RCRVAB 38(12),975,69
 skn-rbt LD50:2520 mg/kg AIHAAP 23,95,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion and skin contact. A skin irritant. When heated to decomposition it emits toxic fumes of NO_x.

AME100 CAS: 10563-29-8 HR: 3
N'-(3-AMINOPROPYL)-N,N-DIMETHYL-PROPANE-1,3-DIAMINE

mf: C₈H₂₁N₃ mw: 159.32

SYNS: N'-(3-AMINOPROPYL)-N,N-DIMETHYL-1,3-PROPANE DIAMINE □ DIMETHYLDIPROPYLENETRIAMINE □ N,N-DIMETHYLDIPROPYLENETRIAMINE □ 1,3-PROPANE DIAMINE, N'-(3-AMINOPROPYL)-N,N-DIMETHYL-

TOXICITY DATA with REFERENCE:

orl-unr LD50:1432 mg/kg GTPZAB 28(11),50,84

ipr-unr LD50:72 mg/kg GTPZAB 28(11),50,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AME500 CAS: 299-26-3 HR: 3
3-(2-AMINOPROPYL)INDOLE

mf: C₁₁H₁₄N₂ mw: 174.27

SYNS: INDOPAN □ α-METHYL-β-INDOLAETHYLAMINE (GERMAN) □ α-METHYL-β-INDOLEETHYLAMINE □ α-METHYLTRYPTAMINE

TOXICITY DATA with REFERENCE:

orl-hmn TDL₀:384 µg/kg:PSY JNMDAN 131,428,60

orl-rat LD50:22 mg/kg TXAPA9 4,547,62

scu-rat LD50:50 mg/kg FATOAO 29,224,66

ivn-rat LD50:75 mg/kg FATOAO 29,224,66

ipr-mus LD50:20 mg/kg PSYPAG 16,385,70

scu-mus LDLo:500 mg/kg JPMRAB 3,235,29

ivn-mus LDLo:120 mg/kg JPMRAB 3,235,29

scu-rbt LDLo:500 mg/kg JPMRAB 3,235,29

ivn-rbt LDLo:90 mg/kg JPMRAB 3,235,29

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by subcutaneous route. Human psychotropic effects by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

AME750 CAS: 18237-15-5 HR: 3
3-(γ-AMINOPROPYL)-INDOLEHYDRO-CHLORIDE

mf: C₁₁H₁₄N₂•ClH mw: 210.73

SYNS: HOMOTRYPTAMINE HYDROCHLORIDE □ INDOLE-3-PROPYLAMINE HYDROCHLORIDE □ γ-3-INDOLYLPROPYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:235 mg/kg RPTOAN 33,180,70

ivn-mus LD50:98 mg/kg RPTOAN 33,180,70

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

AMF250 CAS: 123-00-2 HR: 3

4-AMINOPROPYLMORPHOLINE

mf: C₇H₁₆N₂O mw: 144.25

PROP: Liquid. Mp: -15°, bp: 224.7°, flash p: 220°F (OC), d: 0.9872 @ 20°/20°, vap press: 0.06 mm @ 20°, vap d: 4.97.

SYNS: N-(3-AMINOPROPYL)MORFOLIN □ N-(3-AMINO PROPYL)MORPHOLINE □ MORPHOLINE, N-AMINOPROPYL-

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H SEV AMIHBC 4,119,51

skn-rbt 500 mg open SEV UCDS** 3/25/70

eye-rbt 1 mg UCDS** 3/25/70

eye-rbt 250 µg/24H SEV 85JCAE -,890,86

orl-rat LD50:3560 mg/kg UCDS** 3/25/70

skn-rbt LD50:1230 mg/kg AMIHBC 4,119,51

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A corrosive material. Moderately toxic by several routes. A severe skin and eye irritant. Combustible. Can react with oxidizing materials. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits toxic fumes of NO_x.

AMF375 CAS: 3690-04-8 HR: 2
AMINOPROPYLON

mf: C₁₆H₂₂N₄O₂ mw: 302.42

PROP: Prisms from benzene. Mp: 181°. Very sol in water.

SYNS: AMINOPROPYLONE □ AMIPYLO □ N-ANTIPYRINYL-2-(DIMETHYLAMINO)PROPIONAMIDE □ N-(2,3-DIHYDRO-1,5-DIMETHYL-3-OXO-2-PHENYL-1H-PYRAZOL-4-YL)-2-

(DIMETHYL AMINO)PROPANAMIDE □ 4-(2-(DIMETHYLAMINO) PROPIONAMIDO)ANTIPYRINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:2950 mg/kg OYYAA2 13,109,77

ipr-mus LD50:820 mg/kg OYYAA2 13,109,77

ims-mus LD50:2120 mg/kg OYYAA2 13,109,77

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

AMF500 CAS: 1075-61-2 HR: 3
m-(2-AMINOPROPYL)PHENOL

mf: C₉H₁₃NO mw: 151.23

SYN: α-METHYL-m-TYRAMINE

TOXICITY DATA with REFERENCE:

scu-mus LD50:17 mg/kg ARZNAD 15,219,65

ivn-mus LD50:82 mg/kg ARZNAD 15,219,65

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

AMF600 CAS: 51961-45-6 HR: 2
N-(3-AMINOPROPYL)-1,3-PROPANEDIAMINE POLYMER WITH (CHLOROMETHYL)-OXIRANE

mf: (C₆H₁₇N₃•C₃H₅ClO)_x

SYNS: HOE S 3837 □ 1,3-PROPANEDIAMINE, N-(3-AMINO PROPYL)-, POLYMER WITH (CHLOROMETHYL)OXIRANE

TOXICITY DATA with REFERENCE:

eye-rbt 100 µL SEV NTIS** OTS0536941

SAFETY PROFILE: A severe eye irritant. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

AMF750 **CAS: 17869-27-1** **HR: 3**
**6-AMINO-1-PROPYL-4-(p-((p-((1-PROPYL
 PYRIDINIUM-4-YL)AMINO)-2-AMINO-
 PHENYL) CARBAMOYL)ANILINO)-
 QUINOLINIUM) DIODIDE)**

mf: $C_{33}H_{37}N_7O \cdot 2I$ mw: 801.57

TOXICITY DATA with REFERENCE:

dnd-mus:lym 710 nmol/L JMCMA 22,134,79

ipr-mus LD10:10 mg/kg JMCMA 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also IODIDES. When heated to decomposition it emits very toxic fumes of NO_x and I^- .

AMG000 **CAS: 68772-13-4** **HR: 3**
**6-AMINO-1-PROPYL-4-(p-((p-((1-PROPYL
 PYRIDINIUM-4-YL)AMINO) PHENYL)
 CARBAMOYL) ANILINO) QUINOLINIUM)
 DIBROMIDE)**

mf: $C_{33}H_{36}N_6O \cdot 2Br$ mw: 692.57

TOXICITY DATA with REFERENCE:

dnd-mus:lym 680 nmol/L JMCMA 22,134,79

ipr-mus LD10:10 mg/kg JMCMA 22,134,79

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

AMG050 **CAS: 79801-90-4** **HR: D**
2-AMINO-3-PROPYL-9H-PYRIDO(2,3-B)INDOLE

mf: $C_{14}H_{15}N_3$ mw: 225.32

SYNS: 9H-PYRIDO(2,3-B)INDOLE, 2-AMINO-3-PROPYL- \square 9H-PYRIDO(2,3-B)INDOL-2-AMINE, 3-PROPYL-

TOXICITY DATA with REFERENCE:

mic-sat 150 μ L/plate ABCHA6 45,2031,1981

dnr-bcs 10 μ L/plate ABCHA6 45,2031,1981

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

AMG100 **CAS: 75240-12-9** **HR: D**
**3-AMINO-1-PROPYL-5H-PYRIDO(4,3-B)INDOLE
 ACETATE**

mf: $C_{14}H_{15}N_3 \cdot C_2H_4O_2$ mw: 285.38

SYNS: 5H-PYRIDO(4,3-B)INDOLE, 3-AMINO-1-PROPYL-, ACETATE \square 5H-PYRIDO(4,3-B)INDOL-3-AMINE, 1-PROPYL-, MONOACETATE

TOXICITY DATA with REFERENCE:

mic-sat 50 ng/plate CRNGDP 1,451,1980

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

AMG200 **CAS: 17887-09-1** **HR: 3**
(3-AMINOPROPYL)TRIETHYLSILANE

mf: $C_9H_{23}NSi$ mw: 173.42

SYNS: 1-PROPANAMINE, 3-(TRIETHYLSILYL)- \square PROPYL AMINE, 3-(TRIETHYLSILYL)- \square SILANE, (3-AMINOPROPYL) TRIETHYL- \square TRIETHYL(3-AMINOPROPYL)SILANE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:90 mg/kg RCRVAB 38,975,1969

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

AMG500 **CAS: 17869-27-1** **HR: 2**
**1-(3-AMINOPROPYL)-2,8,9-TRIOXA-5-AZA-1-
 SILABICYCLO(3.3.3) UNDECANE**

mf: $C_9H_{20}O_3Si$ mw: 204.38

SYN: 3-AMINOPROPYLSILATRAN (CZECH)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H SEV 28ZPAK -,220,72

eye-rbt 20 mg/24H SEV 28ZPAK -,220,72

orl-rat LD50:5800 mg/kg 28ZPAK -,220,72

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

AMG750 **CAS: 54-62-6** **HR: 3**
AMINOPTERIDINE

mf: $C_{19}H_{20}N_8O_5$ mw: 440.47

PROP: Yellow needles, sol in sodium hydroxide soln.

SYNS: 4-AMINO-4-DEOXYPTEROYLGLUTAMATE \square 4-AMINO-PGA \square AMINOPTERIN \square 4-AMINOPTEROYL-GLUTAMIC ACID \square APGA \square ENT 26,079 \square FOLIC ACID, 4-AMINO- \square NSC-739

TOXICITY DATA with REFERENCE:

spm-mus-ipr 2 mg/kg/5D PNASA6 78,4425,78

mnt-mus-ipr 5 mg/kg/5D-C CNJGA8 21,319,79

orl-wmn TDLo:120 μ g/kg:GIT AJOGAH 63,1298,52

orl-rat LDLo:2500 μ g/kg JPETAB 95,303,49

ipr-rat LD50:3 mg/kg CANCAR 9,955,56

orl-mus LD50:3 mg/kg CKFRAY 28,159,79

ipr-mus LD50:1900 μ g/kg JPETAB 95,303,49

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human and experimental teratogenic data. Other experimental reproductive effects. Mutation data reported. Human systemic effects by ingestion: gastrointestinal. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO_x .

AMH000 **CAS: 452-06-2** **HR: D**
2-AMINOPURINE

mf: $C_5H_5N_5$ mw: 135.15

PROP: Crystals from water. Mp: 277–278°.

SYNS: 1H-PURIN-2-AMINE \square SQ 22451

TOXICITY DATA with REFERENCE:

mno-sat 100 μ g/PLATE MUREAV 111,283,83

mno-asn 7400 μ mol/L MUREAV 75,1,80

cyt-mus:emb 4 mmol/L MUREAV 75,1,80

otr-ham:emb 100 mg/L PNASA6 78,5685,81

sce-ham:ovr 100 μ mol/L CHROAU 85,603,82

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

AMH250 **CAS: 154-42-7** **HR: 3**
2-AMINOPURINE-6-THIOL

mf: $C_5H_5N_5S$ mw: 167.21

PROP: Needles from water.

SYNS: 2-AMINO-6-MERCAPTOPYRIMIDINE \square 2-AMINO-6-MP \square 2-AMINO-6-PURINETHIOL \square 2-AMINOPURINE-6(1H)-THIONE \square BW 5071 \square LANVIS \square 6-MERCAPTO-2-AMINOPURINE \square 6-MERCAPTOGUANINE \square NSC-752 \square 6H-PURINE-6-THIONE, 2-

AMINO-1,7-DIHYDRO- (9CI) □ TABLOID □ TG □ ThG □
THIOGUANINE □ 6-THIOGUANINE □ TIOGUANIN □
TIOGUANINE □ WELLCOME U3B

TOXICITY DATA with REFERENCE:

skn-hmn 29 mg/3W CTRRDO 63,619,79
cyt-hmn:fbr 73 mg/L MUREAV 4,353,67
sce-rat:oth 200 nmol/L BCPCA6 34,515,85
dnd-ham:ovr 50 µg/L PAACA3 24,295,83
oms-ham:ovr 50 µg/L PAACA3 24,295,83
cyt-ham:lng 50 µg/L MUREAV 139,149,84
sce-ham:lng 15 µg/L MUREAV 139,149,84
ipr-rat LD50:300 mg/kg JRPFA4 291,62
orl-mus LD50:160 mg/kg EKfMA7 9,56,80
ipr-mus LD50:54 mg/kg EKfMA7 9,56,80

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human mutation data reported. An experimental teratogen. Other reproductive effects. A human skin irritant. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

AMH500 CAS: 58048-24-1 HR: 3
1-(6-AMINO-9H-PURIN-9-YL)-N-CYCLOPROPYL-1-DEOXY-2,3-DIHYDROXYRIBO-FURANURONAMIDEDICETATE

mf: C₁₇H₂₀N₆O₆ mw: 404.43

TOXICITY DATA with REFERENCE:

orl-mus LD50:20 mg/kg JMCMAr 23,313,80
ipr-mus LD50:5 mg/kg JMCMAr 23,313,80

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

AMH750 CAS: 58048-26-3 HR: 3
1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-2,3-DIHYDROXY-N-ETHYLRIBOFURANURON-AMIDE DIACETATE

mf: C₁₆H₂₀N₆O₆ mw: 392.42

TOXICITY DATA with REFERENCE:

orl-mus LD50:2 mg/kg JMCMAr 23,313,80
ipr-mus LD50:2 mg/kg JMCMAr 23,313,80

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

AMH800 CAS: 54262-83-8 HR: D
(S)-3-(6-AMINO-9H-PURIN-9-YL)-1,2-PROPANE DIOL

mf: C₈H₁₁N₅O₂ mw: 209.24

SYNS: (S)-DHPA □ (S)-9-(2,3-DIHYDROXYPROPYL)ADENINE □ 1,2-PROPANEDIOL, 3-(6-AMINO-9H-PURIN-9-YL)-, (S)-

TOXICITY DATA with REFERENCE:

dni-rbt:kdy 326 mg/L JMCMAr 28,282,85

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

AMH850 CAS: 55904-02-4 HR: D
(R,S)-3-(6-AMINO-9H-PURIN-9-YL)-1,2-PROPANEDIOL

mf: C₈H₁₁N₅O₂ mw: 209.24

SYNS: (R,S)-9-(2,3-DIHYDROXYPROPYL)ADENINE □ 1,2-PROPANEDIOL, 3-(6-AMINO-9H-PURIN-9-YL)-, (R,S)- □ 1,2-PROPANEDIOL, 3-(6-AMINO-9H-PURIN-9-YL)-, (+-)- □ (RS)-DHPA

TOXICITY DATA with REFERENCE:

slt-orl-uns-dmg 1000 ppm MUREAV 311,305,1994

dni-rbt-kdy 311 mg/L JMCMAr 28,282,1985

uns-rbt-kdy 376 mg/L JMCMAr 28,282,1985

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

AMI000 CAS: 504-29-0 HR: 3

2-AMINOPYRIDINE

DOT: UN 2671

mf: C₅H₆N₂ mw: 94.13

PROP: White powder or crystals from ligroin. Mp: 58.1, bp: 210.6°. Sol in water and ether; very sol in alc; sltly sol in ligroin. IDLH 5 ppm.

SYNS: o-AMINOPYRIDINE □ α-AMINOPYRIDINE □ AMINO-2-PYRIDINE □ α-PYRIDINAMINE □ α-PYRIDYLAMINE

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:5 ppm/5H:CNS IMSUAI 19,317,50

orl-rat LD50:200 mg/kg 85JCAE -,838,86

ipr-mus LD50:35 mg/kg JMCMAr 8,296,65

scu-mus LD50:70 mg/kg AEPPAE 226,163,55

ivn-mus LD50:23 mg/kg APFRAD 26,345,68

orl-qal LD50:133 mg/kg AECTCV 12,355,83

orl-bwd LD50:31,600 µg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.5 ppm

ACGIH TLV: TWA 0.5 ppm

DFG MAK: 0.5 ppm (2 mg/m³)

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion, inhalation, subcutaneous, intravenous, and intraperitoneal routes.

Toxic effects resemble strychnine poisoning. Human systemic effects by inhalation: somnolence, convulsions, and antipsychotic effects. Human central nervous system effects by inhalation. When heated to decomposition it emits highly toxic fumes of NO_x.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: 2-Aminopyridine S158.

AMI250 CAS: 462-08-8 HR: 3

3-AMINOPYRIDINE

DOT: UN 2671

mf: C₅H₆N₂ mw: 94.13

PROP: Leaflets or crystals from benzene or ligroin. Mp: 64°, bp: 251°. Very sol in water, alc, ether; insol in ligroin.

SYNS: m-AMINOPYRIDINE (DOT) □ AMINO-3-PYRIDINE □ 3-PYRIDINAMINE □ 3-PYRIDYLAMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:28 mg/kg JMCMAr 8,296,65

scu-mus LD50:30 mg/kg AEPPAE 226,163,55

ivn-mus LD50:24 mg/kg APFRAD 26,345,68

orl-qal LD50:178 mg/kg AECTCV 12,355,83

orl-bwd LD50:13,300 µg/kg AECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 6.1; Label: Poison

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

AMI500 CAS: 504-24-5 HR: 3
4-AMINOPYRIDINE

DOT: UN 2671

mf: C₅H₆N₂ mw: 94.13

PROP: Needles or crystals from benzene. Mp: 158°; sol in water; sltly sol in benzene and ether.

SYNS: AMINO-4-PYRIDINE □ γ-AMINOPYRIDINE □ p-AMINOPYRIDINE □ 4-AP □ AVITROL □ 4-PYRIDINAMINE □ 4-PYRIDYLAMINE □ RCRA WASTE NUMBER P008 □ VMI 10-3

TOXICITY DATA with REFERENCE:

orl-man LDLo:590 µg/kg CTOXAO 16,487,80

orl-rat LD50:21 mg/kg JTCEEM 6(3),175,86

ipr-rat LD50:6500 µg/kg TXAPA9 26,532,73

orl-mus LDLo:42 mg/kg AECTCV 14,111,85

ipr-mus LD50:10 mg/kg JMCMA8 8,296,65

scu-mus LD50:5 mg/kg APFRAD 26,345,68

orl-pgn LD50:7500 µg/kg ASTTA8 (680),157,79

orl-qal LD50:7650 µg/kg ASTTA8 (680),157,79

orl-dck LD50:4200 mg/kg TXAPA9 21,315,72

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

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: hallucinations and distorted perceptions, dyspnea, nausea or vomiting. When heated to decomposition it emits toxic fumes of NO_x.

AMI600 CAS: 143621-35-6 HR: 3
3-AMINO-PYRIDINE-2-CARBOXALDEHYDE

mf: C₇H₉N₃S mw: 195.27

SYNS:

□ 2-((3-AMINO-2-PYRIDINYL)METHYLENE)HYDRAZINE-CARBOTHIOAMIDE □ 3-AMINOPYRIDINE-2-CARBOX-ALDEHYDE THIOSEMICARBAZONE □ HYDRAZINE-CARBOTHIOAMIDE, 2-((3-AMINO-2-PYRIDINYL)METHYLENE)- □ TRIAPINE

TOXICITY DATA with REFERENCE:

ivn-rat LDLo:20 mg/kg IJTOFN 19,85,2000

ivn-dog TDLo:3 mg/kg/15M IJOTO* 19,85,2000

ivn-rat TDLo:10 mg/kg IJOTO* 19,85,2000

ivn-rat LD :20 mg/kg IJOTO* 19,85,2000

ivn-rat TDLo:20 mg/kg IJOTO* 19,85,2000

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

AMI750 CAS: 73074-20-1 HR: 3
3-AMINOPYRIDINE HYDROCHLORIDE

mf: C₅H₆N₂•ClH mw: 130.59

SYN: 3-PYRIDINAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:79 mg/kg 34ZIAG -,93,69

orl-dog LDLo:23 mg/kg 34ZIAG -,93,69

skn-rbt LDLo:327 mg/kg 34ZIAG -,93,69

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

AMJ000 CAS: 1003-40-3 HR: 3
4-AMINOPYRIDINE HYDROCHLORIDE

mf: C₅H₆N₂•ClH mw: 130.59

SYN: 4-PYRIDINAMIDE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:28 mg/kg 34ZIAG -,93,69

scu-rat LD50:10,130 µg/kg EKMAA8 18,98,79

scu-mus LD50:11,900 µg/kg EKMAA8 18,98,79

orl-dog LDLo:4 mg/kg 34ZIAG -,93,69

skn-rbt LDLo:327 mg/kg 34ZIAG -,93,69

orl-pig LDLo:18 mg/kg 34ZIAG -,93,69

SAFETY PROFILE: Poison by ingestion, skin contact and subcutaneous routes. An eye irritant. When heated to decomposition it emits very toxic fumes of HCl and NO_x.

AMJ250 CAS: 3535-75-9 HR: 3
4-AMINOPYRIDINE-1-OXIDE

mf: C₅H₆N₂O mw: 110.13

SYNS: 4-AMINO-PYRIDINEN-OXIDE □ PHILLIPS 1863

TOXICITY DATA with REFERENCE:

orl-rat LD50:75 mg/kg TXAPA9 21,315,72

orl-bwd LD50:85 mg/kg TXAPA9 21,315,72

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

AMJ500 CAS: 30194-63-9 HR: 3
**4-AMINO-N-(2-(4-(2-PYRIDINYL)-1-PIPERAZIN-
 YL)ETHYL)BENZAMIDE**

mf: C₁₈H₂₃N₅O mw: 325.46

SYN: S 1688

TOXICITY DATA with REFERENCE:

orl-mus LD50:441 mg/kg ARZNAD 24,1970,74

ipr-mus LD50:250 mg/kg ARZNAD 24,1964,74

ivn-mus LD50:162 mg/kg ARZNAD 24,1970,74

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

AMJ600 CAS: 69901-70-8 HR: D
3-AMINO-5H-PYRIDO(4,3-b)INDOLE

mf: C₁₁H₉N₃ mw: 183.1

TOXICITY DATA with REFERENCE:

mma-sat 2500 nmol/L PNASA6 77,1427,80

dnd-mam:lym 100 µmol/L PNASA6 77,1427,80

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

AMJ625 CAS: 70145-80-1 HR: 3
**2-AMINO-5-(4-PYRIDYL)-1,3,4-THIADIAZOLE
 HYDROCHLORIDE**

mf: C₇H₆N₄S•ClH mw: 214.69

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg JMCMA8 8,676,65

scu-mus LD50:200 mg/kg JMCMA8 8,676,65

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by ingestion. When heated to

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

AMV752 CAS: 57667-51-3 HR: D
2-AMINO-3,5,6-TRIMETHYLIMIDAZO(4,5-b) PYRIDINE

mf: C₉H₁₂N₄ mw: 176.22

SYN: 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3,5,6-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AMJ750 CAS: 59985-27-2 HR: 2
2-(2-AMINO-4-PYRIMIDINYL VINYL) QUINOXALINE-N,N'-DIOXIDE

mf: C₁₄H₁₁N₅O₂ mw: 281.30

SYN: 2-AMINO-4-((2-QUINOXALINYL-N,N'-DIOXIDE)VINYLPYRIMIDINES

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:500 mg/kg RVFTBB 7,117,76

orl-mus LDLo:4000 mg/kg RVFTBB 7,117,76

ipr-mus LDLo:1000 mg/kg RVFTBB 7,117,76

orl-rbt LDLo:2000 mg/kg RVFTBB 7,117,76

orl-gpg LDLo:1000 mg/kg RVFTBB 7,117,76

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

AMK250 CAS: 8015-18-7 HR: 2
AMINOPYRINE-BARBITAL

mf: C₁₃H₁₇N₃O•C₈H₁₂N₂O₃ mw: 415.55

PROP: Silky needles. Mp: 113–115°. Freely sol in water.

SYNS: BARBIMON □ COTALMON □ GRELAN □ MATANOL

□ PFETFFER'S SUBSTANCE □ PYRABITAL □ PYRAMON □

SEDALON □ VERAMID □ VERAMON

TOXICITY DATA with REFERENCE:

scu-mus TDLo:900 mg/kg (9-11D preg):TER TXCYAC 29,281,84

ipr-rat TDLo:400 mg/kg (1D male):REP KSRNAM 14,723,80

ipr-rat LD50:476 mg/kg OYYAA2 16,229,78

orl-mus LD50:1466 mg/kg OYYAA2 8,453,74

ipr-mus LD50:450 mg/kg OYYAA2 16,229,78

orl-mky LDLo:1 g/kg HBAMAK 4,1289,35

orl-rbt LDLo:1200 mg/kg HBAMAK 4,1289,35

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

AMK500 CAS: 68-89-3 HR: 3
AMINOPYRINE SODIUM SULFONATE

mf: C₁₃H₁₇N₃O₄S•Na mw: 334.38

PROP: Minute crystals. Sol in water.

SYNS: (ANTIPYRINYL METHYLAMINO)METHANESULFONIC ACID SODIUM SALT □ METHYLAMINOANTIPYRINE SODIUM METHANESULFONATE □ 4-METHYLAMINO-1,5-DIMETHYL-2-PHENYL-3-PYRAZOLONE SODIUM METHANESULFONATE □ METHYLAMINOPHENYLDIMETHYLPYRAZOLONE METHANE SULFONATE SODIUM □ 1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE-4-METHYLAMINOMETHANESULFONATE

SODIUM □ 1-PHENYL-2,3-DIMETHYLPYRAZOLONE-(5)-4-METHYLAMINOMETHANESULFONICACID SODIUM □ PHENYL DIMETHYL PYRAZOLON METHYL AMINOMETHANE SODIUM SULFONATE □ 4-SODIUM METHANESULFONATE METHYLAMINE-ANTIPYRINE □ SODIUM METHYLAMINO ANTIPYRINE METHANESULFONATE □ SODIUM-4-METHYLAMINO-1,5-DIMETHYL-2-PHENYL-3-PYRAZOLONE 4-METHANESULFONATE □ SODIUM NORAMIDOPYRINE METHANESULFONATE □ SODIUM-1-PHENYL-2,3-DIMETHYL-4-METHYLAMINOPYRAZOLON-N-METHANESULFONATE □ SODIUM-1-PHENYL-2,3-DIMETHYL-5-PYRAZOLONE-4-METHYLAMINO METHANESULFONATE □ SODIUM PHENYLDIMETHYL PYRAZOLON METHYLAMINO METHANE SULFONATE

TOXICITY DATA with REFERENCE:

mma-sat:1 mg/plate AMONDS 3,253,80

cyt-hmn:lym 250 mg/L SOGEBZ 11,528,75

orl-mus TDLo:536 mg/kg/78W-C:NEO JJIND8 71,1295,83

orl-rat LD50:3 g/kg ARZNAD 21,719,71

scu-rat LD50:2117 mg/kg ARZNAD 24,600,74

ivn-rat LD50:2182 mg/kg ARZNAD 26,703,76

ims-rat LD50:1625 mg/kg RPTOAN 51,183,88

orl-mus LD50:2891 mg/kg ARZNAD 24,600,74

ipr-mus LD50:250 mg/kg AIPTAK 107,322,56

scu-mus LD50:69 mg/kg RPTOAN 31,53,68

orl-rbt LD50:2150 mg/kg GTPZAB 23(12),47,79

SAFETY PROFILE: Poison by subcutaneous route. Moderately toxic by several other routes. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. Questionable carcinogen with experimental neoplastigenic data. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

AMK700 CAS: 580-22-3 HR: D
2-AMINOQUINOLINE

mf: C₉H₈N₂ mw: 144.19

SYNS: 2-QUINOLINAMINE (9CI) □ QUINOLINE, 2-AMINO-

TOXICITY DATA with REFERENCE:

mma-sat 500 nmol/plate ABCHA6 42,861,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMK725 CAS: 580-17-6 HR: 3
3-AMINOQUINOLINE

mf: C₉H₈N₂ mw: 144.19

SYNS: 3-QUINOLINEAMINE □ QUINOLINE, 3-AMINO-

TOXICITY DATA with REFERENCE:

mma-sat 5 μmol/plate MUREAV 187,191,87

ipr-mus LD50:150 mg/kg FATOAO 41,708,78

ivn-mus LD50:180 mg/kg CSLNX* NX#03890

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AML250 CAS: 578-66-5 HR: D
8-AMINOQUINOLINE

mf: C₉H₈N₂ mw: 144.19

PROP: Yellow needles or crystals from alc (ligroin). Mp: 70°. Sol in hot water.

TOXICITY DATA with REFERENCE:

mno-sat 50 µg/plate MUREAV 39,285,77
 dnr-sat 350 µg/disc MUREAV 39,285,77
 mno-smc 1 mg/L MUREAV 39,285,77
 cyt-hmn:leu 100 µmol/L MUREAV 39,285,77

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

AML500 CAS: 2508-86-3 HR: D

4-AMINOQUINOLINE-1-OXIDE

mf: C₉H₈N₂O mw: 160.19

PROP: Solid. Mp: 272° (decomp).

SYN: 1-OXIDE-4-QUINOLINAMINE

TOXICITY DATA with REFERENCE:

mrc-esc 500 µg/well CNREA8 32,2369,72
 mno-bcs 5 g/L MUREAV 42,19,77
 dnr-bcs 5 g/L MUREAV 42,19,77
 cyt-ham:lng 100 mg/L ATSUDG (4),41,80

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

AML600 CAS: 634-60-6 HR: 3

2-AMINORESORCINOL HYDROCHLORIDE

mf: C₆H₇NO₂·ClH mw: 161.60

SYN: RESORCINOL, 2-AMINO-, HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:500 mg/kg JPETAB 90,260,47
 ipr-rat LD50:30 mg/kg PHBUA9 3,337,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMM000 CAS: 3131-60-0 HR: 1
5-AMINO-2-β-d-RIBOFURANOSYL-as-TRIAZIN-3(2H)-ONE

mf: C₈H₁₂N₄O₅ mw: 244.24

SYN: 6-AZACYTIDINE

TOXICITY DATA with REFERENCE:

sln-dmg-par 21 mmol/L BCPA6 15,299,66
 ipr-rat LD50:9200 mg/kg RPTOAN 50,50,87
 ipr-mus LD50:14 g/kg BCPA6 14,151,65

SAFETY PROFILE: Mildly toxic by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

AMM125 CAS: 117-55-5 HR: 1
AMINO-S ACID

mf: C₁₀H₉NO₆S₂ mw: 303.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:56 g/kg GISAAA 45(3),73,80
 orl-mus LD50:56 g/kg GISAAA 45(3),73,80
 orl-rbt LD50:24 g/kg GISAAA 45(3),73,80
 orl-gpg LD50:24 g/kg GISAAA 45(3),73,80

SAFETY PROFILE: When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also SULFONATES.

AMM250 CAS: 65-49-6 HR: 2

4-AMINOSALICYLIC ACID

mf: C₇H₇NO₃ mw: 153.14

PROP: Needles, plates, or crystals from EtOH/Et₂O.

Mp: 147°. Sol in dil acid or base. Very sol in water and alc; sltly sol in ether.

SYNS: 4-AMINO-2-HYDROXYBENZOIC ACID □ AMINOPAR □ AMINOSALICYLIC ACID □ p-AMINOSALICYLIC ACID □ AMINOX □ APACIL □ APAS □ DEAPASIL □ ENTEPAS □ GABBROPAS □ HELLIPIDYL □ 2-HYDROXY-4-AMINO-BENZOIC ACID □ 3-HYDROXY-4-CARBOXYANILINE □ KYSELINA-p-AMINOSALICYLOVA (CZECH) □ NSC-2083 □ OSACYL □ PAMACYL □ PAMISYL □ PARAMYCIN □ PARA-PAS □ PARASAL □ PARASALICIL □ PARASALINDON □ PAS □ PASA □ PASALON □ PASARA □ PAS-C □ PASCORBIC □ PASEM □ PASK □ PASMED □ PASNODIA □ PASOLAC □ PROPASA □ REZIPAS □ SANIPRIOL-4

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H MOD 85JCAE -,659,86
 cyt-mus:mmr 2 mmol/L/24H-C JTSCDR 5,141,80
 eye-rbt 100 mg/24H MOD 28ZPAK -,106,72
 cyt-mus-orl 50 mg/kg NULSAK 22,96,79
 orl-mus LD50:4 g/kg JPPMAB 2,764,50
 ipr-mus LD50:4250 mg/kg ZENBAX 6B,183,51
 scu-mus LD50:4 g/kg JPPMAB 2,764,50
 ivn-mus LD50:3898 mg/kg ANTBAL 18,249,73
 orl-rbt LD50:3650 mg/kg FEPA7 10,289,51

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

SAFETY PROFILE: Moderately toxic ingestion and other routes. An eye irritant. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

AMM500 CAS: 89-57-6 HR: 3

5-AMINOSALICYLIC ACID

mf: C₇H₇NO₃ mw: 153.14

PROP: Needles from NaHSO₃. Mp: decomp @

260–283°. Sol in HCl and CS₂; sltly sol in hot water; insol in alc.

SYNS: 5-AMINO-2-HYDROXYBENZOIC ACID □ m-AMINOSALICYLIC ACID □ p-AMINOSALICYLSAEURE (GERMAN)

TOXICITY DATA with REFERENCE:

orl-man TDLo:51 mg/kg/5D-I:GIT,SKN,CNS LANCAO 1,917,84
 orl-wmn TDLo:8 mg/kg:GIT,SKN,CNS LANCAO 1,917,84
 orl-mus LD50:5 g/kg ZENBAX 6B,183,51
 ipr-mus LDLo:313 mg/kg CBCCT* 2,58,50

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by ingestion. Human systemic effects by ingestion: hypermotility, diarrhea, dermatitis, increased body temperature. When heated to decomposition it emits toxic fumes of NO_x.

AMM750 CAS: 551-36-0 HR: 3
***p*-AMINOSALICYLIC ACID, 2-(DIETHYLAMINO) ETHYL ESTER, HYDROCHLORIDE**mf: C₁₂H₁₈N₂O₃•ClH mw: 274.78**PROP:** Prisms from EtOH. Mp: 154°.**SYNS:** 4-AMINO-2-HYDROXYBENZOIC ACID, 2-(DIETHYLAMINO)ETHYL ESTER, HYDROCHLORIDE (9CI) □ 4-AMINOSALICYLIC ACID-2-(DIETHYLAMINO)ETHYL ESTER HYDROCHLORIDE □ *p*-AMINOSALICYLSAEUREDIA ETHYL AMINOAEETHYLESTER-CHLORHYDRAT (GERMAN) □ C 4201 □ HCl SALZ des *p*-AMINO-SALICYLSAEURE-DIAETHYL AMINO AETHYLESTER (GERMAN) □ SALICYLIC ACID, 4-AMINO-, 2-(DIETHYLAMINO)ETHYL ESTER, HYDROCHLORIDE □ VERBINDUNG S 557 HCl □ WIN 2022**TOXICITY DATA with REFERENCE:**

orl-rat LD50:130 mg/kg ZENBAX 6B,183,51
 ipr-rat LDLo:190 mg/kg ARZNAD 1,154,51
 ivn-rat LDLo:36 mg/kg ARZNAD 1,154,51
 orl-mus LD50:135 mg/kg ZENBAX 6B,183,51
 ipr-mus LD50:115 mg/kg ARZNAD 1,154,51
 scu-mus LD50:282 mg/kg ARZNAD 8,708,58
 ivn-mus LD50:37 mg/kg JPETAB 104,40,52

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO_x and HCl. See also ESTERS.**AMN000 CAS: 78280-31-6 HR: 3**
***p*-AMINOSALICYLIC ACID, 2-(DIMETHYL-AMINO)ETHYL ESTER HYDROCHLORIDE**mf: C₁₁H₁₆N₂O₃•ClH mw: 260.75**SYNS:** 4-AMINO-2-HYDROXYBENZOIC ACID, 2-(DIMETHYL-AMINO)ETHYL ESTER, HYDROCHLORIDE □ C 4200 □ 2-(DIMETHYLAMINO)ETHYL-*p*-AMINOSALICYLATE □ HCl SALZ des *p*-AMINO-SALICYLSAEURE-DIMETHYLAMINO AETHYL-ESTER (GERMAN)**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:290 mg/kg ARZNAD 1,154,51
 ivn-rat LDLo:63 mg/kg ARZNAD 1,154,51
 scu-mus LD50:560 mg/kg ARZNAD 8,708,58
 ivn-mus LD50:67 mg/kg JPETAB 123,269,58

SAFETY PROFILE: Poison by intraperitoneal and intravenous routes. Moderately toxic by subcutaneous route. See also ESTERS. When heated to decomposition it emits toxic fumes of NO_x and HCl.**AMN250 CAS: 6946-29-8 HR: 3**
***p*-AMINOSALICYLIC ACID HYDRAZIDE**mf: C₇H₉N₃O₂ mw: 167.19**TOXICITY DATA with REFERENCE:**

orl-rbt LDLo:250 mg/kg CLDND*
 unk-dog LDLo:30 mg/kg CLDND*

SAFETY PROFILE: Poison by ingestion and other unspecified routes. When heated to decomposition it emits toxic fumes of NO_x.**AMN275 CAS: 49860-08-4 HR: 1**
5-AMINOSALICYLIC ACID-*o*-SULFATE SODIUM SALTmf: C₇H₅NO₆S•2Na mw: 277.17**SYNS:** 5-ASA SULFATE SODIUM SALT □ BENZOIC ACID, 5-AMINO-2-(SULFOOXY)-, DISODIUM SALT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>6 g/kg ARZNAD 45,300,1995

SAFETY PROFILE: Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO_x and SO_x.**AMN300 CAS: 7722-06-7 HR: 3**
4-AMINO-1,2,5-SELENADIAZOLE-3-CARBOX AMIDEmf: C₃H₄N₄OSe mw: 191.07**SYNS:** NSC-84963 □ 1,2,5-SELENADIAZOLE-3-CARBOXAMIDE, 4-AMINO-**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:4 mg/kg AACHAX -,551,66

OSHA PEL: TWA 0.2 mg(Se)/m³**ACGIH TLV:** TWA 0.2 mg(Se)/m³**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NO_x and Se.**AMN500 CAS: 15267-04-6 HR: 3**
2-AMINOSELENOAZOLINEmf: C₃H₆N₂Se mw: 149.07**SYNS:** 2-AMINOSELENOAZOLIN (GERMAN) □ 2-ASc**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:160 mg/kg STRAAA 151,78,76

scu-mus LD50:177 mg/kg STRAAA 151,78,76

ivn-mus LD50:151 mg/kg STRAAA 151,78,76

CONSENSUS REPORTS: Selenium compounds are on the Community Right-To-Know List.**OSHA PEL:** TWA 0.2 mg(Se)/m³**ACGIH TLV:** TWA 0.2 mg(Se)/m³**DFG MAK:** 0.1 mg(Se)/m³**SAFETY PROFILE:** Poison by intraperitoneal, subcutaneous, and intravenous routes. When heated to decomposition it emits very toxic fumes of NO_x and Se. See also SELENIUM COMPOUNDS.**AMO000 CAS: 4309-66-4 HR: 2**
trans-4-AMINOSTILBENEmf: C₁₄H₁₃N mw: 195.28**PROP:** Light-yellow needles from EtOH. Mp: 151°.**SYNS:** 4-(2-PHENYLETHENYL)BENZENAMINE,(E) □ trans-4-STILBENE □ trans-4-N-STILBENAMINE**TOXICITY DATA with REFERENCE:**

mma-sat 10 µg/plate PNASA6 70,2281,73

orl-rat TDLo:200 mg/kg/13W-C:CAR CNREA8 24,128,64

scu-rat TDLo:26 mg/kg/4W-I:CAR,REP CNREA8 24,128,64

scu-rat TD:63 mg/kg/6W-I:ETA PTRMAD 241,147,48

SAFETY PROFILE: Questionable carcinogen with experimental carcinogenic and tumorigenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.**AMO250 CAS: 3432-10-8 HR: 1**
2-(*p*-AMINOSTYRYL)-6-(*p*-ACETYLAMINO BENZOYLAMINO)QUINOLINE METHO-ACETATEmf: C₂₇H₂₅N₄O₂•C₂H₃O₂ mw: 496.61

SYN: STYRYL 430

TOXICITY DATA with REFERENCE:

mno-esc 1 pph CRSBAW 142,453,48

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

AM0750 CAS: 74039-02-4 HR: 1
2, (4'-AMINO-3'-SULFO-1,1'-BIPHENYL-4-YL)-2H-NAPHTHO(1,2-4)TRIAZOLE-6,8-DISULFONIC ACID, TRIPOTASSIUM SALT

mf: C₂₂H₁₃N₄O₉S₃•3K mw: 690.87

SYN: 2-(4'-AMINOXENYL)NAFTO-α,β-TRIAZOL-6,8,3'TRISULFONAN DRASELNY (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,196,72

orl-rat LD50:8330 mg/kg 28ZPAK -,196,72

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x, SO_x, and K₂O.

AMP000 CAS: 29727-70-6 HR: 1
6-AMINO-5-SULFOMETHYL-2-NAPHTHALENE SULFONIC ACID

mf: C₁₁H₁₁NO₆S₂ mw: 317.35

SYN: KYSELINA 1-SULFOMETHYL-2-NAFTYLAMIN-6-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,190,72

orl-rat LD50:9200 mg/kg 28ZPAK -,190,72

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AMP500 CAS: 16760-18-2 HR: 3
3,3'-(2-AMINOTEREPHTHALOYLBIS(IMINO(3-AMINO-p-PHENYLENE)CARBONYL-IMINO))BIS(1-ETHYLPYRIDINIUM), DI-p-TOLUENESULFONATE

mf: C₃₆H₃₆N₉O₄•2C₇H₇O₃S mw: 1001.21

TOXICITY DATA with REFERENCE:

dnd-mus:lym 260 nmol/L JMCMA 22,134,79

ipr-mus LD10:14 mg/kg JMCMA 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. See also SULFONATES. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

AMP750 CAS: 16802-49-6 HR: 3
3,3'-(2-AMINOTEREPHTHALOYLBIS(IMINO(3-AMINO-p-PHENYLENE)CARBONYL-IMINO))BIS(1-PROPYLPYRIDINIUM), DI-p-TOLUENE SULFONATE

mf: C₃₈H₄₁N₉O₄•2C₇H₇O₃S mw: 1030.28

TOXICITY DATA with REFERENCE:

dnd-mus:lym 260 nmol/L JMCMA 22,134,79

ipr-mus LD10:10 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.

AMQ000 CAS: 16760-14-8 HR: 3
3,3'-(2-AMINOTEREPHTHALOYLBIS(IMINO-p-PHENYLENECARBONYLIMINO))BIS(1-ETHYL PYRIDINIUM), DI-p-TOLUENE-SULFONATE

mf: C₃₆H₃₅N₇O₄•2C₇H₇O₃S mw: 972.18

TOXICITY DATA with REFERENCE:

dnd-mus:lym 530 nmol/L JMCMA 22,134,79

ipr-mus LD10:14 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.

AMQ250 CAS: 16760-13-7 HR: 3
3,3'-(2-AMINOTEREPHTHALOYLBIS(IMINO-p-PHENYLENECARBONYLIMINO))BIS(1-METHYL PYRIDINIUM), DI-p-TOLUENE-SULFONATE

mf: C₃₄H₃₁N₇O₄•2C₇H₇O₃S mw: 944.12

TOXICITY DATA with REFERENCE:

dnd-mus:lym 530 nmol/L JMCMA 22,134,79

ipr-mus LD10:20 mg/kg JMCMA 22,134,79

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of SO_x and NO_x.

AMQ500 CAS: 23757-42-8 HR: 3
4-AMINO-2,2,5,5-TETRAKIS(TRIFLUORO METHYL)-3-IMIDAZOLINE

mf: C₇H₃F₁₂N₃ mw: 357.13

PROP: Solid. Mp: 159.7–160.4°.

SYNS: 5-AMINO-2,2,4,4-

TETRAKIS(TRIFLUOROMETHYL)IMIDAZOLIDINE □ EXP 338

TOXICITY DATA with REFERENCE:

orl-rat LD50:19 mg/kg 27ZQAG -,265,72

ipr-rat LD50:12 mg/kg 27ZQAG -,265,72

orl-mus LD50:262 mg/kg 27ZQAG -,265,72

ipr-mus LD50:189 mg/kg 27ZQAG -,265,72

ivn-mus LD50:231 mg/kg 27ZQAG -,265,72

orl-dog LD50:150 mg/kg 27ZQAG -,265,72

orl-gpg LD50:11 mg/kg 27ZQAG -,265,72

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

AMQ600 CAS: 146177-60-8 HR: D
2-AMINO-3,4,5,8-TETRAMETHYLIMIDAZO(4,5-F)QUINOXALINE

mf: C₁₃H₁₅N₅ mw: 241.33

SYNS: 3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE, 3,4,5,8-TETRAMETHYL- □ 3,4,5,8-TETRAMETHYL-3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE

TOXICITY DATA with REFERENCE:

mno-sat 50 ng/dish MUREAV 298,207,93

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

AMQ620 CAS: 132898-07-8 HR: D
2-AMINO-3,4,7,8-TETRAMETHYLIMIDAZO(4,5F)-QUINOXALINE

mf: C₁₃H₁₅N₅ mw: 241.33

SYNS: 3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE, 3,4,7,8-TETRAMETHYL- □ 3,4,7,8-TETRAMETHYL-3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE

TOXICITY DATA with REFERENCE:

mmo-sat 10 ng/dish MUREAV 298,207,93

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

AMQ750 CAS: 6130-92-3 HR: 3
1-AMINO-2,2,6,6-TETRAMETHYLPIPERIDINE

mf: C₉H₂₀N₂ mw: 156.31

PROP: Liquid. Bp: 80–83° @ 20 mm.

TOXICITY DATA with REFERENCE:

orl-mus LD50:261 mg/kg MDCHAG 7,312,67

ivn-mus LD50:44 mg/kg NATUAS 184,1707,59

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

AMQ800 CAS: 36768-62-4 HR: 2
4-AMINO-2,2,6,6-TETRAMETHYLPIPERIDINE

mf: C₉H₂₀N₂ mw: 156.31

SYN: PIPERIDINE, 4-AMINO-2,2,6,6-TETRAMETHYL-

TOXICITY DATA with REFERENCE:

orl-rat LD50:906 mg/kg

GTPZAB 28(5),53,84

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMR000 CAS: 4418-61-5 HR: 3
AMINOTETRAZOLE

mf: CH₃N₅ mw: 85.09

PROP: Crystals. Mp: 206° (decomp).

SYNS: 5-AMINOTETRAZOLE □ 5-AMINO-1H-TETRAZOLE □ 1H-TETRAZOL-5-AMINE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:2500 mg/kg RPTOAN 41,249,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by intraperitoneal route. An unstable material; explodes with KOH. When heated to decomposition it emits toxic fumes of NO_x.

AMR250 CAS: 4005-51-0 HR: 3
2-AMINO-1,3,4-THIADIAZOLE

mf: C₂H₃N₃S mw: 101.14

PROP: Pale-yellow crystals from water or alc. Mp: 190–191°.

SYNS: AMINOTHIADIAZOLE □ ATDA □ 1,3,4-THIADIAZOL-2-AMINE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:200 mg/kg TAKHAA 35,68,76

scu-rat LD50:200 mg/kg JHMJAX 130,95,72

ipr-mus LD50:6500 mg/kg TAKHAA 35,68,76

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

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

AMR500 CAS: 26861-87-0 HR: 3
2-AMINO-1,3,4-THIADIAZOLEHYDROCHLORIDE

mf: C₂H₃N₃S•ClH mw: 137.60

SYNS: 2-AMINO-1,3,4-THIADIAZOLE, MONOHYDROCHLORIDE □ ATDA HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg TJADAB 7,65,73

ipr-mus LD50:250 mg/kg NTIS** AD691-490

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMR750 CAS: 14949-00-9 HR: D
2-AMINO-1,3,4-THIADIAZOLE-5-SULFONAMIDE SODIUM SALT

mf: C₂H₄N₄O₂S₂•Na mw: 203.21

SYNS: CL 5343 SODIUM SALT □ TIO-URASIN SODIUM □ ZOLAMIDE SOLUTION

SAFETY PROFILE: An experimental teratogen. When heated to decomposition it emits very toxic fumes of NO_x, Na₂O, and SO_x.

AMS000 CAS: 6630-99-5 HR: 3
5-AMINO-1,2,3,4-THIATRIAZOLE

mf: CH₂N₄S mw: 102.11

PROP: Crystals. Mp: 128–130°.

SAFETY PROFILE: Very unstable. Explodes weakly at 130°C. Upon decomposition it emits toxic fumes of SO_x and NO_x.

AMS250 CAS: 96-50-4 HR: 3
2-AMINOTHIAZOLE

mf: C₃H₄N₂S mw: 100.15



PROP: Light brown or yellow crystals from alc. Mp: 90°, bp: 140° @ 11 mm (decomp). Sltly sol in water, alc, ether; sol in hot alc.

SYNS: ABADOL □ ABADOLE □ AMINOTHIAZOLE □ BASEDOL □ 2-THIAZOLAMINE □ 2-THIAZOLYLAMINE □ 2-THIAZYLAMINE □ USAF EK-P-5501

TOXICITY DATA with REFERENCE:

mma-sat 3333 µg/plate MUREAV 155,17,85

mmo-klp 1 mmol/L MUREAV 118,153,83

mma-mus:lym 1214 mg/L MUREAV 155,17,85

msc-mus:lym 557 mg/L MUREAV 155,17,85

orl-rat LD50:480 mg/kg JIHTAB 30,71,48

ivn-rat LD50:570 mg/kg AEPPAE 211,367,50
 ipr-mus LD50:200 mg/kg NTIS** AD277-689
 orl-cat LDLo:120 mg/kg JIHTAB 30,71,48
 orl-rbt LD50:370 mg/kg JIHTAB 30,71,48
 orl-gpg LDLo:120 mg/kg JIHTAB 30,71,48

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Mutation data reported. Spontaneous ignition occurs at 100°. Mixtures with nitric acid or nitric acid + sulfuric acid explode on heating. Incompatible with HNO₃ and H₂SO₄. When heated to decomposition it emits very toxic SO_x and NO_x fumes.

AMS625 CAS: 49850-29-5 HR: D
1-AMINO-2-(4-THIAZOLYL)-5-BENZIMIDAZOLE
CARBAMIC ACID ISOPROPYL ESTER

mf: C₁₄H₁₅N₅O₂S mw: 317.40

TOXICITY DATA with REFERENCE:

oms-hmn:oth 2 mg/L THERAP 31,505,76

SAFETY PROFILE: An experimental teratogen. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x. See also CARBAMATES and ESTERS.

AMS650 CAS: 91832-40-5 HR: 2
7-(((2-AMINO-4-THIAZOLYL) (HYDROXYIMINO
ACETYL)AMINO)-3-ETHENYL-8-OXO-5-
THIA-1-AZABICYCLO(4.2.0)OCT-2-ENE-2-
CARBOXYLIC ACID, (6R-(6-α,7-β(Z)))-

mf: C₁₄H₁₃N₅O₅S₂ mw: 395.44

SYNS: BMY 28488 □ CEFDINYL □ CEFDINIR □ FK 482

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5600 mg/kg IYKEDH 23,93,1992
 ipr-rat LD50:>5600 mg/kg IYKEDH 23,93,1992
 scu-rat LD50:>5600 mg/kg IYKEDH 23,93,1992
 ivn-rat LD50:>2 g/kg IYKEDH 23,93,1992
 orl-mus LD50:>5600 mg/kg IYKEDH 23,93,1992
 ipr-mus LD50:>5600 mg/kg IYKEDH 23,93,1992
 scu-mus LD50:>5600 mg/kg IYKEDH 23,93,1992
 ivn-mus LD50:>2 g/kg IYKEDH 23,93,1992
 orl-dog LD50:>1 g/kg NIIRDN-,667,1995

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

AMS675 CAS: 104-96-1 HR: 2
4-AMINOTHIOANISOLE

mf: C₇H₉NS mw: 139.23

SYNS: p-AMINOPHENYL METHYL SULFIDE □ p-AMINOTHIOANISOLE □ ANILINE, p-(METHYLTHIO)- □ BENZENAMINE, 4-(METHYLTHIO)-(9CI) □ 4-(METHYLTHIO)ANILINE □ 4-(METHYLTHIO)BENZENAMINE □ p-THIOANISIDINE □ p-THIOMETHOXYANILINE

TOXICITY DATA with REFERENCE:

orl-qal LD50:562 mg/kg AEECTCV 12,355,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMS750 CAS: 1004-40-6 HR: 3
6-AMINO-2-THIOURACIL

mf: C₄H₅N₃OS mw: 143.18

SYN: URACIL, 6-AMINO-2-THIO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:370 mg/kg ARZNAD 31,1713,81

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMS800 CAS: 20167-22-0 HR: 3
2-((2-AMINO-4-THIAZOLYL)METHYL)ISO-
THIOURONIUM DICHLORIDE

mf: C₅H₈N₄S₂·2ClH mw: 261.21

SYNS: AG 307 □ AGR 307 □ PSEUDOUREA, 2-((2-AMINO-4-THIAZOLYL)METHYL)-2-THIO-, DIHYDROCHLORIDE □ PSEUDOUREA, 2-THIO-, 4-(2-AMINOTHIAZOLYL)METHYL-, DICHLORIDE □ USAF A-1149

TOXICITY DATA with REFERENCE:

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

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

AMT000 CAS: 88-62-0 HR: 2
2-AMINO-p-TOLUENESULFONIC ACID

mf: C₇H₉NO₃S mw: 187.23

PROP: Needles. Sol in water.

SYN: KYSELINA 2-TOLUIDIN-4-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg/24H SEV 28ZPAK -,183,72

orl-rat LD50:8480 mg/kg 28ZPAK -,183,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AMT250 CAS: 133-78-8 HR: 2
4-AMINO-o-TOLUENESULFONIC ACID

mf: C₇H₉NO₃S mw: 187.23

PROP: Needles or plates. Sol in water.

SYN: KYSELINA-3-TOLUIDIN-6-SULFONOVA (CZECH)

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,183,72

SAFETY PROFILE: A severe eye irritant. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

AMT300 CAS: 6219-89-2 HR: D
p-(4-AMINO-m-TOLUIDINO)PHENOL

mf: C₁₃H₁₄N₂O mw: 214.29

SYN: PHENOL, p-(4-AMINO-m-TOLUIDINO)-

TOXICITY DATA with REFERENCE:

mic-sat 100 µLg/plate EMMUEG 19(Suppl 21),2,1992

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**AMT500 CAS: 139-13-9 HR: 3
AMINOTRIACETIC ACID**

mf: C₆H₉NO₆ mw: 191.16

PROP: Prismatic crystals from water. Mp: 242° (decomp), bp: 167° @ 13 mm. Sltly sol in water.

SYNS: N,N-BIS(CARBOXYMETHYL)GLYCINE □ CHEL 300 □ COMPLEXON I □ GLYCINE, N,N-BIS(CARBOXYMETHYL)-(9CI) □ HAMPSHIRE NTA ACID □ KOMPLEXON I □ KYSELINA NITRILOTRIOCTOVA □ NCI-C02766 □ NITRILOTRIACETIC ACID □ NTA □ TITRIplex I □ TRIGLYCINE □ TRI-GLYCOLLAMIC ACID □ TRILON A □ α-α',α"-TRIMETHYL-AMINETRICARBOXYLIC ACID □ VERSENE NTA ACID

TOXICITY DATA with REFERENCE:

orl-rat TDLo:430 g/kg/75W-C:CAR NCITR* NCI-CG-TR-6,77

orl-rat LD50:1100 mg/kg ACIEAY 14,94,75

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

ipr-mus LDLo:125 mg/kg TXAPA9 23,288,72

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 48,181,90; Animal Sufficient Evidence IMEMDT 48,181,90; Human No Adequate Data IMEMDT 48,181,90. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-6,77. Reported in EPA TSCA Inventory. Community Right-To-Know List.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x.

**AMU000 CAS: 35695-72-8 HR: 3
3-AMINO-1-TRICHLORO-2-PENTANOL**

mf: C₅H₁₀Cl₃NO mw: 206.51

SYN: TCA-PE

TOXICITY DATA with REFERENCE:

scu-mus LD50:1364 mg/kg SKIZAB 28,231,72

ivn-mus LD50:284 mg/kg SKIZAB 28,231,72

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

**AMU125 CAS: 53516-81-7 HR: 3
(3-AMINO-2,4,6-TRICHLOROPHENYL)
METHYLENE)HYDRAZIDE
BENZENESULFONIC ACID**

mf: C₁₃H₁₀Cl₃N₃O₂S mw: 378.67

SYNS: DENVER RESEARCH CENTER No. DRC-4575 □ DRC-4575

TOXICITY DATA with REFERENCE:

orl-mus LD50:33 mg/kg JTEHD6 3,407,77

SAFETY PROFILE: Poison by ingestion.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x. See also SULFONATES.

AMU500 CAS: 35695-70-6 HR: 3

3-AMINO-1-TRICHLORO-2-PROPANOL

mf: C₃H₆Cl₃NO mw: 178.45

SYN: TCA-PR

TOXICITY DATA with REFERENCE:

scu-mus LD50:1556 mg/kg SKIZAB 28,231,72

ivn-mus LD50:301 mg/kg SKIZAB 28,231,72

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

**AMU550 CAS: 344-72-9 HR: 3
2-AMINO-4-(TRIFLUOROMETHYL)-5-THIAZOLE
CARBOXYLIC ACID ETHYL ESTER**

mf: C₇H₇F₃N₂O₂S mw: 240.22

SYN: 5-THIAZOLECARBOXYLIC ACID, 2-AMINO-4-(TRIFLUOROMETHYL)-, ETHYL ESTER

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:75 mg/kg CBCCT* 6,142,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

**AMU625 CAS: 3119-15-1 HR: 2
3-AMINO-2,4,6-TRIODO-BENZOIC ACID**

mf: C₇H₄I₃NO₂ mw: 514.82

PROP: Crystals. Mp: 196.5–197.5°.

SYN: ACIDO-3-AMINO-2,4,6-TRIODOBENZOICO (ITALIAN)

TOXICITY DATA with REFERENCE:

unr-rat LD50:1450 mg/kg JAPMA8 42,721,53

orl-mus LD50:600 mg/kg QJPAL 19,483,46

ivn-mus LD50:800 mg/kg FRPSAX 18,33,63

SAFETY PROFILE: Moderately toxic by ingestion and other routes. When heated to decomposition it emits toxic fumes of I⁻ and NO_x.

**AMU750 CAS: 3115-05-7 HR: 2
N-(3-AMINO-2,4,6-TRIODOBENZOYL)-N-(2-
CARBOXYETHYL)ANILINE**

mf: C₁₆H₁₃I₃N₂O₃ mw: 662.01

PROP: White or pale-yellow powder. Mp: 133–134.5°.

Sol in dioxan, DMF.

SYNS: 3-((3-AMINO-2,4,6-TRIODOBENZOYL)PHENYLAMINO)PROPIONIC ACID □ N-(3-AMINO-2,4,6-TRIODOBENZOYL)-N-PHENYL-β-AMINOPROPION SAEURE (GERMAN) □ ISOBENZAMIC ACID □ ST 5066/S (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2800 mg/kg TXAPA9 14,232,69

ivn-rat LD50:500 mg/kg TXAPA9 14,232,69

orl-mus LD50:2870 mg/kg ARZNAD 11,384,61

ivn-mus LD50:530 mg/kg JMCMA9 13,997,70

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

**AMV375 CAS: 1634-73-7 HR: 3
4-((3-AMINO-2,4,6-TRIODOPHENYL)ETHYL
AMINO)-4-OXO-BUTANOIC ACID**

mf: C₁₂H₁₃I₃N₂O₃ mw: 613.97

SYNS: N-AETHYL-N-(2,4,6-TRIJD-3-AMINOPHENYL)-SUCCINAMIDSAEURE (GERMAN) □ 3'-AMINO-N-ETHYL-2',4',6'-TRIJDOSUCCINANILIC ACID □ RG 235 □ SH 771

TOXICITY DATA with REFERENCE:

ivn-rat LD50:370 mg/kg PHARAT 27,411,72
 orl-mus LD50:650 mg/kg PHARAT 27,391,72
 ivn-mus LD50:288 mg/kg PHARAT 27,411,72

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

AMV750 CAS: 23217-86-9 HR: 3
2-(3-AMINO-2,4,6-TRIJDOPHENYL)VALERIC ACID

mf: $\text{C}_{11}\text{H}_{12}\text{I}_3\text{NO}_2$ mw: 570.94

TOXICITY DATA with REFERENCE:

orl-mus LD50:2100 mg/kg JMCAR 13,559,70
 ivn-mus LD50:170 mg/kg JMCAR 13,559,70

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

AMV752 CAS: 57667-51-3 HR: D
2-AMINO-3,5,6-TRIMETHYLIMIDAZO(4,5-b) PYRIDINE

mf: $\text{C}_9\text{H}_{12}\text{N}_4$ mw: 176.22

SYN: 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3,5,6-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AMV754 CAS: 132898-06-7 HR: D
2-AMINO-3H-3,5,7-TRIMETHYLIMIDAZO(4,5-b) PYRIDINE

mf: $\text{C}_9\text{H}_{12}\text{N}_4$ mw: 176.22

SYN: 3H-IMIDAZO(4,5-b)PYRIDIN-2-AMINE, 3,5,7-TRIMETHYL-

TOXICITY DATA with REFERENCE:

mic-sat 1 nmol/plate/20M EMMUEG 38,268,2001

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

AMV760 CAS: 146177-59-5 HR: D
2-AMINO-3,4,5-TRIMETHYLIMIDAZO(4,5-F) QUINOXALINE

mf: $\text{C}_{12}\text{H}_{13}\text{N}_5$ mw: 227.30

SYNS: 3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE, 3,4,5-TRIMETHYL- □ 3,4,5-TRIMETHYL-3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE

TOXICITY DATA with REFERENCE:

mno-sat 10 ng/dish MUREAV 298,207,93

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

AMV770 CAS: 115609-71-7 HR: D
2-AMINO-3,5,7-TRIMETHYLIMIDAZO(4,5-F)QUINOXALINE

mf: $\text{C}_{12}\text{H}_{13}\text{N}_5$ mw: 227.30

SYNS: 3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE, 3,5,7-TRIMETHYL- □ 3,5,7-TRIMETHYL-3H-IMIDAZO(4,5-F)QUINOXALIN-2-AMINE

TOXICITY DATA with REFERENCE:

mno-sat 10 ng/dish MUREAV 298,207,93

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

AMV780 CAS: 122349-91-1 HR: D
7-AMINO-2,4,6-TRIMETHYLQUINOLINE

mf: $\text{C}_{12}\text{H}_{14}\text{N}_2$ mw: 186.28

SYNS: QUINOLINE, 7-AMINO-2,4,6-TRIMETHYL- □ 7-QUINOLINAMINE, 2,4,6-TRIMETHYL- (9CI)

TOXICITY DATA with REFERENCE:

mic-sat 1 ug/plate MUREAV 226,169,1989

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

AMV790 CAS: 698-49-7 HR: 3
4-AMINOTROPOLONE

mf: $\text{C}_7\text{H}_7\text{NO}_2$ mw: 137.15

PROP: Needles from MeOH. Mp: 187–188°.

SYN: 4-AMINO-2-HYDROXY-2,4,6-CYCLOHEPTATRIEN-1-ONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:265 mg/kg CPBTAL 20,60,72

scu-mus LD50:400 mg/kg CPBTAL 20,60,72

ivn-mus LD50:177 mg/kg YKKZAJ 92,19,72

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

AMV800 CAS: 7021-46-7 HR: 3
5-AMINOTROPOLONE

mf: $\text{C}_7\text{H}_7\text{NO}_2$ mw: 137.15

PROP: Yellow, scaly, crystals. Mp: 177–177.5°.

SYN: 5-AMINO-2-HYDROXY-2,4,6-CYCLOHEPTATRIEN-1-ONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:230 mg/kg YKKZAJ 91,550,71

scu-mus LD50:521 mg/kg YKKZAJ 91,550,71

ivn-mus LD50:175 mg/kg YKKZAJ 92,19,72

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

AMV875 HR: 1
AMINO-TS-ACID

mf: $\text{C}_{10}\text{H}_9\text{NO}_6\text{S}_2$ mw: 303.32

TOXICITY DATA with REFERENCE:

orl-rat LD50:29 g/kg GISAAA 45(3),73,80

orl-mus LD50:29 g/kg GISAAA 45(3),73,80

orl-rbt LD50:18 g/kg GISAAA 45(3),73,80

orl-gpg LD50:42 g/kg GISAAA 45(3),73,80

SAFETY PROFILE: Low order of toxicity. When heated to decomposition it emits toxic fumes of SO_x and NO_x . See also SULFONATES.

AMW000 CAS: 2432-99-7 HR: 3
11-AMINOUNDECANOIC ACID

mf: $\text{C}_{11}\text{H}_{23}\text{NO}_2$ mw: 201.35

PROP: Solid. Mp: 190–192°.

SYNS: AMINOUNDECANOIC ACID □ 11-AMINOUNDECYLIC ACID □ NCI-C50613

TOXICITY DATA with REFERENCE:

otr-ham:emb 2500 mmol/L ENMUDM 8,515,86
sce-ham:ovr 500 mg/L EMMUEG 10(Suppl 10),1,87
orl-rat LDLo:14,700 µg/kg NTPTR* NTP-TR-216,82

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 39,239,86. NTP Carcinogenesis Bioassay (feed): Clear Evidence: mouse, rat NTPTR* NTP-TR-216,82. Reported in EPA TSCA Inventory.

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

AMW100 CAS: 932-52-5 HR: D
5-AMINOURACIL

mf: C₄H₅N₃O₂ mw: 127.12

SYNS: 2,4(1H,3H)-PYRIMIDINEDIONE, 5-AMINO- □ URACIL, 5-AMINO-

TOXICITY DATA with REFERENCE:

mno-esc 300 mg/L JGMAN 18,543,58
dni-hmn:hlas 5 mmol/L RAREAE 37,334,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMW250 CAS: 873-83-6 HR: 2
6-AMINOURACIL

mf: C₄H₅N₃O₂ mw: 127.12

PROP: Needles from water. Mp: decomp. Sol in water, alkalies, NH₄OH, and acids.

TOXICITY DATA with REFERENCE:

par-mus LDLo:2400 mg/kg CBCCT* 7,696,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMW500 CAS: 38237-74-0 HR: 3
p-AMINO VALEROPHENONE

mf: C₁₁H₁₅NO mw: 177.27

TOXICITY DATA with REFERENCE:

orl-rat LD50:84 mg/kg GEPHDP 14,465,83
orl-mus LD50:94 mg/kg GEPHDP 14,465,83
ipr-mus LD50:120 mg/kg FEPA7 6,348,47

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMW750 CAS: 6623-41-2 HR: 1
2-AMINO-4,5-XYLENOL

mf: C₈H₁₁NO mw: 137.20

PROP: Crystals from toluene. Mp: 173–175°.

SYN: 2-AMINO-4,5-DIMETHYLPHENOL

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AMX000 CAS: 5369-84-6 HR: 3
3-AMINO-4-(2-(2,6-XYLYLOXY)ETHYL)-4H-1,2,4-TRIAZOLE

mf: C₁₂H₁₆N₄O mw: 232.32

SYN: 3,5-BIS(2-FURYL)-1H-1,2,4-TRIAZOLE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:235 mg/kg JMCMA 9,42,66
ipr-mus LD50:2000 mg/kg JMCMA 9,22,66

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

AMX250 HR: 2
AMIDODOXYL BENZOATE

mf: C₇H₈INO₄ mw: 297.06

PROP: White, odorless, sltly bitter, crystalline powder.

SYN: ARTHRYTIN OXOATE

SAFETY PROFILE: Moderately toxic by ingestion. It is a non-selective, systemic herbicide. Dangerous; when heated to decomposition it emits toxic fumes of NO_x and Γ.

AMX300 CAS: 36001-88-4 HR: 3
AMIPROFOS-METHYL

mf: C₁₁H₁₇N₂O₄PS mw: 304.33

SYNS: BAY NTN80 □ BAY NTN6867 □ O-METHYL O-(4-METHYL-2-NITROPHENYL) (1-METHYLETHYL)PHOSPHORAMIDOTHIOATE □ NTN 80 □ NTN 6867 □ PHOSPHORAMIDOTHIOIC ACID, N-ISOPROPYL-, O-METHYL O-(2-NITRO-P-TOLYL) ESTER □ TOKUNOL M

TOXICITY DATA with REFERENCE:

orl-rat LD50:309 mg/kg 85AREA 2,212,77
skn-rat LD50:>5 g/kg SHBOAO 32,488,78
orl-mus LD50:540 mg/kg SHBOAO 32,488,78
skn-mus LD50:>4 g/kg SHBOAO 32,488,78

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

AMX400 CAS: 33857-23-7 HR: 2
AMIPROPHOS

mf: C₁₂H₁₉N₂O₄PS mw: 318.36

SYNS: BAY-NTN 5006 □ NTN 5006 □ PHOSPHORAMIDOTHIOIC ACID, ISOPROPYL-, O-ETHYL O-(2-NITRO-P-TOLYL) ESTER □ PHOSPHORAMIDOTHIOIC ACID, (1-METHYLETHYL)-, O-ETHYL-O-(4-METHYL-2-NITROPHENYL) ESTER (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:720 mg/kg 85JDAH -,329,74
sln-mul-insect-dmg 500 mmol/L ZYDXDM 13,167,84

SAFETY PROFILE: Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, PO_x, and SO_x.

AMX500 HR: 3

AMIPURIMYCIN HYDRATEmf: C₃₀H₂₀N₇O₈•H₂O mw: 624.59**PROP:** Isolated from culture filtrate of *Streptomyces novoguineensis* T-36496.**TOXICITY DATA with REFERENCE:**

skn-rbt 200 ppm/10D SEV JANTAJ 30,1,77

orl-rat LD50:20 mg/kg JANTAJ 30,1,77

ivn-rat LD50:1 mg/kg JANTAJ 30,1,77

orl-mus LD50:10 mg/kg JANTAJ 30,1,77

ivn-mus LD50:1 mg/kg JANTAJ 30,1,77

SAFETY PROFILE: Poison by ingestion and intravenous routes. A severe skin irritant. When heated to decomposition it emits toxic fumes of NO_x.**AMX750****CAS: 57-43-2****HR: 3****AMITAL**mf: C₁₁H₁₈N₂O₃ mw: 226.31**PROP:** Slightly bitter crystals or leaflets from water or alc. Mp: 156–158°.**SYNS:** AMAL □ AMASUST □ AMOBARBITAL □ AMOBARBITONE □ AMOSPAN □ AMYBAL □ AMYLBARBITONE □ AMYLOBARBITAL □ AMYLOBARBITONE □ AMYTAL □ BARBAMIL □ BARBAMYL □ BARBAMYLAACID □ BINOCTAL □ DORLOTYN □ DORMYTAL □ 5-ETHYL-5-ISOAMYLBARBITURIC ACID □ 5-ETHYL-5-ISOAMYLMALONYL UREA □ ETHYLISO PENTYLBARBITURIC ACID □ 5-ETHYL-5-ISOPENTYL BARBITURIC ACID □ 5-ETHYL-5-(3-METHYLBUTYL)BARBITURIC ACID □ EUNOCTAL □ ISOAMYLETHYLBARBITURIC ACID □ 5-ISOAMYL-5-ETHYLBARBITURIC ACID □ ISOMYL □ ISOMYTAL □ MYLODORM □ NSC-10815 □ PENTYMAL □ PENTYMALUM □ 2,4,6(1H,3H,5H)-PYRIMIDINE-TRIONE, 5-ETHYL-5-(3-METHYLBUTYL)-(9CI) □ ROBARB □ SCHIWANOX □ SEDNOTIC □ SOMNAL □ STADADORM □ SUMITAL □ TALAMO**TOXICITY DATA with REFERENCE:**

orl-rat LD50:250 mg/kg ARZNAD 21,719,71

ipr-rat LD50:115 mg/kg ARZNAD 21,719,71

scu-rat LD50:190 mg/kg AEPPAE 152,341,30

orl-mus LD50:345 mg/kg JACSAT 61,96,39

ipr-mus LD50:175 mg/kg JMCMAR 10,1078,67

scu-mus LD50:212 mg/kg ARZNAD 15,688,65

orl-dog LDLo:250 mg/kg JPETAB 26,371,25

ivn-dog LD50:58 mg/kg DRUGAY -,63,90

orl-cat LDLo:100 mg/kg PHREA7 19,472,39

ipr-rbt LDLo:90 mg/kg JPETAB 41,465,31

scu-rbt LDLo:170 mg/kg JACSAT 45,243,23

ivn-rbt LD50:49 mg/kg JPETAB 96,209,49

SAFETY PROFILE: A poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. See also BARBITURATES. When heated to decomposition it emits toxic fumes of NO_x.**AMX825****CAS: 3734-97-2****HR: 3****AMITON OXALATE**mf: C₁₀H₂₄NO₃PS•C₂H₂O₄ mw: 359.42**PROP:** Crystals from Me₂CO. Mp: 98–99°.**SYNS:** ACID OXALATE □ CHIPMAN 6199 □ CHIPMAN R-6, 199 □ CITRAM □ (2-(2-DIETHYLAMINO)ETHYL)-O,O-DIETHYLESTER, OXALATE (1:1) □ S-(2-DIETHYLAMINOETHYL)-O,O-DIETHYLPHOSPHOROTHIOATE HYDROGEN OXALATE □ O,O-DIETHYL-S-(2-DIETHYLAMINO) ETHYLPHOSPHOROTHIOATE HYDROGEN OXALATE □ O,O-DIETHYL-S-(β-

DIETHYLAMINO) ETHYL PHOSPHOROTHIOATE HYDROGEN OXALATE □ O,O-DIETHYL-S-(2-ETHYL-N,N-DIETHYLAMINO) PHOSPHOROTHIOATE HYDROGEN OXALATE □ ENT 20,993 □ HYDROGEN OXALATE of AMITON □ PHOSPHOROTHIOIC ACID □ TETRAM □ TETRAM MONOOXALATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:500 µg/kg PAREAQ 11,636,59

orl-rat LD50:3 mg/kg 28ZEAL 4,162,69

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List.**SAFETY PROFILE:** A deadly poison by ingestion and intraperitoneal routes. Human systemic effects may include: headache, giddiness, nervousness, impaired vision, weakness, nausea, cramps, diarrhea, muscular weakness and loss of control, convulsions and coma. Flammable. To extinguish fire, use dry chemical, carbon dioxide, water spray, fog or foam. When heated to decomposition it emits toxic fumes of SO_x, PO_x, and NO_x. A cholinesterase inhibitor used as an insecticide.**AMY000****CAS: 4317-14-0****HR: 3****AMITRIPTYLINE-N-OXIDE**mf: C₂₀H₂₃NO mw: 293.44**PROP:** Solid. Mp: 228–230°.**SYNS:** AMITRIPTYLINOXIDE □ 1-PROPANAMINE, 3-(10,11-DIHYDRO-5H-DIBENZO(A,D)CYCLOHEPTEN-5-YLIDENE)-N,N-DI-METHYL-N-OXIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1800 mg/kg ARZNAD 28,1898,78

ipr-rat LD50:110 mg/kg ARZNAD 28,1898,78

ivn-rat LD50:25 mg/kg ARZNAD 28,1898,78

orl-mus LD50:330 mg/kg ARZNAD 28,1898,78

ipr-mus LD50:320 mg/kg ARZNAD 28,1898,78

ivn-mus LD50:87 mg/kg ARZNAD 28,1898,78

orl-dog LD50:330 mg/kg ARZNAD 28,1898,78

orl-rbt LD50:330 mg/kg ARZNAD 28,1898,78

orl-gpg LD50:330 mg/kg ARZNAD 28,1898,78

SAFETY PROFILE: Poison by ingestion, intraperitoneal, and intravenous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.**AMY050****CAS: 61-82-5****HR: 3****AMITROLE**mf: C₂H₄N₄ mw: 84.10**PROP:** Crystals from H₂O, EtOH, or EtOAc. Mp: 159°.**SYNS:** AMEROL □ AMINOTRIAZOLE □ 2-AMINOTRIAZOLE □ 2-AMINO-1,3,4-TRIAZOLE □ 3-AMINOTRIAZOLE □ 3-AMINO-S-TRIAZOLE □ 3-AMINO-1,2,4-TRIAZOLE (ACGIH) □ 3-AMINO-1,2,4-TRIAZOLE □ 3-AMINO-1H-1,2,4-TRIAZOLE □ AMINOTRIAZOLE (PLANT REGULATOR) □ AMINO TRIAZOLE WEEDKILLER 90 □ AMINOTRIAZOL-SPRITZPULVER □ AMITOL □ AMITRIL □ AMITRIL T.L. □ AMITROL □ AMITROL 90 □ AMITROL-T □ AMIZOL □ AMIZOL D □ AMIZOL DP NAU □ AMIZOL F □ AT □ ATA □ 3A-T □ AT-90 □ AT LIQUID □ AZAPLANT □ AZAPLANT KOMBI □ AZOLAN □ AZOLE □ CAMPAPRIM A 1544 □ CYTROL □ CYTROL AMITROLE-T □ CYTROLE □ DIUROL □ DIUROL 5030 □ DOMATOL □ DOMATOL 88 □ ELMASIL □ EMISOL □ EMISOL 50 □ EMISOL F □ ENT 25,445 □ FENAMINE □ FENAVAR □ HERBIDAL TOTAL □ HERBIZOLE □ KLEER-LOT □ ORGA-414 □ RADOXONE TL □ RAMIZOL □ RCRA WASTE NUMBER U011 □

SIMAZOL □ SOLUTION CONCENTREE T271 □ TRIAZOL-AMINE □ 1H-1,2,4-TRIAZOL-3-AMINE □ USAF XR-22 □ VOROX □ VOROX AA □ VOROX AS □ WEEDAR ADS □ WEEDAR AT □ WEEDAZIN □ WEEDAZIN ARGINIT □ WEEDAZOL □ WEEDAZOL GP2 □ WEEDAZOL SUPER □ WEEDAZOL T □ WEEDAZOL TL □ WEEDEX GRANULAT □ WEEDOCOR □ X-ALL Liquid

TOXICITY DATA with REFERENCE:

mma-sat 50 µg/plate PMRSDJ 1,351,81
mrc-asn 600 µg/L MUREAV 147,288,85
sln-asn 600 µg/L MUREAV 147,288,85
hma-mus/sat 12 mg/kg JNCIAM 62,911,79
msc-ham:emb 1 mg/L MUREAV 140,205,84
orl-rat LD50:1100 mg/kg RREVAH 10,97,65
orl-mus LD50:14,700 mg/kg PCOC** -,33,66
ipr-mus LD50:200 mg/kg NTIS** AD277-689

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,92,87; Human Inadequate Evidence IMEMDT 41,293,86; IMEMDT 7,31,74; Animal Sufficient Evidence IMEMDT 7,31,74; IMEMDT 41,293,86. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.2 mg/m³

ACGIH TLV: TWA 0.2 mg/m³; Animal Carcinogen

DFG MAK: 0.2 mg/m³ (as total dust); Confirmed Animal Carcinogen with Unknown Relevance to Humans

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic, tumorigenic, and neoplastigenic data. Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x. An herbicide and plant growth regulator.

AMY100 CAS: 88150-42-9 HR: D
AMLODIPINE

mf: C₂₀H₂₅ClN₂O₅ mw: 408.92

SYNS: 3,5-PYRIDINEDICARBOXYLIC ACID, 1,4-DIHYDRO-2-((2-AMINOETHOXY)METHYL)-4-(2-CHLOROPHENYL)-6-METHYL-, 3-ETHYL 5-METHYL ESTER □ RACEMIC AMLODIPINE

TOXICITY DATA with REFERENCE:

orl-chd TDLo:400 µg/kg:BPR AJEMEN 18,581,2000
orl-wmn TDLo:600 µg/kg/3D-I:BLR,PNS APhRER 33,1126,1999
orl-wmn LDLo:1400 µg/kg:CVS,BPR JTCTDW 33,253,1995

SAFETY PROFILE: Human systemic effects. When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

AMY250 HR: 3
AMMINE PENTAHYDROXO PLATINUM

mf: H₈NO₅Pt mw: 297.2

PROP: IDLH 4 mg/m³ (as Pt).

SAFETY PROFILE: A poison. An explosively unstable compound. Explodes @ >250°. Upon decomposition it emits toxic fumes of NO_x. See also PLATINUM COMPOUNDS.

AMY500 CAS: 7664-41-7 HR: 3
AMMONIA

DOT: UN 1005

mf: H₃N mw: 17.04

PROP: Colorless, alkaline, nonflammable gas with extremely pungent odor; liquefied by compression. Mp: -77.7°, bp: -33.35°, lel: 16%, uel: 25%, d: 0.771 g/L @ 0°, 0.817 g/L @ -79°, autoign temp: 1204°F, vap press: 10 atm @ 25.7°, vap d: 0.6. Very sol in water; moderately sol in alc. IDLH 300 ppm.

SYNS: AM-FOL □ AMMONIA ANHYDROUS □ AMMONIA, anhydrous, liquefied (DOT) □ AMMONIAC (FRENCH) □ AMMONIACA (ITALIAN) □ AMMONIA GAS □ AMMONIAK (GERMAN) □ AMMONIA SOLUTIONS, relative density <0.880 at 15 degrees C in water, with >50% ammonia (DOT) □ AMONIAK (POLISH) □ ANHYDROUS AMMONIA □ NITRO-SIL □ R 717 □ SPIRIT of HARTSHORN

TOXICITY DATA with REFERENCE:

mno-esc 1500 ppm/3H AMNTA4 85,119,51
cyt-rat-ihl 19,800 µg/m³/16W BZARAZ 27,102,74
ihl-hmn LCLo:30,000 ppm/5M TJSGA8 45,458,67
ihl-hmn TCLo:20 ppm:IRR AGGHAR 13,528,55
unk-man LDLo:132 mg/kg 85DCAI 2,73,70
ihl-rat LCLo:2000 ppm/4H JIHTAB 31,343,49
ihl-mus LD50:4837 ppm/1H NTIS** PB214-270
ihl-cat LCLo:7000 ppm/1H JIHTAB 26,29,44
ihl-cat TCLo:1000 ppm/10M AEHLAU 35,6,80
ihl-rbt LCLo:7000 ppm/1H JIHTAB 26,29,44
ihl-mam LCLo:5000 ppm/5M AEPPAE 138,65,28

CONSENSUS REPORTS: EPA Extremely Hazardous Substances List. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 35 ppm

ACGIH TLV: TWA 25 ppm; STEL 35 ppm

DFG MAK: 20 ppm (14 mg/m³)

NIOSH REL: CL 50 ppm

DOT CLASSIFICATION: 2.3; Label: Poison Gas; DOT Class: 2.2; Label: Nonflammable Gas

SAFETY PROFILE: A human poison by an unspecified route. Poison experimentally by inhalation. An eye, mucous membrane, and systemic irritant by inhalation. Mutation data reported. A common air contaminant. Difficult to ignite. Explosion hazard when exposed to flame or in a fire. NH₃ + air in a fire can detonate. Potentially violent or explosive reactions on contact with interhalogens (e.g., bromine pentafluoride, chlorine trifluoride), 1,2-dichloroethane (with liquid NH₃), boron halides, chloroformamideium nitrate, ethylene oxide (polymerization reaction), magnesium perchlorate, nitrogen trichloride, oxygen + platinum, or strong oxidants (e.g., potassium chlorate, nitryl chloride, chromyl chloride, dichlorine oxide, chromium trioxide, trioxigen difluoride, nitric acid, hydrogen peroxide, tetramethylammonium amide, thiocarbonyl azide thiocyanate, sulfanyl chloride, thiotriazyl chloride, ammonium peroxodisulfate, fluorine, nitrogen oxide, dinitrogen tetraoxide, and liquid oxygen). Forms sensitive explosive mixtures with air + hydrocarbons, 1-chloro-2,4-dinitrobenzene, 2- or 4-chloronitrobenzene (above 160°C/30 bar), ethanol + silver nitrate, germanium derivatives, stibine, and chlorine. Reactions with silver chloride, silver nitrate, silver azide, and silver oxide form the explosive silver nitride. Reactions with chlorine azide, bromine, iodine, iodine + potassium, heavy metals and their compounds (e.g.,

gold(III) chloride, mercury, and potassium thallium amide ammoniate), tellurium halides (e.g., tellurium tetrabromide and tellurium tetrachloride) and penta-borane(9) give explosive products. Incompatible in contact with Ag, acetaldehyde, acrolein, B, BI₃, halogens, HClO₃, ClO, chlorites, chlorosilane, (ethylene dichloride + liquid ammonia), Au, hexachloromelamine, (hydrazine + alkali metals), HBr, HOCl, Mg(ClO₄)₂, N₂O₄, NCl₃, NF₃, OF₂, P₂O₅, P₂O₃, picric acid, (K + AsH₃), (K + PH₃), (K + NaNO₂), potassium ferricyanide, potassium mercuric cyanide, (Na + CO), Sb, S, SCl₂, tellurium hydropentachloride, trichloromelamine, NO₂Cl, SbH₃, tetramethylammonium amide, SOCl₂, and thiotriethiazylchloride. Incandescent reaction when heated with calcium. Emits toxic fumes of NH₃ and NO_x when exposed to heat. To fight fire, stop flow of gas.

ANALYTICAL METHOD: For occupational chemical analysis use OSHA: #ID-164 or NIOSH: Ammonia, 3505.

AMY700 CAS: 1407-03-0 HR: D
AMMONIATED GLYCYRRHIZIN

PROP: From roots of *Glycyrrhiza glabra*.

SYN: MONOAMMONIUM GLYCYRRHIZINATE

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

AMZ125 CAS: 57530-25-3 HR: 2
2-AMMONIOTHIAZOLE NITRATE

mf: C₃H₅N₃O₃S mw: 163.15

SAFETY PROFILE: Explosive decomposition at 142°C. Upon decomposition it emits toxic fumes of SO_x and NO_x.

ANA000 CAS: 631-61-8 HR: 3
AMMONIUM ACETATE

mf: C₂H₄O₂•H₃N mw: 77.10

PROP: Crystals. Mp: 114°, d: 1.07.

SYN: ACETIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

ipr-rat LD50:632 mg/kg ABBIA4 64,342,56

ivn-mus LD50:386 mg/kg MEIEDD 10,74,83

ipr-ckn LDLo:1735 mg/kg BIJOAK 106,699,68

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 and NH₃.

ANA300 CAS: 9005-34-9 HR: D
AMMONIUM ALGINATE

mf: (C₆H₇O₆NH₄)_n mw: 193.16 (calc.)

PROP: White to yellow powder. Sol in water; insol in alc, chloroform, ether.

SYN: ALGIN

SAFETY PROFILE: When heated to decomposition emits toxic fumes of NO_x.

ANA500 HR: 3
AMMONIUM (AMINYLENIUMBIS [TRIHYDROBORATE])

mf: B₂H₁₂N₂ mw: 61.72

SAFETY PROFILE: A highly reactive hydride. Self ignites in air when heated. When heated to decomposition it emits toxic fumes of NO_x and NH₃. Explodes on heating in air. See also BORON COMPOUNDS and HYDRIDES.

ANA750 CAS: 12164-94-2 HR: 3
AMMONIUM AZIDE

mf: H₄N₄ mw: 60.08

PROP: Colorless plates. Mp: 160°, bp: explodes, d: 1.346, vap press: 1 mm @ 59.2° (sublimes).

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Poison by inhalation and ingestion. See also AZIDES. Moderately flammable. Unstable. Explosion hazard upon rapid heating.

ANB000 CAS: 5251-79-6 HR: 2
AMMONIUM BENZAMIDOOXYACETATE

mf: C₉H₉NO₄•H₃N mw: 212.23

SYNS: AMMONIUM-2-(BENZAMIDOOXY)ACETATE □ BENZADOX □ BENZAMIDOOXY ACETIC ACID, AMMONIUM SALT □ TOPCIDE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2500 mg/kg 28ZEAL 5,23,76

skn-rbt LD50:450 mg/kg 28ZEAL 5,23,76

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. When heated to decomposition it emits toxic fumes of NO_x and NH₃.

ANB100 CAS: 1863-63-4 HR: 3
AMMONIUM BENZOATE

mf: C₇H₅O₂•H₄N mw: 139.17

SYNS: BENZOIC ACID, AMMONIUM SALT □ VULNOC AB

TOXICITY DATA with REFERENCE:

orl-rat LD50:825 mg/kg GISAAA 51(1),75,86

orl-mus LD50:235 mg/kg GISAAA 51(1),75,86

ivn-rbt LDLo:400 mg/kg JPETAB 44,81,32

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic vapors of NO_x and NH₃.

ANB250 CAS: 1066-33-7 HR: 3
AMMONIUM BICARBONATE (1:1)

mf: HCO₃•H₄N mw: 79.1

PROP: Hard, colorless to white crystals or solid; faint ammonia odor, stable at room temp, volatile. Decomp below mp. Mp: 107.5° (rapid heating), d: 1.586. Sol in water; insol in alc.

SYNS: ACID AMMONIUM CARBONATE □ AMMONIUM CARBONATE □ AMMONIUM HYDROGEN CARBONATE □ CARBONIC ACID, MONOAMMONIUM SALT □ MONOAMMONIUM CARBONATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:245 mg/kg AJVRAH 29,897,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO_x and NH_3 .

ANB500 CAS: 7789-09-5 HR: 3
AMMONIUM BICHROMATE

DOT: UN 1439

mf: $\text{Cr}_2\text{H}_8\text{N}_2\text{O}_7$ mw: 252.10

PROP: Bright red-orange crystals; air-stable monoclinic crystals. Mp: decomp, d: 2.936. Sol in water and alc. IDLH Ca [15 mg/ m^3 {as Cr(VI)}].

SYNS: AMMONIO (DICROMATO DI) (ITALIAN) □

AMMONIUMBICHROMAAT (DUTCH) □

AMMONIUMDICHROMAAT (DUTCH) □

AMMONIUMDICHROMAT (GERMAN) □ AMMONIUM

DICHROMATE □ AMMONIUM DICHROMATE(VI) □

BICHROMATE d'AMMONIUM (FRENCH)

TOXICITY DATA with REFERENCE:

scu-gpg LDLo:25 mg/kg EQSSDX 1,1,75

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

OSHA PEL: CL 0.1 mg/(CrO₃)/ m^3

ACGIH TLV: TWA 0.05 mg/(Cr)/ m^3 ; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 $\mu\text{g}(\text{Cr(VI)})/\text{m}^3$; CL 50 $\mu\text{g}/\text{m}^3/15\text{M}$

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: Confirmed human carcinogen.

Poison by inhalation, ingestion, skin contact, and subcutaneous routes. See also CHROMIUM COMPOUNDS. An unstable oxidizer. Moderately flammable; reacts with reducing agents.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

ANB600 CAS: 10192-30-0 HR: 2
AMMONIUM BISULFITE

mf: $\text{H}_3\text{N}\cdot\text{H}_2\text{O}_3\text{S}$ mw: 99.12

PROP: A solid.

SYNS: AMMONIUM HYDROGEN SULFITE □ AMMONIUM MONOSULFITE □ MONOAMMONIUM SULFITE □ SULFUROUS ACID, MONOAMMONIUM SALT

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive

SAFETY PROFILE: A corrosive solid. When heated to decomposition it emits toxic vapors of NH_4^+ .

ANB700 CAS: 74861-59-9 HR: 2
AMMONIUM BORANECARBOXYLATE

mf: $\text{CH}_2\text{BO}_2\cdot\text{H}_4\text{N}$ mw: 74.89

SYN: BORANECARBOXYLIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

dni-mus ast 100 $\mu\text{mol}/\text{L}$ JPMSAE 74,755,1985

uns-mus ast 100 $\mu\text{mol}/\text{L}$ JPMSAE 74,755,1985

ipr-mus LD50:>1 g/kg JPMSAE 74,755,1985

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic vapors of NH_4^+ and B.

ANC000 CAS: 13843-59-9 HR: 3

AMMONIUM BROMATE

mf: NH_4BrO_3 mw: 145.96

PROP: Colorless crystals. Mp: explodes. Very sol in water.

SYNS: BROMIC ACID, AMMONIUM SALT □ AMMONIUM BROMATE (DOT)

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: An unstable, explosive oxidizing material. See also BROMATES. Severe explosion hazard.

ANC250 CAS: 12124-97-9 HR: 2

AMMONIUM BROMIDE

mf: BrH_4N mw: 97.96

PROP: Colorless or white cubic, sltly hygroscopic crystals. Mp: sublimes @ 4°, bp: 235° in vac, d: 2.429, vap press: 1 mm @ 198.3°. Very sol in water.

SYN: HYDROBROMIC ACID MONOAMMONIATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:2700 mg/kg GTPZAB 33(10),57,89

orl-mus LD50:2860 mg/kg GTPZAB 33(10),57,89

ipr-mus LD50:559 mg/kg GTPZAB 33(10),57,89

ipr-gpg LD50:535 mg/kg GTPZAB 33(10),57,89

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. See also BROMIDES. When heated to decomposition it emits very toxic fumes of NO_x , Br^- , and NH_3 . Incompatible with BrF_3 ; IF_7 ; K.

ANC750 HR: 3

AMMONIUM BROMO SELENATE

mf: $(\text{NH}_4)\text{SeBr}_6$ mw: 594.5

PROP: Red octagonal crystals. D: 3.326, decomp in water; sltly sol in ether.

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

SAFETY PROFILE: Poison and dangerous hazard. See also SELENIUM COMPOUNDS and BROMIDES.

AND250 HR: 3

AMMONIUM CADMIUM CHLORIDE

mf: $4\text{NH}_4\text{Cl}\cdot\text{CdCl}_2$ mw: 397.3

PROP: Colorless, rhombic crystals. D: 2.01; sol in water.

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

OSHA PEL: TWA 5 $\mu\text{g}(\text{Cd})/\text{m}^3$

ACGIH TLV: TWA 0.002 mg/(Cd)/ m^3 (respirable dust), Suspected Human Carcinogen; BEI: 5 $\mu\text{g}/\text{g}$ creatinine in urine; 5 $\mu\text{g}/\text{L}$ in blood

DFG MAK: DFG BAT: Blood: 1.5 $\mu\text{g}/\text{dL}$; Urine: 15 $\mu\text{g}/\text{dL}$; Suspected Carcinogen

NIOSH REL: (Cadmium) Reduce to lowest feasible level

SAFETY PROFILE: Confirmed human carcinogen. A poison. When heated to decomposition it emits toxic fumes of NH_3 , NO_x , and Cl^- . See also CADMIUM COMPOUNDS.

AND500 HR: 3

AMMONIUM CALCIUM ARSENATE

mf: $\text{NH}_4\text{CaAsO}_4 \cdot 6\text{H}_2\text{O}$ mw: 305.1

PROP: Colorless crystals. Mp: 140° (decomp), d: 1.905 @ 15°. Sltly sol in cold water; sol in hot water; sol in NH_4Cl and NH_4OH .

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

SAFETY PROFILE: A poison. See also ARSENIC COMPOUNDS.

AND750 CAS: 1111-78-0 HR: 3
AMMONIUM CARBAMATE

mf: $\text{CH}_3\text{NO}_2 \cdot \text{H}_3\text{N}$ mw: 78.09

PROP: White, crystalline, rhombic powder; sol in water and alc; ammonia odor. Sublimes at 60°.

SYN: AMMONIUM AMINOFORMATE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:39 mg/kg AJVRAH 29,897,68

ivn-mus LD50:77 mg/kg AJVRAH 29,897,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. See also CARBAMATES.

ANE000 CAS: 506-87-6 HR: 3
AMMONIUM CARBONATE

mf: $(\text{NH}_4)_2\text{CO}_3$ mw: 96.11

PROP: Colorless crystals; strong odor of NH_3 ; sharp taste. Decomposes on standing to ammonium bicarbonate. Mp: 58°. Sltly sol in water.

SYNS: AMMONIUMCARBONAT (GERMAN) □ CARBONIC ACID, AMMONIUM SALT □ CARBONIC ACID, DIAMMONIUM SALT □ DIAMMONIUM CARBONATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:96 mg/kg AJVRAH 29,897,68

ivn-dog LDLo:200 mg/kg HBAMAK 4,1289,35

scu-frg LDLo:250 mg/kg HBAMAK 4,1289,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and NH_3 .

ANE250 CAS: 10192-29-7 HR: 3
AMMONIUM CHLORATE

mf: ClH_3NO_3 mw: 100.49

PROP: White, unstable, colorless crystals or needles. Very soluble in water.

SYN: CHLORIC ACID, AMMONIUM SALT

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: A powerful oxidizer. Moderately flammable due to spontaneous chemical reaction. Explosion hazard due to shock, chemical reaction, or exposure to heat. A storage hazard; it may explode at room temperature. Explodes when heated to 100°C. When contaminated it is very sensitive. Solution in water may explode if heated or dried. When heated to decomposition it emits highly toxic fumes of Cl^- and NO_x . Incompatible with reducing materials; BrF_3 ; BrF_5 .

ANE500 CAS: 12125-02-9 HR: 3
AMMONIUM CHLORIDE

mf: $\text{H}_4\text{N} \cdot \text{Cl}$ mw: 53.50

PROP: White, hygroscopic solid or crystals; salty taste. Bp: 520°, mp: 337.8°, d: 1.520, vap press: 1 mm @ 160.4° (sublimes). Sol in water, alc, and glycerin.

SYNS: AMCHLOR □ AMMONERIC □ AMMONIUMCHLORID (GERMAN) □ AMMONIUM MURIATE □ CHLORID AMONNY (CZECH) □ DARAMMON □ SAL AMMONIA □ SAL AMMONIAC □ SALAMMONITE □ SALMIAC

TOXICITY DATA with REFERENCE:

eye-rbt 500 mg/24H SEV 28ZPAK -,15,72

eye-rbt 100 mg SEV LPPTAK 24,598,76

cyt-ham:fbr 400 mg/L FCTOD7 22,623,84

orl-rat LD50:1650 mg/kg 28ZPAK -,15,72

ims-rat LD50:30 mg/kg EMSUA8 4,223,46

orl-mus LD50:1300 mg/kg IYKEDH 21,257,90

ipr-mus LD50:1439 mg/kg COREAF 256,1043,63

scu-mus LDLo:500 mg/kg 27ZIAQ -,39,73

orl-dog LDLo:600 mg/kg HBAMAK 4,1289,35

orl-rbt LDLo:1000 mg/kg HBAMAK 4,1289,35

ivn-rbt LDLo:78 mg/kg HBAMAK 4,1289,35

scu-gpg LDLo:72 mg/kg HBAMAK 4,1289,35

ivn-gpg LDLo:220 mg/kg 27ZWAY 1,470,23

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: (Fume) TWA 10 mg/m³; STEL 20 mg/m³

ACGIH TLV: TWA 10 mg/m³; STEL 20 mg/m³

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intramuscular routes. Moderately toxic by other routes. A severe eye irritant. Mutation data reported. Explosive reaction with potassium chlorate or bromine trifluoride. Violent reaction (ignition) with bromine pentafluoride, NH_4 , NO_3 , and IF_7 . Reaction with hydrogen cyanide may give the explosive nitrogen trichloride. When heated to decomposition it emits very toxic fumes of NO_x , Cl^- , and NH_3 .

ANE750 CAS: 13820-40-1 HR: 2
AMMONIUM CHLOROPALLADATE(II)

mf: $\text{Cl}_4\text{H}_8\text{N}_2\text{Pd}$ mw: 284.30

PROP: Olive-green crystals. D: 2.17, mp: decomp.

SYNS: AMMONIUM TETRACHLOROPALLADATE □ DIAMMONIUM TETRACHLOROPALLADATE □ DIAMMONIUM TETRACHLOROPALLADATE(2-) □ PALLADATE(2-), TETRACHLORO-, DIAMMONIUM (8CI) □ PALLADATE(2-), TETRACHLORO-, DIAMMONIUM, (SP-4-1)-(9CI)

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H SEV AEHLAU 30,168,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A severe skin irritant. See also PALLADIUM. When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and NH_3 .

ANF000 CAS: 19168-23-1 HR: 3
AMMONIUM CHLOROPALLADATE(IV)

mf: $\text{Cl}_6\text{H}_8\text{N}_2\text{Pd}$ mw: 355.20

PROP: Deep red-brown crystals. D: 2.418, mp: decomp. **SYNS:**

□ AMMONIUM HEXACHLOROPALLADATE □ DIAMMONIUM HEXACHLOROPALLADATE

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H SEV AEHLAU 30,168,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison skin irritant. When heated to decomposition it emits very toxic fumes of NO_x , Cl^- , and NH_3 .

ANF250 CAS: 16919-58-7 HR: 3
AMMONIUM CHLOROPLATINATE

mf: $\text{Cl}_6\text{Pt}\cdot 2\text{H}_4\text{N}$ mw: 443.89

PROP: Cubic, yellow crystals or solid. D: 3.065, mp: decomp. Aq solns slowly photoreduce with substitution. Sol in water. IDLH 4 mg/m^3 (as Pt).

SYNS: AMMONIUM HEXACHLOROPLATINATE(IV) □ AMMONIUM PLATINIC CHLORIDE □ DIAMMONIUM HEXACHLOROPLATINATE (2-) □ PLATINIC AMMONIUM CHLORIDE

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo: 0.9 $\mu\text{g}/\text{m}^3$:PUL BJIMAG 2,92,45

orl-rat LD50: 195 mg/kg GTPZAB 21(7),55,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.002 $\text{mg}(\text{Pt})/\text{m}^3$

ACGIH TLV: TWA 0.002 $\text{mg}(\text{Pt})/\text{m}^3$

SAFETY PROFILE: Poison by inhalation and ingestion. Human pulmonary system effects by inhalation. See also PLATINUM COMPOUNDS. An explosively unstable compound. Incompatible with KOH (boiling with alkali yields a product which, after drying, will explode @ 205° or if mixed with combustibles). When heated to decomposition it emits very toxic fumes of Cl^- , NO_x , and NH_3 .

ANF500 CAS: 7788-98-9 HR: 3
AMMONIUM CHROMATE

mf: $(\text{NH}_4)_2\text{CrO}_4$ mw: 152.10

PROP: Yellow, crystalline material. Mp: decomp @ 180°, d: 1.91 @ 12°. Sol in cold water. IDLH Ca [15 mg/m^3 {as Cr(VI)}].

SYNS: AMMONIUM CHROMATE(VI) □ CHROMIC ACID, DIAMMONIUM SALT □ DIAMMONIUM CHROMATE □ NEUTRAL AMMONIUM CHROMATE

TOXICITY DATA with REFERENCE:

mno-sat 35 $\mu\text{g}/\text{plate}$ CRNGDP 9,611,88

dnr-esc 25 $\mu\text{g}/\text{well}$ MUREAV 133,161,84

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

OSHA PEL: CL 0.1 $\text{mg}(\text{CrO}_3)/\text{m}^3$

ACGIH TLV: TWA 0.05 $\text{mg}(\text{Cr})/\text{m}^3$; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 $\mu\text{g}(\text{Cr(VI)})/\text{m}^3$; CL 50 $\mu\text{g}/\text{m}^3/15\text{M}$

SAFETY PROFILE: A poison. Mutation data reported. See also CHROMIUM COMPOUNDS. A powerful oxidizer. An explosion hazard when shocked or heated. When heated to decomposition it emits toxic fumes of NH_3 , CrO_3 , and NO_x . Incompatible with reducing agents. **ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Chromium Hexavalent 7024.

ANF625 HR: 3
AMMONIUM CHROME ALUMS

mf: $\text{H}_8\text{N}_2\text{O}_4\text{S}\cdot\text{Cr}_2\cdot\text{O}_{12}\text{S}_3\cdot 24\text{H}_2\text{O}$ mw: 956.82

SYNS: AMMONIUM SULFATE, and CHROMIC SULFATE, TETRACOSAhydrate □ CHROMIC AMMONIUM SULFATE

TOXICITY DATA with REFERENCE:

orl-rat LD50: 720 mg/kg 85GMAT -,38,82

skn-rat LDLo: 2 g/kg 85GMAT -,38,82

ihl-mus LC50: 51 $\text{mg}/\text{m}^3/2\text{H}$ 85GMAT -,38,82

skn-mus LD50: 110 mg/kg 85GMAT -,38,82

ims-mus LD50: 115 mg/kg 85GMAT -,38,82

skn-rbt LDLo: 1 g/kg 85GMAT -,38,82

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

ACGIH TLV: TWA 0.5 $\text{mg}(\text{Cr})/\text{m}^3$; Not Classifiable as a Carcinogen

SAFETY PROFILE: Poison by inhalation, skin contact, and intramuscular routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of SO_x , NO_x , and NH_3 . See also AMMONIUM SULFATE and CHROMIUM COMPOUNDS.

ANF750 HR: 3
AMMONIUM CHROMIC SULFATE

mf: $\text{NH}_4\text{Cr}(\text{SO}_4)_2\cdot 12\text{H}_2\text{O}$ mw: 478.4

PROP: Green or violet crystals. Mp: 94° (-9H₂O @ 94°), d: 1.720, water sol. IDLH Ca [15 mg/m^3 {as Cr(VI)}].

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

OSHA PEL: CL 0.1 $\text{mg}(\text{CrO}_3)/\text{m}^3$

ACGIH TLV: TWA 0.05 $\text{mg}(\text{Cr})/\text{m}^3$; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 $\mu\text{g}(\text{Cr(VI)})/\text{m}^3$; CL 50 $\mu\text{g}/\text{m}^3/15\text{M}$

SAFETY PROFILE: A confirmed carcinogen. Poison. See also CHROMIUM COMPOUNDS and SULFATES. When heated to decomposition it emits toxic fumes of NH_3 , NO_x , and SO_x .

ANF800 CAS: 7632-50-0 HR: 2
AMMONIUM CITRATE

mf: $\text{C}_6\text{H}_8\text{O}_7\cdot x\text{H}_3\text{N}$ mw: 311.42

PROP: Granules or crystals. D: 1.48. Sol in water; sltly sol in alc.

SYNS: AMMONIUM CITRATE, DIBASIC (DOT) □ CITRIC ACID, AMMONIUM SALT □ DIAMMONIUM CITRATE

TOXICITY DATA with REFERENCE:

ivn-mus LD50: 331 mg/kg JCINAO 37,497,58

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Experimental poison by intravenous route. A skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating fumes.

ANG000 HR: 3
AMMONIUM CYANIDE

mf: NH_4CN mw: 44.1

PROP: Solid, white powder or crystals. Mp: 36° (decomp), bp: subl @ 40°, d: 1.002 @ 100°, vap press: 400 ppm @ 20.5°. Very sol in water and alc; decomp in hot water.

CONSENSUS REPORTS: Cyanide and its compounds are on the Community Right-To-Know List.
SAFETY PROFILE: A poison. See also CYANIDE. When heated to decomposition it emits toxic CN^- , NH_3 , and NO_x .

ANG125 CAS: 12008-61-6 HR: 3
AMMONIUM DECAHYDRODECABORATE (2-)

mf: $\text{B}_{10}\text{H}_{18}\text{N}_2$ mw: 154.26

SAFETY PROFILE: A poison. Product of the reaction with nitrous acid explodes when dry. When heated to decomposition it emits toxic fumes of NO_x and NH_3 . See also BORON COMPOUNDS.

ANG135 CAS: 3369-56-0 HR: 2
AMMONIUM, DIETHYL(4-((p-(DIETHYLAMINO) PHENYL)(3,6-DISULFO-1-NAPHTHYL) METHYLENE)-2,5-CYCLOHEXADIENYL-IDENE)-, HYDROXIDE, INNER SALT, SODIUM SALT

mf: $\text{C}_{31}\text{H}_{34}\text{N}_2\text{O}_6\text{S}_2\cdot\text{Na}$ mw: 617.78

SYNS: ACID GREEN PURE V □ ZIELEN KWASOWA CZYSTA V

TOXICITY DATA with REFERENCE:

mnt-ipr-mus 75 mg/kg BCTKAG 18,280,1985

ipr-mus LD50:892 mg/kg BCTKAG 18,280,1985

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ANG250 HR: 3
AMMONIUM DIFLUORIDE mixed with HYDROCHLORIC ACID

SYN: WHITE ACID (DOT)

SAFETY PROFILE: A corrosive. Poison by inhalation, ingestion, and skin contact. When heated to decomposition it emits very toxic fumes of F^- , HF, and HCl.

ANG500 CAS: 3226-36-6 HR: 2
AMMONIUM DIMETHYL DITHIOCARBAMATE

mf: $\text{C}_3\text{H}_7\text{NS}_2\cdot\text{H}_3\text{N}$ mw: 138.27

SYN: DIRAM A

TOXICITY DATA with REFERENCE:

orl-rat LD50:1458 mg/kg HYSAAV 32,169,67

orl-mus LD50:592 mg/kg HYSAAV 32,169,67

orl-rbt LD50:450 mg/kg HYSAAV 32,169,67

orl-gpg LD50:1680 mg/kg HYSAAV 32,169,67

SAFETY PROFILE: Moderately toxic by ingestion. See also CARBAMATES. When heated to decomposition it emits very toxic fumes of NO_x , SO_x , and NH_3 .

ANG625 CAS: 76556-13-3 HR: 3
AMMONIUM-3,5-DINITRO-1,2,4-TRIAZOLIDE

mf: $\text{C}_2\text{H}_4\text{N}_6\text{O}_4$ mw: 176.09

SAFETY PROFILE: An explosive. Upon decomposition it emits toxic fumes of NO_x and NH_3 . See also EXPLOSIVES.

ANG750 CAS: 25954-13-6 HR: 1
AMMONIUM ETHYL CARBAMOYL- PHOSPHONATE

mf: $\text{H}_4\text{N}\cdot\text{C}_3\text{H}_7\text{NO}_4\text{P}$ mw: 170.13

PROP: Crystals. Very sol in H_2O , MeOH; sltly sol in EtOH; very sltly sol in Me_2CO , C_6H_6 .

SYNS: AMMONIUM-AETHYL-CARBAMOYL-PHOSPHONAT (GERMAN) □ AMMONIUM ETHYL

CARBAMOYLPHOSPHONATE solution □ DPX 1108 □

FOSAMINE AMMONIUM □ KRENITE □ KRENITE BRUSH CONTROL AGENT

TOXICITY DATA with REFERENCE:

orl-rat LD50:11 g/kg 85JFAN A218,84

ihl-rat LC50:>57 g/m³/1H 85JFAN A218,84

skn-rbt LD50:>1660 mg/kg PEMNDP 9,442,91

orl-gpg LD50:7380 mg/kg PEMNDP 9,442,91

orl-qal LD50:10,000 mg/kg 85DPAN -,71/76

orl-dck LD50:10 g/kg 85JFAN A218,84

SAFETY PROFILE: Mildly toxic by ingestion and inhalation. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of NO_x , PO_x , and NH_3 .

ANG925 CAS: 14221-47-7 HR: 3
AMMONIUM FERRIC OXALATE

mf: $\text{C}_6\text{FeO}_{12}\cdot 3\text{H}_4\text{N}$ mw: 374.06

PROP: Green solid.

SYNS: AMMONIUM FERRIOXALATE □ AMMONIUM TRIOXALATOFERRATE(III) □ FERRIC AMMONIUM OXALATE

□ FERRIC AMMONIUM OXALATE (DOT) □ TRIAMMONIUM TRIS-(ETHANEDIOATO(2-),O,O')FERRATE(3-1)

TOXICITY DATA with REFERENCE:

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

eye-rbt 100 mg MOD FCTOD7 20,573,82

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye and skin irritant. When heated to decomposition it emits toxic fumes of NH_3 . See also OXALATES.

ANH000 CAS: 13826-83-0 HR: 3
AMMONIUM FLUOBORATE

mf: NH_4BF_4 mw: 104.86

PROP: White, colorless, rhombic crystals. D: 1.871 @ 15°, mp: sublimes. Sol in NH_4OH and water.

SYNS: AMMONIUM BOROFUORIDE □ AMMONIUM FLUOROBORATE □ AMMONIUM TETRAFLUOROBORATE □ AMMONIUM TETRAFLUOROBORATE(1-)

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2.5 mg(F)/m³

ACGIH TLV: TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

NIOSH REL: (Fluorides, Inorganic) TWA 2.5 mg(F)/m³

SAFETY PROFILE: A poison and strong irritant. See also FLUORIDES and BORON COMPOUNDS. When heated to decomposition it emits very toxic fumes of F^- , NO_x , and NH_3 .

ANH250 CAS: 12125-01-8 HR: 3

AMMONIUM FLUORIDE**DOT:** UN 2505mf: $\text{H}_4\text{N}\cdot\text{F}$ mw: 37.05**PROP:** White, colorless, deliquescent crystals. Mp: sublimes, d: 1.009 @ 25°. Very sol in water; sltly sol in alc.**SYNS:** AMMONIUM FLUORURE (FRENCH) □ NEUTRAL AMMONIUM FLUORIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:31 mg/kg XEURAQ UR-154,1951

scu-frg LDLo:280 mg/kg CRSBAW 124,133,37

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 2.5 mg(F)/m³**ACGIH TLV:** TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.**NIOSH REL:** (fluorides, inorganic) TWA 2.5 mg(F)/m³**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Poison by subcutaneous and intraperitoneal routes. See also FLUORIDES. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and NH₃. Incompatible with ClF₃.**ANH300 CAS: 14874-86-3 HR: 3****AMMONIUM FLUOROBERYLLATE**mf: $\text{BeF}_4\cdot 2\text{H}_4\text{N}$ mw: 121.11**SYNS:** AMMONIUM TETRAFLUOROBERYLLATE □ BERYLLATE(2-), TETRAFLUORO-, DIAMMONIUM, (T-4)- □ BERYLLATE(2-), TETRAFLUORO-, DIAMMONIUM □ DIAMMONIUM BERYLLIUMTETRAFLUORIDE □ DIAMMONIUM TETRAFLUOROBERYLLATE □ (T-4)-TETRAFLUORO BERYLLATE(2-) DIAMMONIUM**TOXICITY DATA with REFERENCE:**

orl-rat LD50:100 mg/kg STGNBT-,18,1999

ihl-rat LC50:213 mg/m³ STGNBT-,18,1999

ipr-rat LD50:5 mg/kg STGNBT-,18,1999

ihl-mus LC50:267 mg/m³ STGNBT-,18,1999**SAFETY PROFILE:** A poison by ingestion, inhalation, and intraperitoneal routes. When heated to decomposition it emits toxic vapors of NH₄⁺, Be, and F⁻.**ANH500 CAS: 540-69-2 HR: 2****AMMONIUM FORMATE**mf: $\text{CH}_2\text{O}_2\cdot\text{H}_3\text{N}$ mw: 63.07**PROP:** White, deliquescent crystals. Mp: 116°, bp: decomp @ 180°, d: 1.280.**SYN:** FORMIC ACID AMMONIUM SALT**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2250 mg/kg ZERNAL 9,332,69

ivn-mus LD50:410 mg/kg ZERNAL 9,332,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x and NH₃.**ANH600 CAS: 12027-67-7 HR: D****AMMONIUM HEPTAMOLYBDATE**mf: $\text{Mo}_7\text{O}_{24}\cdot 6\text{H}_4\text{N}$ mw: 1163.88**SYNS:** AMMONIUM MOLYBDATE(II) ((NH₄)₆Mo₇O₂₄) □

AMMONIUM PARAMOLYBDATE □ MOLYBDATE,

HEXAAMMONIUM (9CI) □ MOLYBDIC ACID,

HEXAAMMONIUM SALT

TOXICITY DATA with REFERENCE:

mic-esc 2 mmol/L MUREAV 31,185,1975

dnr-bcs 50 mmol/L MUREAV 31,185,1975

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of Mo and NH₃.**ANH875 CAS: 14481-29-9 HR: 3****AMMONIUM HEXACYANOFERRATE(II)**mf: $\text{C}_6\text{H}_{16}\text{FeN}_{10}$ mw: 284.11**CONSENSUS REPORTS:** Cyanide and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** A poison. Reacts explosively with metal nitrates when heated, e.g., cobalt(II) nitrate at 220°C and copper(II) nitrate at 220°C. When heated to decomposition it emits toxic fumes of CN⁻ and NH₃. See also CYANIDE.**ANI000 CAS: 13815-28-6 HR: 3****AMMONIUM HEXAFLUOROFERRATE**mf: $\text{F}_6\text{FeH}_{12}\text{N}_3$ mw: 224.00**SYN:** HEXAFLUORO FERRATE (3-) TRIAMMONIUM SALT**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#04248

OSHA PEL: TWA 2.5 mg(F)/m³**ACGIH TLV:** TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift; TWA 1 mg(Fe)/m³**NIOSH REL:** (Fluorides, Inorganic) TWA 2.5 mg(F)/m³**SAFETY PROFILE:** Poison by intravenous route. See also FLUORIDES and IRON COMPOUNDS. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and NH₃.**ANI250 CAS: 16962-40-6 HR: 3****AMMONIUM HEXAFLUOROTITANATE**mf: $\text{F}_6\text{Ti}\cdot\text{H}_4\text{N}_2$ mw: 193.96**PROP:** White solid.**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#00134

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 2.5 mg(F)/m³**ACGIH TLV:** TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.**NIOSH REL:** (Fluorides, Inorganic) TWA 2.5 mg(F)/m³**SAFETY PROFILE:** Poison by intravenous route. See also FLUORIDES, AMMONIA, and TITANIUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of F⁻ and NO_x.**ANI500 CAS: 13815-31-1 HR: 3**

AMMONIUM HEXAFLUOROVANADATEmf: $F_6H_{12}N_3V$ mw: 219.09**SYN:** HEXAFLUORO VANADATE (3-) TRIAMMONIUM SALT**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:10 mg/kg CSLNX* NX#04249

OSHA PEL: TWA 2.5 mg(F)/m³**ACGIH TLV:** TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift; TWA 0.05 mg(V₂O₅)/m³**NIOSH REL:** (Vanadium Compounds) CL 0.05 mg(V)/m³/15M**SAFETY PROFILE:** Poison by intravenous route. See also FLUORIDES and VANADIUM COMPOUNDS. When heated to decomposition it emits very toxic NH₃, NO_x, VO_x, and fluorides.**ANI750****HR: 3****AMMONIUM HEXANITRO COBALTATE**mf: $CoH_{12}N_9O_{12}$ mw: 389.1**CONSENSUS REPORTS:** Cobalt and its compounds are on the Community Right-To-Know List.**SAFETY PROFILE:** Explodes @ 230°. Also is impact sensitive. Upon decomposition it emits toxic fumes of NO_x. See also COBALT COMPOUNDS and NITRATES.**ANI800****CAS: 77182-82-2****HR: 3****AMMONIUM (di-HOMOALANINE-4-YL)METHYLPHOSPHINATE**mf: $C_5H_{11}NO_4P \cdot H_4N$ mw: 198.19**SYNS:** 2-AMINO-4-(HYDROXYMETHYLPHOSPHINYL)BUTANOIC ACID MONOAMMONIUM SALT □ AMMONIUM (3-AMINO-3-CARBOXYPROPYL)METHYLPHOSPHINATE □ AMMONIUM 2-AMINO-4-(HYDROXYMETHYLPHOSPHINYL)BUTANOATE □ BASTA □ BUTANOIC ACID, 2-AMINO-4-(HYDROXYMETHYLPHOSPHINYL)-, MONOAMMONIUM SALT □ FINALE □ GLUFOSINATE-AMMONIUM □ HOE 00661 □ HOE 39866 □ PHOSPHINOTHICIN MONOAMMONIUM SALT □ RUBOUT □ TOTAL**TOXICITY DATA with REFERENCE:**

orl-wmn LDLo:1600 µL/kg JJTOEX 7,47,94

orl-wmn TDLo:1850 mg/kg VHTODE 36,17,94

orl-rat LD50:1620 mg/kg FMCHA2 -,C154,91

skn-rat LD50:>2 g/kg 85JFAN A810,86

ipr-rat LD50:83 mg/kg FCTOD7 28,339,90

scu-rat LD50:61 mg/kg FCTOD7 28,339,90

orl-mus LD50:416 mg/kg PEMNDP 9,458,91

ipr-mus LD50:82 mg/kg FCTOD7 28,339,90

scu-mus LD50:88 mg/kg FCTOD7 28,339,90

orl-dog LD50:200 mg/kg PEMNDP 9,458,91

SAFETY PROFILE: A poison by ingestion, subcutaneous, and intraperitoneal routes. Low toxicity by skin contact. Human systemic effects by ingestion: blood pressure lowering, change in motor activity, coma, cyanosis. When heated to decomposition it emits toxic vapors of NO_x and PO_x.**ANJ000****CAS: 1341-49-7****HR: 3****AMMONIUM HYDROGEN FLUORIDE****DOT:** UN 1727/UN 2817mf: F_2H_5N mw: 57.06**PROP:** White, colorless crystals. D: 1.51, mp: 126°, bp: 239°. Will etch glass. Very sol in water; sltly sol in alc.**SYNS:** ACID AMMONIUM FLUORIDE □ AMMONIUM BIFLUORIDE □ AMMONIUM DIFLUORIDE □ AMMONIUM FLUORIDE comp. with HYDROGEN FLUORIDE (1:1) □ AMMONIUM HYDROFLUORIDE □ AMMONIUM HYDROGEN BIFLUORIDE □ AMMONIUM HYDROGEN DIFLUORIDE □ AMMONIUM HYDROGEN FLUORIDE, solid (UN 1727) (DOT) □ AMMONIUM HYDROGEN FLUORIDE, solution (UN 2817) (DOT)
CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**OSHA PEL:** TWA 2.5 mg(F)/m³**ACGIH TLV:** TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.**NIOSH REL:** (Fluorides, Inorganic) TWA 2.5 mg(F)/m³**DOT CLASSIFICATION:** 8; Label: Corrosive (UN 1727); DOT Class: 8; Label: Corrosive, Poison (UN 2817)**SAFETY PROFILE:** Caustic poison and strong irritant by all routes. See also HYDROFLUORIC ACID. When heated to decomposition it emits very toxic fumes of F⁻, NO_x, and NH₃.**ANJ500****CAS: 7803-63-6****HR: 2****AMMONIUM HYDROGEN SULFATE****DOT:** UN 2506mf: NH_4HSO_4 mw: 115.11**PROP:** White rhombic crystals; sol in water; insol in acetone. Mp: 146.9°, d: 1.78.**SYNS:** ACID AMMONIUM SULFATE □ AMMONIUM ACID SULFATE □ AMMONIUM BISULFATE □ AMMONIUM MONOHYDROGEN SULFATE □ MONOAMMONIUM SULFATE □ SULFURIC ACID, MONOAMMONIUM SALT**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive**SAFETY PROFILE:** Moderately toxic by ingestion. A corrosive. See also SULFATES. Dangerous; when heated to decomposition it emits highly toxic fumes of sulfuric acid and SO_x, NH₃, and NO_x.**ANJ750****CAS: 12124-99-1****HR: 3****AMMONIUM HYDROSULFIDE**mf: NH_4HS mw: 51.11**PROP:** Powder or crystals. Mp: 118° (150 atm), d: 1.17, vap press: 400 mm @ 21.8°.**SYNS:** AMMONIUM BISULFIDE □ AMMONIUM HYDROGEN SULFIDE □ AMMONIUM HYDROSULFIDE, solution (DOT) □ AMMONIUM MERCAPTAN □ AMMONIUM SULFHYDRATE □ MONOAMMONIUM SULFIDE □ SIRNIK AMONNY □ TRUE AMMONIUM SULFIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:168 mg/kg NTIS** AD-A062-138

orl-mus LDLo:80 mg/kg JPETAB 76,179,42

skn-mus LDLo:2457 mg/kg JPETAB 76,179,42

ipr-mus LDLo:10 mg/kg JPETAB 76,179,42

scu-mus LD50:132 mg/kg 28ZPAK -,18,72

ivn-mus LDLo:2 mg/kg JPETAB 76,179,42

ivn-dog LDLo:2 mg/kg JPETAB 76,179,42

skn-rbt LD50:1682 mg/kg JACTDZ 1,712,92

scu-rbt LDLo:7500 µg/kg JPETAB 76,179,42

ivn-rbt LDLo:1500 µg/kg JPETAB 76,179,42

idr-rbt LDLo:30 mg/kg JPETAB 76,179,42

skn-gpg LDLo:692 mg/kg JPETAB 76,179,42

par-gpg LDLo:143 mg/kg JPETAB 76,179,42

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Moderately toxic by skin contact. Pyroforic in air. See also SULFIDES. When heated to decomposition it emits very toxic fumes of SO_x, NO_x, and NH₃. Incompatible with zinc.

ANK250 CAS: 1336-21-6 HR: 3
AMMONIUM HYDROXIDE

DOT: NA 2672

mf: H₄N•HO mw: 35.06

PROP: Clear, colorless liquid solution of ammonia; very pungent odor. D: 0.90, mp: -77°. Sol in water. Soln contains not more than 44% ammonia.

SYNS: AMMONIA AQUEOUS □ AMMONIA WATER 29% □ AMMONIA SOLUTIONS, with >10% but not >35% ammonia (UN 2672) (DOT) □ AMMONIA SOLUTIONS, with >35% but not >50% ammonia (UN 2073) (DOT) □ AQUA AMMONIA

TOXICITY DATA with REFERENCE:

eye-rbt 1 mg/30S RNS SEV TXCYAC 23,281,82

eye-rbt 750 µg SEV AJOPAA 29,1363,46

mno-sat 10 µL/plate ANYAA 76,475,58

mno-esc 10 µL/disc ANYAA 76,475,58

orl-hmn LDLo:43 mg/kg 34ZIAG -,95,69

ihl-hmn LCLo:5000 ppm 34ZIAG -,95,69

ihl-hmn TCLo:700 ppm:EYE JISMAB 61,271,71

ihl-hmn TCLo:408 ppm:IRR JISMAB 61,271,71

orl-rat LD50:350 mg/kg JIHTAB 23,259,41

orl-cat LDLo:750 mg/kg HBAMAK 4,1289,35

ivn-rbt LDLo:10 mg/kg HBAMAK 4,1289,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

NIOSH REL: (Ammonia) CL 50 ppm

DOT CLASSIFICATION: 8; Label: Corrosive (UN 2672); DOT Class: 2.2; Label: Nonflammable Gas (UN 2073)

SAFETY PROFILE: A human poison by ingestion. An experimental poison by inhalation and ingestion. A severe eye irritant. Human systemic irritant effects by ocular and inhalation routes. Mutation data reported. Incompatible with acrolein, nitromethane, acrylic acid, chlorosulfonic acid, dimethyl sulfate, halogens, (Au + aqua regia), HCl, HF, HNO₃, oleum, β-propiolactone, propylene oxide, AgNO₃, Ag₂O, (Ag₂O + C₂H₅OH), AgMnO₄, H₂SO₄. Dangerous; liquid can inflict burns. Use with adequate ventilation. When heated to decomposition it emits NH₃ and NO_x.

ANK500 HR: 3
AMMONIUM HYPOPHOSPHITE

mf: H₆NO₂P mw: 83.03

PROP: White granules or rhombic crystals. D: 1.634, mp: 200°, bp: decomp @ 240°. Sol in water, alc, NH₃; insol in acetone.

SAFETY PROFILE: When heated it can liberate highly toxic and flammable PH₃. See also PHOSPHINE. When

heated to decomposition it can emit highly toxic fumes of PH₃, PO_x, NH₃, and NO_x.

ANK600 CAS: 7783-18-8 HR: 2
AMMONIUM HYPOSULFITE

mf: O₃S₂•2H₄N mw: 148.22

PROP: A solid.

SYNS: AMMONIUM THIOSULFATE □ DIAMMONIUM THIOSULFATE □ THIOSULFURIC ACID, DIAMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:2890 mg/kg GTPZAB 26(6),54,82

orl-mus LD:>3 g/kg GTPZAB 26(6),54,82

orl-gpg LD50:1098 mg/kg GTPZAB 26(6),54,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NH₄⁺ and SO_x.

ANK650 CAS: 27441-86-7 HR: 2
AMMONIUM IMIDODISULFONATE

mf: H₃NO₆S₂•xH₂O mw: 296.44

SYNS: AMMONIUM IMIDOBISULFATE □ AMMONIUM IMIDOSULFONATE □ IMIDODISULFURIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:3300 mg/kg GISAAA 52(10),88,87

orl-mus LD50:2700 mg/kg GISAAA 52(10),88,87

orl-gpg LD50:2250 mg/kg GISAAA 52(10),88,87

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NH₄⁺ and SO_x.

ANK750 HR: 3
AMMONIUM IODATE

mf: H₄INO₃ mw: 192.94

PROP: Colorless crystals. D: 3.309 @ 21°, mp: 150° (decomp). Sltly sol in cold water; insol in hot water.

SAFETY PROFILE: A powerful, unstable oxidizer. When heated to decomposition it emits very toxic fumes of I⁻ and NO_x. Has detonated upon contact with a scoop, possibly due to contamination by ammonium periodate. See also IODATES.

ANL000 HR: 2
AMMONIUM IODIDE

mf: NH₄I mw: 145

PROP: Colorless, hygroscopic crystals. Mp: subl @ 551°, bp: 220° (vac), d: 2.514 @ 25°, vap press: 1 mm @ 210.9°.

SAFETY PROFILE: Moderately toxic. See also IODIDES. Incompatible with BrF₃; IF₇; K. When heated to decomposition it emits toxic fumes of I⁻, NH₃, and NO_x.

ANL100 CAS: 57267-78-4 HR: 1
AMMONIUM ISETHIONATE

mf: C₂H₅O₄S•H₃N mw: 142.17

SYNS: ETHANESULFONIC ACID, 2-HYDROXY-, AMMONIUM SALT □ 2-HYDROXYETHANESULFONIC ACID AMMONIUM SALT

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD FCTOD7 20,573,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An eye irritant. When heated to decomposition it emits toxic fumes of SO_x, NH₃, and NO_x.

ANL500 CAS: 10169-00-3 HR: 2
AMMONIUM LANTHANUM NITRATE

mf: H₄N•La•7NO₃ mw: 591.03

SYNS: LANTHANUM AMMONIUM NITRATE □ NITRIC ACID, AMMONIUM LANTHANUM SALT □ NITRIC ACID, LANTHANUM AMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:3400 mg/kg AIHOAX 1,637,50

ipr-rat LD50:625 mg/kg AIHOAX 1,637,50

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. See also NITRATES. When heated to decomposition it emits very toxic fumes of NH₃ and NO_x.

ANL750 HR: 3
AMMONIUM MAGNESIUM ARSENATE

mf: NH₄MgAsO₄•6H₂O mw: 289.4

PROP: Colorless crystals. Mp: decomp, d: 1.932 @ 15°. Very sltly water-sol.

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

SAFETY PROFILE: When heated to decomposition it emits very toxic fumes of As, NH₃, and NO_x. See ARSENIC COMPOUNDS and MAGNESIUM COMPOUNDS.

ANM000 HR: 3
AMMONIUM MAGNESIUM CHROMATE

mf: (NH₄)₂CrO₄•MgCrO₄•6H₂O mw: 400.5

PROP: Yellow crystals. Mp: decomp, d: 1.84. Very water-sol. IDLH Ca [15 mg/m³ {as Cr(VI)}].

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

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 µg(Cr(VI))/m³; CL 50 µg/m³/15M

SAFETY PROFILE: A confirmed carcinogen. A poison. See also CHROMIUM COMPOUNDS and MAGNESIUM COMPOUNDS. Moderately flammable; can explode. Incompatible with reducing agents. When heated to decomposition it can emit toxic fumes of NH₃ and NO_x.

ANM250 CAS: 530-31-4 HR: 1
AMMONIUM MANDELATE

mf: C₈H₇O₃•H₄N mw: 169.20

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg AIPTAK 64,79,40

orl-rbt LDLo:5000 mg/kg AIPTAK 64,79,40

SAFETY PROFILE: Mildly toxic by ingestion. When heated to decomposition it emits toxic fumes of NO_x and NH₃.

ANM500 CAS: 5421-46-5 HR: 3
AMMONIUM MERCAPTOACETATE

mf: C₂H₃O₂S•H₃N mw: 108.15

PROP: Colorless liquid; strong skunk-like odor.

SYNS: AMMONIUM THIOGLYCOLATE □ AMMONIUM THIOGLYCOLLATE □ THIOGLYCOLLIC ACID, AMMONIUM SALT □ USAF MO-2

TOXICITY DATA with REFERENCE:

ipr-rat LD50:165 mg/kg JPETAB 97,349,49

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

ivn-cat LD50:175 mg/kg JPETAB 97,349,49

ivn-rbt LD50:100 mg/kg JPETAB 97,349,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. An allergen; can cause contact dermatitis. Emits hydrogen sulfide. See also SULFIDES. When heated to decomposition it emits very toxic NO_x, SO_x, and NH₃.

ANM625 CAS: 58696-86-9 HR: 3
AMMONIUM-3-METHYL-2,4,6-TRINITROPHENOXIDE

mf: C₇H₈N₄O₇ mw: 260.16

SAFETY PROFILE: May explode spontaneously in storage. When heated to decomposition or on explosion it emits toxic fumes of NO_x and NH₃.

ANM750 CAS: 13106-76-8 HR: 3
AMMONIUM MOLYBDATE

mf: MoO₄•2H₄N mw: 196.04

PROP: White solid. Sol in water. IDLH 1000 mg/m³ (as Mo).

SYNS: AMMONIUM PARAMOLYBDATE □ DIAMMONIUM MOLYBDATE □ MOLYBDIC ACID DIAMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:333 mg/kg 28ZLA8 -,214,61

ipr-rat LDLo:203 mg/kg EQSSDX 1,1,75

orl-cat LDLo:1600 mg/kg EQSSDX 1,1,75

orl-rbt LDLo:1870 mg/kg EQSSDX 1,1,75

scu-rbt LDLo:1600 mg/kg EQSSDX 1,1,75

orl-gpg LDLo:2200 mg/kg EQSSDX 1,1,75

ipr-gpg LDLo:800 mg/kg EQSSDX 1,1,75

scu-gpg LDLo:1380 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 and intraperitoneal routes. Moderately toxic by other routes. An irritant. See also MOLYBDENUM COMPOUNDS. When heated to decomposition it emits toxic fumes of NH₃ and NO_x.

ANN000 CAS: 6484-52-2 HR: 3
AMMONIUM(I) NITRATE(1:1)

DOT: UN 0222/UN 1942/UN 2426

mf: $\text{HNO}_3 \cdot \text{H}_3\text{N}$ mw: 80.06

PROP: Colorless crystals. Mp: 169.6°, d: 1.725 @ 25°, bp: decomp >210°. Solubility: 192/100 @ 20°.

SYNS: AMMONIUM NITRATE □ AMMONIUM NITRATE, liquid (hot concentrated solution) (UN 2426) (DOT) □ AMMONIUM NITRATE, with >0.2% combustible substances (UN 0222) (DOT) □ AMMONIUM NITRATE, with not >0.2% of combustible substances (UN 1942) (DOT) □ AMMONIUM SALTPETER □ HERCO PRILLS □ NITRIC ACID, AMMONIUM SALT □ VARIOFORM I

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

DOT CLASSIFICATION: 5.1; Label: Oxidizer (UN 2426); DOT Class: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0222); DOT Class: 5.1; Label: Oxidizer (UN 1942)

SAFETY PROFILE: A powerful oxidizer and an allergen. See also NITRATES. A relatively stable explosive that has, however, caused many industrial explosions. Violent or explosive spontaneous reactions with acetic anhydride + nitric acid, ammonium sulfate + potassium, copper iron(II) sulfide, sawdust, urea, barium nitrate, hot water, and ammonium chloride + water + zinc. Forms heat- or shock-sensitive explosive mixtures with acetic acid, aluminum + calcium nitrate + formamide (a blasting explosive), ammonia, charcoal + metal oxides (e.g., rust, copper oxide, zinc oxide above 80°C), chloride salts (e.g., ammonium chloride, calcium chloride, iron(III) chloride, and aluminum chloride), cyanoguanidine, fertilizers (e.g., super phosphate + organic materials above 90°C), hydrocarbon oils, powdered metals (e.g., aluminum, antimony, bismuth, cadmium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, tin, zinc, brass, stainless steel, titanium, and potassium), nonmetals (e.g., charcoal, and phosphorus), organic fuels (e.g., wax, oils, and stearates), potassium permanganate, sugar, sulfur, and trinitroanisole. Reaction with alkali metals (e.g., sodium) forms an explosive product. Ignites on contact with ammonium dichromate, potassium dichromate, potassium chromate, barium chloride, sodium chloride, potassium nitrate, and chromium(VI) salts. Can ignite when mixed with acetic acid. Use water in large amounts to fight fire. It is important that the mass of materials be kept cool and that burning be extinguished promptly. Ventilate well. May explode under confinement and high temperatures. When heated to decomposition it emits highly toxic fumes of NO_x . Can react vigorously with reducing materials. Incompatible with, $(\text{NH}_4\text{Cl} + \text{heat})$, $(\text{C} + \text{heat})$, organic matter, P, NaOCl , NaClO_4 . Occasional explosions in presence of oil, $(\text{NH}_4)_2\text{SO}_4$ with K or Na.

ANO250 CAS: 13446-48-5 HR: 3
AMMONIUM NITRITE

mf: NH_4NO_2 mw: 64.04

PROP: White to yellow crystals. Mp: explodes @ 60–70°, bp: subl @ 30° in vacuo, d: 1.69; very sol in water, dil alk.

SYN: NITROUS ACID, AMMONIUM SALT

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: Forbidden

SAFETY PROFILE: Powerful oxidizer. See also NITRITES. Severe explosion hazard when shocked or exposed to heat (60–70°). When heated to decomposition it emits toxic fumes of NO_x and NH_3 .

ANO400 HR: 3
AMMONIUM aci-NITROMETHANE

mf: $\text{CH}_7\text{O}_2\text{N}_2$ mw: 79.1

SAFETY PROFILE: A friction-sensitive explosive. See also NITRATES.

ANO500 CAS: 135-20-6 HR: 3
AMMONIUM-N-NITROSOPHENYLHYDROXYLAMINE

mf: $\text{C}_6\text{H}_6\text{N}_2\text{O}_2 \cdot \text{H}_4\text{N}$ mw: 156.19

PROP: Needles from water. Mp: 163–164°. Sol in water and alc; insol in Et_2O .

SYNS: CUPFERRON □ N-HYDROXY-N-NITROSO-BENZENAMINE, AMMONIUM SALT □ KUPFERRON (CZECH) □ NCI-C03258 □ N-NITROSOPHENYLHYDROXYLAMIN AMONNY (CZECH) □ N-NITROSOPHENYLHYDROXYLAMIN AMMONIUM SALZ (GERMAN) □ N-NITROSOPHENYLHYDROXYLAMINE AMMONIUM SALT

TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate ENMUDM 7(Suppl 5),1,85
 cyt-grh-orl 1 ppm JCGEDO 1,75,66
 eye-rbt 20 mg/24H MOD 85JCAE -,510,86
 orl-rat TDLo:123 g/kg/78W-C:CAR NCITR* NCI-CG-TR-100,78
 orl-mus TDLo:437 g/kg/78W-C:CAR NCITR* NCI-CG-TR-100,78
 orl-rat TD:9040 mg/kg/65W-C:ETA ZEKBAI 69,103,67
 orl-rat LD50:199 mg/kg GTPZAB 32(3),48,88
 ipr-rat LDLo:50 mg/kg KODAK* -,71
 invn-mus LD50:180 mg/kg CSLNX* NX#04968

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. NCI Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NCITR* NCI-CG-TR-100,78. Reported in EPA TSCA Inventory. Community Right-To-Know List.

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by intravenous route. An eye irritant. Solutions with thorium salts are unstable explosives above 15°C. Solutions with titanium or zirconium salts are unstable explosives above 40°C. When heated to decomposition it emits very toxic NH_3 and NO_x . See also N-NITROSO COMPOUNDS and AMINES.

ANO600 CAS: 9051-57-4 HR: 1
AMMONIUM NONOXYNOL-4-SULFATE

mf: $(\text{C}_2\text{H}_4\text{O})_n \text{C}_{15}\text{H}_{24}\text{O}_4\text{S} \cdot \text{H}_3\text{N}$

SYNS: ALIPAL CO 436 □ ALIPAL EP □ ALIPAL EP 110 □ ALIPAL EP 120 □ CO 436 □ FENOPON CO 436 □ FENOPON EP 110 □ FENOPON EP 120 □ HITENOL N 093 □ NEWCOL 560SF □ NIKKOL SNP □ POLY(OXY-1,2-ETHANEDIYL), α-SULFO-ω-(NONYLPHENOXY)-, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-rat LD50:8 g/kg FMCHA2 -,C15,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ANO750 CAS: 1113-38-8 HR: 3
AMMONIUM OXALATE

mf: C₂H₂O₄•2H₃N mw: 124.12

PROP: Colorless crystals. Mp: decomp, d: 1.50. Sltly sol in water.

SYNS: ETHANEDIOIC ACID DIAMMONIUM SALT □ OXALIC ACID, DIAMMONIUM SALT

DOT CLASSIFICATION: 6.1; Label: KEEP AWAY FROM FOOD

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison. Can react violently with (NaOCl + ammonium acetate). When heated to decomposition it can emit toxic fumes of NH₃ and NO_x. See also OXALATES.

ANO875 HR: 3
AMMONIUM OXOFUOROMOLYBDATE

mf: F₄MoO₂•2H₄N mw: 240.04

PROP: IDLH 1000 mg/m³ (as Mo).

TOXICITY DATA with REFERENCE:

orl-rat TDLo:1400 mg/kg (28D male):REP SHKKAN 23,859,81

orl-rat LD50:242 mg/kg SHKKAN 23,237,81

ipr-rat LD50:58 mg/kg SHKKAN 23,859,81

scu-rat LD50:152 mg/kg SHKKAN 23,859,81

orl-mus LD50:250 mg/kg SHKKAN 23,859,81

ipr-mus LD50:51 mg/kg SHKKAN 23,859,81

scu-mus LD50:72 mg/kg SHKKAN 23,859,81

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻, NO_x, and NH₃. See also MOLYBDENUM COMPOUNDS.

ANO900 CAS: 12208-54-7 HR: 1
AMMONIUM PARATUNGSTATE
HEXAHYDRATE

mf: H₂₄N₆O₂₄W₇•6H₂O mw: 1887.37

TOXICITY DATA with REFERENCE:

orl-rat LD50:11,300 mg/kg AIHAAP 30,470,69

ACGIH TLV: TWA 1 mg(W)/m³; STEL 3 mg(W)/m³

NIOSH REL: 10H TWA 1 mg(W)/m³

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

ANP000 HR: 3
AMMONIUM PENTA PEROXODICHROMATE

mf: Cr₂H₈N₂O₁₂ mw: 332.2

PROP: IDLH Ca [15 mg/m³ {as Cr(VI)}].

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

OSHA PEL: CL 0.1 mg(CrO₃)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 µg(Cr(VI))/m³; CL 50 µg/m³/15M

SAFETY PROFILE: A confirmed carcinogen. An unstable compound. Detonation can be initiated by heat, friction, or impact. See also CHROMIUM COMPOUNDS. Explodes @ 50°. When heated to decomposition it emits toxic fumes of NO_x.

ANP250 HR: 3
AMMONIUM PERCHLORATE

mf: NH₄ClO₄ mw: 117.50

PROP: White crystals. Mp: decomp, d: 1.95.

SAFETY PROFILE: Easily ignited by friction. Can explode when mixed with sugar, charcoal, or on contact with hot copper pipes. Can be sensitized by nitryl perchlorate, KIO₄, KMnO₄, metals (as co-crystallized impurities). It becomes impact-sensitive when contaminated by powdered carbon, ferrocene, sulfur, organic matter, or powdered metals. When heated to decomposition it emits toxic fumes of NH₃, Cl⁻, and NO_x. See PERCHLORATES.

ANP500 HR: 3
AMMONIUM PERCHLORYL AMIDE

mf: H₅N₂O₃Cl mw: 116.6

PROP: Mp: 80°.

SAFETY PROFILE: A shock-sensitive explosive. May detonate @ 80°. When heated to decomposition it emits very toxic fumes of NH₃, NO_x, and Cl⁻.

ANP625 CAS: 3825-26-1 HR: 3
AMMONIUM PERFLUOROCTANOATE

mf: C₈F₁₅O₂•H₄N mw: 431.13

PROP: Solid.

SYNS: AMMONIUM PENTADECAPLOROCTANATE □ AMMONIUM PERFLUOROCAPRILATE □ AMMONIUM PERFLUOROCAPRYLATE □ APFO □ FC-143 □ PERFLUOROAMMONIUM OCTANOATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MOD TXAPA9 81,348,85

eye-rbt 500 mg/24H MOD AIHAAP 41,576,80

orl-rat LD50:430 mg/kg AIHAAP 41,576,80

ihl-rat LC50:980 mg/m³/4H FCTOD7 24,1325,86

skn-rat LD50:7 g/kg TXAPA9 81,348,85

skn-rbt LD50:4300 mg/kg TXAPA9 81,348,85

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: 0.01 mg/m³; Animal Carcinogen

SAFETY PROFILE: Confirmed carcinogen. Poison by inhalation. Moderately toxic by ingestion. An eye and skin irritant. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻ and NH₃.

ANP750 HR: 3
AMMONIUM-*m*-PERIODATE

mf: NH₄IO₄ mw: 209

PROP: Colorless crystals. Mp: explodes, d: 3.056.

SAFETY PROFILE: A contact explosive. See also IODATES and IODIDES. Heat, impact, and touch as from a scoop or an abrasive impact may cause explosion.

When heated to decomposition it can emit toxic fumes of NH_3 , NO_x , and I^- .

ANQ250 HR: 3**AMMONIUM PEROXO BORATE**

mf: $\text{BH}_4\text{NO}_3 \cdot 1/2\text{H}_2\text{O}$ mw: 85.86

PROP: White crystals. Mp: decomp; sltly sol in water.

SAFETY PROFILE: Potentially explosive by heat, friction, or impact. See also BORON COMPOUNDS. When heated to decomposition it emits toxic fumes of NO_x and NH_3 .

ANQ750 HR: 3**AMMONIUM PEROXYCHROMATE**

mf: $(\text{NH}_4)_3\text{CrO}_2$ mw: 234.1

PROP: Red-brown crystals. Mp: decomp @ 40° , bp: explodes @ 50° .

CONSENSUS REPORTS: Chromium and its compounds are on the Community Right-To-Know List. IDLH Ca [15 mg/ m^3 {as Cr(VI)}].

OSHA PEL: CL 0.1 mg(CrO_3)/ m^3

ACGIH TLV: TWA 0.05 mg(Cr)/ m^3 ; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 $\mu\text{g}(\text{Cr(VI)})/\text{m}^3$; CL 50 $\mu\text{g}/\text{m}^3/15\text{M}$

SAFETY PROFILE: A confirmed carcinogen. A poison. See also CHROMIUM COMPOUNDS. Moderately flammable by chemical reaction with reducing agents. A powerful oxidizer. Moderately explosive when heated. When heated to decomposition it emits toxic fumes of NO_x and NH_3 .

ANR000 CAS: 7727-54-0 HR: 3**AMMONIUM PERSULFATE**

DOT: UN 1444

mf: $\text{O}_8\text{S}_2 \cdot 2\text{H}_4\text{N}$ mw: 228.22
 $\text{H}_4\text{NOSO}_2\text{OOSO}_2\text{ONH}_4$

PROP: Colorless, white, monoclinic crystals. Mp: decomp @ 120° , d: 1.982. Stable as dry solid; decomposes in H_2O forming O_2 .

SYNS: AMMONIUM PEROXYDISULFATE □ PERSULFATE d'AMMONIUM (FRENCH)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:226 mg/kg DTLVS* 4,327,80

ivn-rbt LD50:178 mg/kg DTLVS* 4,327,80

orl-rat LD50:689 mg/kg 85INA8 5,468,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 0.1 mg/ m^3

DOT CLASSIFICATION: 5.1; Label: Oxidizer

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. A powerful oxidizer that can react vigorously with reducing agents. Releases oxygen when heated. Mixtures with sodium peroxide are explosives sensitive to friction, heating above 75°C , or contact with CO_2 or water. Mixtures with (powdered aluminum + water) or (zinc + ammonia) are explosive. Violent reaction with iron or solutions of ammonia + silver salts. Solution with sulfuric acid is a strong oxidizing cleaning solution. When heated

to decomposition it emits toxic fumes of SO_x , NH_3 , and NO_x .

ANR250 CAS: 1074-52-8 HR: 3**AMMONIUM PHENYLDITHIOCARBAMATE**

mf: $\text{C}_7\text{H}_6\text{NS}_2 \cdot \text{H}_4\text{N}$ mw: 186.31

PROP: Yellow prisms. Mp: $141-143^\circ$ decomp. Very sol in water.

SYN: PHENYLDITHIOCARBAMIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:100 mg/kg JMCAS 5,846,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intraperitoneal route. See also CARBAMATES. When heated to decomposition it emits very toxic fumes of NO_x , SO_x and NH_3 .

ANR500 CAS: 7783-28-0 HR: 2**AMMONIUM PHOSPHATE, DIBASIC**

mf: $\text{H}_6\text{N}_2 \cdot \text{H}_3\text{O}_4\text{P}$ mw: 132.08

PROP: White crystals or powder; salty taste. D: 1.619, mp: 185° (decomp). Sol in water; insol in alc.

SYNS: AMMONIUM PHOSPHATE □ DIAMMONIUM HYDROGEN PHOSPHATE □ DIBASIC AMMONIUM PHOSPHATE □ SECONDARY AMMONIUM PHOSPHATE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low to moderate toxicity. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of PO_x , NO_x , and NH_3 .

ANR750 CAS: 7772-76-1 HR: 2**AMMONIUM PHOSPHATE, MONOBASIC**

mf: $\text{NH}_4\text{H}_2\text{PO}_4$ mw: 115

PROP: Brilliant-white crystals or powder. D: 1.803 @ 19° , mp: 190° . Sol in water.

SAFETY PROFILE: Incompatible with NaOCl .

ANS000 HR: 3**AMMONIUM PHOSPHIDE**

mf: $\text{P}(\text{NH}_4)_3$ mw: 85.07

SAFETY PROFILE: Poison by inhalation and ingestion. See also PHOSPHINE. When heated to decomposition it emits toxic fumes of PO_x , NO_x , and NH_3 .

ANS250 CAS: 51503-61-8 HR: 3**AMMONIUM PHOSPHITE**

mf: $\text{H}_6\text{NO}_3\text{P}$ mw: 99.04

PROP: Needles from water by slow evap.

SYN: AMMONIUM ORTHOPHOSPHITE

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:580 ppm/1H ZGSHAM 25,279,33

ihl-gpg LCLo:288 ppm/2H ZGSHAM 25,279,33

SAFETY PROFILE: Poison by inhalation. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and PO_x .

ANS500 CAS: 131-74-8 HR: 3**AMMONIUM PICRATE**

DOT: UN 0004/UN 1310mf: $C_6H_3N_3O_7 \cdot H_3N$ mw: 246.16**PROP:** Red or yellow, rhombic crystals. D: 1.719, mp: decomp, bp: explodes @ 423°. Solubility: 1.1/100 @ 20°.**SYNS:** AMMONIUM CARBAZOATE □ AMMONIUM PICRATE, dry or wetted with <10% water, by weight (UN 0004) (DOT) □ AMMONIUM PICRATE, wetted with not <10% water, by weight (UN 1310) (DOT) □ AMMONIUM PICRONITRATE □ EXPLOSIVE D □ OBELINE PICRATE □ PHENOL, 2,4,6-TRINITRO-, AMMONIUM SALT (9CI) □ PICRATOL □ PICRIC ACID, AMMONIUM SALT □ RCRA WASTE NUMBER P009 □ 2,4,6-TRINITROPHENOL AMMONIUM SALT**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0004)**SAFETY PROFILE:** An allergen. Moderately irritating to skin, eyes, and mucous membranes. Moderately flammable by spontaneous chemical reaction. A powerful oxidizer that reacts vigorously with reducing materials. Dangerous explosive when shocked or heated. The presence of trace metals increases its heat sensitivity. See PICRIC ACID, NITRATES, and EXPLOSIVES, HIGH. When heated to decomposition it emits highly toxic fumes of NO_x .**ANT000 CAS: 9080-17-5 HR: 3****AMMONIUM POLYSULFIDE (solution)****DOT:** UN 2818**SYNS:** AMMONIUM POLYSULFIDE, solution (DOT) □ AMMONIUM SULFIDE (POLY-) □ AMMONIUM SULFIDE, solution, red □ AMMONIUM TRISULFIDE □ AP-S □ DIAMMONIUM TRISULFIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:152 mg/kg NTIS** AD-A062-138

skn-rbt LD50:1790 mg/kg NTIS** AD-A062-138

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 8; Label: Corrosive, Poison**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by skin contact. See also AMMONIUM HYDROSULFIDE. When heated to decomposition it emits very toxic fumes of NO_x , SO_x , and H_2S .**ANT100 HR: D****AMMONIUM POTASSIUM HYDROGEN PHOSPHATE****CONSENSUS REPORTS:** Carcinogenic

Determination: Indefinite IARC** 9,245,75.

SAFETY PROFILE: When heated to decomposition it emits acrid smoke and irritating fumes.**ANT250 CAS: 64046-00-0 HR: 2****AMMONIUM POTASSIUM SELENIDE mixed with AMMONIUM POTASSIUM SULFIDE**mf: $H_4KNSe + NH_4KS$ mw: 136.11 + 89.21 = 225.32**SYN:** AMMONIUM POTASSIUM SULFIDE mixed with AMMONIUM POTASSIUM SELENIDE**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 **DFG MAK:** 0.1 mg(Se)/ m^3 **SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also SULFIDES. When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , SO_x , and Se.**ANT300 CAS: 19441-09-9 HR: 3****AMMONIUM REINECKATE HYDRATE**mf: $C_4H_{10}N_7S_4 \cdot Cr \cdot H_2O$ mw: 354.47**SYN:** CHROMATE(1-), DIAMMINETETRAKIS(ISOTHIOCYANATO)-, AMMONIUM, HYDRATE**TOXICITY DATA with REFERENCE:**

scu-mus LD50:110 mg/kg ABMGJ 3,28,59

ivn-mus LD50:180 mg/kg CSLNX* NX#01547

OSHA PEL: CL 0.1 mg(CrO_3)/ m^3 **SAFETY PROFILE:** Poison by subcutaneous and intravenous routes. When heated to decomposition it emits toxic fumes of NO_x , SO_x , and CR.**ANT500 CAS: 6381-61-9 HR: 2****AMMONIUM SACCHARIN**mf: $C_7H_8N_2O_3S$ mw: 200.23**PROP:** White crystals or crystalline powder; intense sweet taste. Sol in water.**SYNS:** 1,2-BENZISOTHAZOLIN-3-ONE 1,1-DIOXIDE AMMONIUM SALT □ DARAMIN □ SACCHARIN AMMONIUM □ SACCHARINATE AMMONIUM**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg SEV LPPTAK 24,598,76

SAFETY PROFILE: A severe eye irritant. When heated to decomposition emits toxic fumes of NO_x .**ANT600 CAS: 528-94-9 HR: 3****AMMONIUM SALICYLATE**mf: $C_7H_5O_3 \cdot H_4N$ mw: 155.17**SYNS:** 2-HYDROXYBENZOIC ACID MONOAMMONIUM SALT □ SALICYLIC ACID, MONOAMMONIUM SALT □ SALICYL-VASOGEN**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:57 mg/kg;GIT JPETAB 36,319,29

par-rat LDLo:600 mg/kg JPETAB 36,319,29

par-mus LDLo:550 mg/kg JPETAB 36,319,29

ivn-dog LDLo:467 mg/kg AIPTAK 51,398,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by parenteral route. Human systemic effects by ingestion: nausea or vomiting. When heated to decomposition it emits toxic vapors of NH_3 .**ANU000 HR: 2****AMMONIUM SALTS of PHOSPHATIDIC ACIDS****TOXICITY DATA with REFERENCE:**

orl-rat LD50:5000 mg/kg FAONAU 53A,215,74

ivn-rat LD50:2000 mg/kg FAONAU 53A,215,74

orl-dog LD50:2000 mg/kg FAONAU 53A,215,74

orl-rbt LD50:5000 mg/kg FAONAU 53A,215,74

ivn-gpg LD50:2000 mg/kg FAONAU 53A,215,74

SAFETY PROFILE: Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NH_3 , PO_x , and NO_x .

**ANU200 CAS: 1002-89-7 HR: 1
AMMONIUM STEARATE**

mf: $\text{C}_{18}\text{H}_{35}\text{O}_2\cdot\text{H}_4\text{N}$ mw: 301.58

SYNS: AMMONIUM STEARATE □ OCTADECANOIC ACID, AMMONIUM SALT □ STEARIC ACID, AMMONIUM SALT

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: TWA 10 mg/m³

SAFETY PROFILE: A nuisance dust. When heated to decomposition it emits toxic vapors of NH_3 .

**ANU650 CAS: 7773-06-0 HR: 2
AMMONIUM SULFAMATE**

mf: $\text{H}_2\text{NO}_3\text{S}\cdot\text{H}_4\text{N}$ mw: 114.14

PROP: Deliquescent, hygroscopic, crystalline material (white crystalline solid). Bp: 160° (decomp), mp: 131°. Sol in water, liq NH_3 , formamide, and glycerol. IDLH 1500 mg/m³.

SYNS: AMCIDÉ □ AMICIDE □ AMMAT □ AMMATE □ AMMONIUM AMIDOSULFONATE □ AMMONIUM AMIDOSULPHATE □ AMMONIUMSALZ der AMIDO SULFONSAEURE (GERMAN) □ AMMONIUM SULPHAMATE □ AMS □ IKURIN □ MONOAMMONIUM SULFAMATE □ SULFAMATE □ SULFAMIC ACID, MONOAMMONIUM SALT □ SULFAMINSAEURE (GERMAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:2 g/kg AMIHAB 14,178,56

ipr-rat LDLo:800 mg/kg JIHTAB 25,26,43

orl-mus LD50:3100 mg/kg GTPZAB 7(5),56,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 10 mg/m³; Respirable Fraction: 5 mg/m³

ACGIH TLV: TWA 10 mg/m³

DFG MAK: 15 mg/m³

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. Somewhat explosive when heated or by spontaneous chemical reaction in a hot acid solution. A powerful oxidizer. When heated to decomposition it emits very toxic fumes of NH_3 , NO_x , and SO_x . See also SULFONATES and SULFAMIC ACID.

**ANU750 CAS: 7783-20-2 HR: 2
AMMONIUM SULFATE (2:1)**

mf: $\text{H}_8\text{N}_2\text{O}_4\text{S}$ mw: 132.16
 $\text{SO}_4\cdot(\text{NH}_4)_2$

PROP: White rhombic crystals. Mp: >280° (decomp), d: 1.77. Sol in water; insol in alc.

SYNS: AMMONIUM SULPHATE □ DIAMMONIUM SULFATE □ SULFURIC ACID, DIAMMONIUM SALT

TOXICITY DATA with REFERENCE:

orl-man TDLo:1500 mg/kg:GIT GISAAA 42(2),100,77

orl-rat LD50:3000 mg/kg CNJMAQ 12,216,48

ipr-mus LD50:610 mg/kg UCPhAQ 2,1,41

orl-dom LDLo:3500 mg/kg AJVRAH 32,1229,71

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

SAFETY PROFILE: Moderately toxic by several routes. Human systemic effects by ingestion: hypermotility, diarrhea, nausea or vomiting. See also SULFATES. Incandescent reaction on heating with potassium chlorate. Reaction with sodium hypochlorite gives the unstable explosive nitrogen trichloride. Incompatible with ($\text{K} + \text{NH}_4\text{NO}_3$), KNO_2 , ($\text{NaK} + \text{NH}_4\text{NO}_3$). When heated to decomposition it emits very toxic fumes of NO_x , NH_3 , and SO_x .

**ANV750 CAS: 13453-06-0 HR: D
AMMONIUM TELLURATE**

mf: $(\text{NH}_4)_2\text{TeO}_4$ mw: 227.7

PROP: White powder. Mp: decomp, d: 3.01 @ 25°.

SYN: TELLURIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 1 nmol/L AEMBAP 91,117,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.1 mg(Te)/m³

ACGIH TLV: TWA 0.1 mg(Te)/m³

SAFETY PROFILE: Human mutation data reported. See also TELLURIUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of Te, NO_x , and NH_3 .

**ANV800 CAS: 13820-41-2 HR: 3
AMMONIUM TETRACHLOROPLATINATE**

mf: $\text{Cl}_4\text{Pt}\cdot 2\text{H}_4\text{N}$ mw: 372.99

PROP: Red-brown solid or crystals. Mp: 140–150° (decomp), d: 2.936. Sol in water. IDLH 4 mg/m³ (as Pt).

SYNS: PLATINATE(2-), TETRACHLORO-, DIAMMONIUM □ TETRAMINE PLATINUM(II) CHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:60 mg/kg TXAPA9 49,41,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.002 mg(Pt)/m³

ACGIH TLV: TWA 0.002 mg(Pt)/m³

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of NH_3 , Cl^- , and Pt.

**ANW250 HR: 3
AMMONIUM TETRANITROPLATINATE(II)**

mf: $\text{H}_8\text{N}_6\text{O}_8\text{Pt}$ mw: 415.3

PROP: IDLH 4 mg/m³ (as Pt).

SAFETY PROFILE: An explosively unstable compound. Sensitive to heat. See also NITRATES and PLATINUM COMPOUNDS.

**ANW500 HR: 3
AMMONIUM TETRAPEROXO CHROMATE**

mf: $\text{CrH}_{12}\text{N}_3\text{O}_8$ mw: 234.2

PROP: IDLH Ca [15 mg/m³ {as Cr(VI)}].

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

OSHA PEL: CL 0.1 mg(CrO_3)/m³

ACGIH TLV: TWA 0.05 mg(Cr)/m³; Confirmed Human Carcinogen

NIOSH REL: (Chromium(VI)) TWA 25 µg(Cr(VI))/m³; CL 50 µg/m³/15M

SAFETY PROFILE: A confirmed carcinogen. A poison. Impact explodes @ 50° or in contact with H₂SO₄. See also CHROMIUM COMPOUNDS. Incompatible with H₂SO₄. When heated to decomposition it emits toxic fumes of NO_x.

ANW750 CAS: 1762-95-4 HR: 3
AMMONIUM THIOCYANATE

mf: CNS•H₄N mw: 76.13

PROP: Colorless solid or deliquescent crystals. Mp: 149.6°, bp: decomp @ 170°, d: 1.305. Very sol in H₂O, EtOH; sol in MeOH, Me₂CO; prac insol in CHCl₃ and EtOAc.

SYNS: AMMONIUM RHODANATE □ AMMONIUM RHODANIDE □ AMMONIUM SULFOCYANATE □ AMMONIUM SULFOCYANIDE □ AMTHIO □ RHODANID □ RHODANIDE □ TRANS-AID □ USAF EK-P-433 □ WEEDAZOL TL

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:430 mg/kg;GIT,CNS DAKMAJ 102,606,11

orl-rat LD50:750 mg/kg GTPZAB 30(10),51,86

orl-mus LD50:500 mg/kg GTPZAB 30(10),51,86

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

orl-mus LD50:500 mg/kg GTPZAB 30(10),51,86

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

orl-gpg LD50:500 mg/kg GTPZAB 30(10),51,86

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

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: hallucinations and distorted perceptions, nausea or vomiting, and other gastrointestinal effects. See also THIOCYANATES. When heated to decomposition it emits toxic fumes of NH₃, NO_x, SO_x, and CN⁻. Incompatible with KClO₃ and mixtures with Pb(NO₃)₂.

ANX750 HR: 3
AMMONIUM TRICHLOROACETATE

mf: NH₄O₂CCl₃ mw: 180.6

SAFETY PROFILE: Poison by inhalation and ingestion. A powerful irritant. When heated to decomposition or on contact with acid or acid fumes it emits toxic fumes of Cl⁻, NH₃, and NO_x. Incompatible with water or steam.

ANX800 CAS: 15660-29-4 HR: 3
AMMONIUM TRIFLUOROSTANNITE

mf: F₃Sn•H₄N mw: 193.74

TOXICITY DATA with REFERENCE:

ivn-mus LD50:18 mg/kg CSLNX* NX#00130

OSHA PEL: TWA 2 mg(Sn)/m³; TWA 2.5 mg(F)/m³

ACGIH TLV: TWA 2.5 mg(F)/m³; BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift; TWA 2 mg(Sn)/m³

NIOSH REL: (Fluorides, Inorganic) TWA 2.5 mg(F)/m³

SAFETY PROFILE: Poison by intravenous route. See also FLUORIDES and TIN COMPOUNDS. When heated to decomposition it emits very toxic fumes of NH₃, NO_x, and fluorides.

ANX875 CAS: 63839-60-1 HR: 3
AMMONIUM-2,4,5-TRINITROIMIDAZOLIDE

mf: C₃H₄N₆O₆ mw: 220.10

SAFETY PROFILE: An explosive comparable in power to RDX, but more thermally stable. Upon decomposition it emits toxic fumes of NO_x and NH₃. See also EXPLOSIVES.

ANY250 CAS: 7803-55-6 HR: 3
AMMONIUM VANADATE

DOT: UN 2859

mf: O₃V•H₄N mw: 116.99

PROP: Colorless to yellow crystals or solid. Mp: 200° (decomp), d: 2.326.

SYNS: AMMONIUM METAVANADATE (DOT) □ RCRA WASTE NUMBER P119 □ VANADIC ACID, AMMONIUM SALT

TOXICITY DATA with REFERENCE:

mrc-bcs 300 mmol/L MUREAV 77,109,80

ipr-ham TDLo:11,280 µg/kg (5-10D preg);TER ENVRAL 29,256,82

orl-rat LD50:58,100 µg/kg GISAAA 57(7-8),26,92

ihl-rat LC50:7800 µg/m³/4H GISAAA 57(7-8),26,92

skn-rat LD50:2102 mg/kg GISAAA 57(7-8),26,92

ipr-rat LD50:18 mg/kg ATXKA8 16,182,56

scu-rat LD50:23 mg/kg ATXKA8 16,182,56

itr-rat LDLo:8 mg/kg ATXKA8 16,182,56

scu-mus LDLo:16 mg/kg AJSNAO 1,347,17

ivn-rbt LDLo:1 mg/kg AJSNAO 1,347,17

scu-gpg LDLo:643 µg/kg AJSNAO 1,347,17

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

ACGIH TLV: TWA 0.05 mg(V₂O₅)/m³

NIOSH REL: (Vanadium Compounds) CL 0.05 mg(V)/m³/15M

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, intratracheal, and intraperitoneal routes. Moderately toxic by skin contact. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. See also VANADIUM COMPOUNDS. When heated to decomposition it emits toxic fumes of NH₃, VO_x, and NO_x.

ANY500 CAS: 69782-62-3 HR: 3
AMMONIUM VANADI-ARSENATE

mf: H₁₆N₄O₂•As₂O₅V₂ mw: 515.92

TOXICITY DATA with REFERENCE:

scu-rat LDLo:34 mg/kg AJSNAO 1,347,17

ivn-rbt LDLo:6 mg/kg AJSNAO 1,347,17

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

ACGIH TLV: TLV 0.01 mg/m³ Confirmed Human Carcinogen; BEI: 35 µ (As)/L inorganic arsenic and methylated metabolites in urine

NIOSH REL: (Vanadium Compounds) CL 0.05 mg(V)/m³/15M; CL 2 µg(As)/m³/15M

SAFETY PROFILE: Confirmed human carcinogen. Poison by subcutaneous and intravenous routes. See ARSENIC and VANADIUM COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO_x and As.

ANY750 **HR: 3**

AMMONIUM VANADO-ARSENATE

mf: H₄₀N₁₀O₅•3As₂O₅•4O₄V₂ mw: 1228.78

TOXICITY DATA with REFERENCE:

scu-rat LDLo:246 mg/kg AJSNAO 1,347,17

ivn-rbt LDLo:75 mg/kg AJSNAO 1,347,17

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

ACGIH TLV: TLV 0.01 mg/m³ Confirmed Human Carcinogen; BEI: 35 µ(As)/L inorganic arsenic and methylated metabolites in urine

NIOSH REL: (Vanadium Compounds) CL 0.05 mg(V)/m³/15M; (Arsenic, Inorganic) CL 2 µg(As)/m³/15M

SAFETY PROFILE: Confirmed human carcinogen. Poison by subcutaneous and intravenous routes. See ARSENIC and VANADIUM COMPOUNDS. When heated to decomposition it emits very toxic NO_x, NH₃, and As.

ANZ000 **CAS: 3566-10-7** **HR: 3**

AMOBAM

PROP: Used to react with zinc sulfate to form Zineb. (28ZEAL 5,11,76)

SYNS: AMBAM □ DITHANE STAINLESS

TOXICITY DATA with REFERENCE:

orl-rat LD50:395 mg/kg 28ZEAL 5,11,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOA050 **CAS: 26328-53-0** **HR: D**

AMOSCANATE

mf: C₁₃H₉N₃O₂S mw: 271.29

PROP: Crystals from acetone. Mp: 204–206°.

SYNS: C 9333 GO □ CGP 4540 □ CIBA 9333 GO □ 4-ISOTHIOCYANATO-4'-NITRODIPHENYLAMINE □ 4-ISOTHIOCYANATO-N-(4-NITROPHENYL)-BENZENAMINE (9CI) □ 4-ISOTHIOCYANO-4'-NITRO DIPHENYLAMINE □ NITHIOCYAMINE

TOXICITY DATA with REFERENCE:

dnr-esc 1 g/L MUREAV 164,9,86

bfa-mus/omi 250 mg/kg TCMUD8 1,129,80

hma-mus/esc 250 mg/kg/3H MUREAV 164,9,86

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Mutation data reported. An anthelmintic agent.

AOA075 **HR: 3**

AMOSULALOL HYDROCHLORIDE

mf: C₁₈H₂₄N₂O₅S•ClH mw: 416.96

SYN: YM-09538

TOXICITY DATA with REFERENCE:

scu-rat LD50:541 mg/kg KSRNAM 19,6121,85

ivn-rat LD50:105 mg/kg KSRNAM 19,6121,85

orl-mus LD50:5740 mg/kg KSRNAM 19,6121,85

scu-mus LD50:394 mg/kg KSRNAM 19,6121,85

ivn-mus LD50:104 mg/kg KSRNAM 19,6121,85

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. An experimental teratogen.

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

AOA095 **CAS: 14028-44-5** **HR: 3**

AMOXAPINE

mf: C₁₇H₁₆ClN₃O mw: 313.79

PROP: Crystals from benzene/pet ether. Mp: 178–180°.

SYNS: AMOXEPINE □ ASENDIN □ 2-CHLORO-11-(1-PIPERAZINYL)DIBENZ(b,f)(1,4)OXAZEPINE □ CL 67772 □ DEMOLOX □ MOXADIL

TOXICITY DATA with REFERENCE:

orl-wmn LDLo:40 mg/kg:CVS AEMED3 17,274,88

orl-man TDLo:70 mg/kg/3W-I:CVS JCLPDE 45,358,84

orl-cld LDLo:25 mg/kg:EYE,CNS SMJOAV 76,543,83

orl-cld TDLo:10 mg/kg:CVS JAMAAP 250,1069,83

orl-man TDLo:4286 µg/kg:MUS SMJOAV 77,94,84

orl-wmn LDLo:40 mg/kg:CNS,CVS,BPR JAMAAP 250,1069,83

orl-wmn TDLo:5 mg/kg:BAH JAMAAP 250,1069,83

orl-wmn TDLo:17 mg/kg:BAH JTCTDW 20,101,83

orl-wmn TDLo:15 mg/kg/5D-I:GLN JCLPDE 44,347,83

orl-man TDLo:14 mg/kg:SYS JAMAAP 248,3141,82

orl-man TDLo:4285 µg/kg/2D-I:BAH AJPSAO 140,115,83

unr-man TDLo:5714 µg/kg/2D-I:PNS SMJOAV 76,1077,83

orl-rat LD50:313 mg/kg IYKEDH 11,811,80

ipr-rat LD50:201 mg/kg AIPTAK 233,107,78

scu-rat LD50:4500 mg/kg KSRNAM 5,1852,71

orl-mus LD50:122 mg/kg AIPTAK 233,107,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Human systemic effects by ingestion: acute renal failure, acute tubular necrosis, BP lowering, coma, convulsions, decreased body temperature, EKG changes, excitement, fasciculations, heart rate changes, hyperglycemia, increased body temperature, miosis, muscle contraction or spasticity, pulse rate increase, rigidity, somnolence. When heated to decomposition it emits toxic fumes of NO_x and Cl⁻.

AOA100 **CAS: 61336-70-7** **HR: 2**

AMOXICILLIN TRIHYDRATE

mf: C₁₆H₁₉N₃O₅S•3H₂O mw: 419.50

SYNS: α-AMINO-p-HYDROXYBENZYL-PENICILLIN

TRIHYDRATE □ (2S-(2-α,5-α,6-β(S*)))-6-((AMINO(4-HYDROXYPHENYL)ACETYL)AMINO)-3,3-DIMETHYL-7-OXO-4-THIA-1-AZABICYCLO(3.2.0)HEPTANE-2-CARBOXYLIC ACID TRIHYDRATE □ BRL 2333 TRIHYDRATE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:2870 mg/kg KSRNAM 7,3040,73

ipr-mus LD50:3590 mg/kg KSRNAM 7,3040,73

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

AOA125 CAS: 61-19-8 HR: 1 AMP

mf: C₁₀H₁₄N₅O₇P mw: 347.26

PROP: Solid. Mp: 196–200°.

SYNS: ADENOSINE-5'-MONOPHOSPHATE □ ADENOSINE-5-MONOPHOSPHORIC ACID □ ADENOSINE-5'-MONOPHOSPHORIC ACID □ ADENOSINE PHOSPHATE □ ADENOSINE-5'-PHOSPHATE □ ADENOSINE-5'-PHOSPHORIC ACID □ ADENOVITE □ ADENYL □ ADENYLIC ACID □ tert-ADENYLIC ACID □ A5MP □ 5-AMP □ 5'-AMP □ AMP (nucleotide) □ CARDIOMONE □ ERGADENYLIC ACID □ LYCEDAN □ MUSCLE ADENYLIC ACID □ MY-B-DEN □ MYOSTON □ NSC-20264 □ PHOSADEN □ PHOSPHADEN □ PHOSPHENTASIDE

TOXICITY DATA with REFERENCE:

oms-hmn:oth 100 μmol/L JIDEAE 65,52,75

oms-mus:oth 50 μmol/L JIDEAE 66,313,76

ipr-mus LD50:4 g/kg PCJOAU 20,160,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Slightly toxic by intraperitoneal route. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of PO_x and NO_x.

AOA130 CAS: 60-92-4 HR: D cAMP

mf: C₁₀H₁₂N₅O₆P mw: 329.24

PROP: Crystals. Mp: 219–220°.

SYNS: ADENOSINE CYCLIC MONOPHOSPHATE □ ADENOSINE-3',5'-CYCLIC MONOPHOSPHATE □ ADENOSINE CYCLIC-3',5'-PHOSPHATE □ ADENOSINE-3',5'-CYCLOPHOSPHATE □ ADENOSINE-3',5'-MONOPHOSPHATE □ ADENOSINE-3',5'-PHOSPHATE □ 3',5'-AMP □ CYCLIC ADENOSINE-3',5'-PHOSPHATE □ CYCLIC AMP □ CYCLIC-3',5'-AMP

TOXICITY DATA with REFERENCE:

oms-hmn:oth 100 μmol/L JIDEAE 65,52,75

oms-mus:fbr 1 mmol/L IJCNAW 13,404,74

dns-ham:oth 130 mmol/L CNREA8 42,366,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOA250 CAS: 60-15-1 HR: 3 AMPHETAMINE

mf: C₉H₁₃N mw: 135.23

SYNS: β-AMINOPROPYL BENZENE □ DESOXYNO-REPHEDRINE □ ELASTONON □ FENOPROMIN □ α-METHYLPHENETHYLAMINE □ MYDRIAL □ 1-PHENYL-2-AMINO-PROPAN (GERMAN) □ 1-PHENYL-2-AMINOPROPANE □ β-PHENYLISOPROPYLAMINE (GERMAN) □ (PHENYLISOPROPYL) AMINE □ β-PHENYLISOPROPYLAMINE □ PROTIOAMPHET AMINE

TOXICITY DATA with REFERENCE:

orl-inf TDLo:7500 mg/kg:CNS, CVS, SKN AJDCAI 130,507,76

orl-rat LDLo:50 mg/kg AEPPAE 195,647,40

ipr-rat LD50:125 mg/kg JPETAB 132,97,61

scu-rat LD50:39 mg/kg JPETAB 86,280,46

orl-mus LD50:22 mg/kg ARZNAD 32,604,82

ipr-mus LD50:16 mg/kg PSCHDL 51,209,77

scu-mus LD50:2800 μg/kg AEPPAE 233,72,58

ivn-mus LD50:18 mg/kg APTOA6 38,474,76

scu-rbt LDLo:20 mg/kg AEPPAE 192,331,39

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: excitement, changes in heart rate and sweating. When heated to decomposition it emits very toxic fumes of NO_x. See other amphetamine entries.

AOA500 CAS: 51-64-9 HR: 3 d-AMPHETAMINE

mf: C₉H₁₃N mw: 135.23

PROP: Oil. Bp: 102° @ 16 mm.

SYNS: d-2-AMINO-1-PHENYLPROPANE □ (+)-AMPHETAMINE □ AMSUSTAIN □ DEPHADREN □ DEXAMPHETAMINE □ DEXEDRINE □ α-METHYLPHENETHYLAMINE, d-FORM □ d-1-PHENYL-2-AMINOPROPAN (GERMAN) □ d-1-PHENYL-2-AMINOPROPANE

TOXICITY DATA with REFERENCE:

scu-rat TDLo:25 mg/kg (female 5-9D post):REP

DABBBA 31,6304,71

orl-man TDLo:42 mg/kg/25W-I BIPCBA 20,1332,85

orl-cld TDLo:3600 μg/kg/10D-I AJPSAO 143,1176,85

orl-rat LD50:38 mg/kg TXAPA9 18,185,71

ipr-rat LDLo:20 mg/kg AEPPAE 195,647,40

scu-rat LD50:200 mg/kg 27ZIAQ -,84,73

orl-mus LD50:40 mg/kg TXAPA9 41,329,77

ipr-mus LD50:4400 μg/kg AIPTAK 161,206,66

scu-mus LD50:20 mg/kg AIPTAK 146,392,63

ivn-mus LD50:25 mg/kg JMCMA 15,410,72

orl-dog LDLo:6400 μg/kg 27ZIAQ -,84,73

orl-mky LDLo:32 mg/kg 27ZIAQ -,84,73

ipr-grb LD50:17,600 μg/kg GERNDJ 23,165,77

orl-mam LD50:375 mg/kg JMCMA 8,836,65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Experimental reproductive effects. Chronic exposure causes central nervous system damage and blood-pressure effects. When heated to decomposition it emits toxic NO_x. See other amphetamine entries.

AOA750 CAS: 2706-50-5 HR: 3 AMPHETAMINE HYDROCHLORIDE

mf: C₉H₁₃N•ClH mw: 171.69

SYNS: dl-α-METHYL-PHENETHYLAMINE HYDROCHLORIDE □ dl-β-PHENYLISOPROPYLAMINE HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:40 mg/kg JMCMA 8,100,65

ivn-rbt LD50:15 mg/kg JPETAB 79,187,43

scu-gpg LDLo:52 mg/kg JPETAB 47,339,33

SAFETY PROFILE: Poison by subcutaneous, intravenous, and intraperitoneal routes. When heated to

decomposition it emits very toxic fumes of HCl and NO_x.
See other amphetamine entries.

AOB000 **HR: 3**
dl-AMPHETAMINE SALT with FINE RESIN

PROP: Amberlite XE-69 is a sulfonic acid cation exchange resin. Mesh size exceeds 200 mesh. (TXAPA9 1,42,59)

SYN: α-METHYL-PHENETHYLAMINE compounded with AMBERLITE XE-69

TOXICITY DATA with REFERENCE:

orl-rat LD50:195 mg/kg TXAPA9 1,42,59
orl-mus LD50:200 mg/kg TXAPA9 1,42,59

SAFETY PROFILE: Poison by ingestion. When heated to decomposition it emits toxic fumes of NO_x and SO_x.
See other amphetamine entries.

AOB250 **CAS: 60-13-9** **HR: 3**
dl-AMPHETAMINE SULFATE

mf: C₁₈H₂₆N₂•H₂O₄S mw: 368.54

SYNS: ACETDRON □ ADIPAN □ ADIPARTHROL □ AKETDRIN □ AKTEDRIN □ ALENTOL □ AMFETAMINA □ AMFETAMINE □ (±)-2-AMINO-1-PHENYLPROPANE SULFATE □ (±)-AMPHETAMINE SULFATE □ ANFETAMINA □ BENNIE □ BENZAMPHETAMINE □ BENZEDRYNA □ BENZIES □ BETAFEN □ CARTWHEELS □ DEOXYNOREPHEDRINE □ DESOXYNOREPHEDRINE □ HEARTS □ IBIOZEDRINE □ LINAMPHETA □ (±)-α-METHYLPHENETHYLAMINE SULFATE □ NCI-C55710 □ NOREPHEDRANE □ PEACHES □ PHARMEDRINE □ PHENAMINE □ PHENEDRINE □ (±)-PHENISOPROPYLAMINE SULFATE □ β-PHENYL ISOPROPYL-AMINE SULFATE □ PSYCHEDRINUM □ PSYCHEDRYNA □ RACE-PHEN □ ROSES □ STIMULAN

TOXICITY DATA with REFERENCE:

sln-dmg-unk 1500 g/L CTOXAO 5,395,72
orl-mus TDLo:900 mg/kg (1-18D preg):TER OFAJAE 41,227,65
orl-hmn TDLo:41 mg/kg:CNS,CVS KLWOAZ 17,1580,38
orl-rat LD50:55 mg/kg ARZNAD 13,711,63
ipr-rat LD50:125 mg/kg JPETAB 132,97,61
scu-rat LD50:160 mg/kg AIMEAS 10,1874,37
orl-mus LD50:24 mg/kg ARZNAD 13,711,63
ipr-mus LD50:13 mg/kg RPTOAN 48,26,85
ipr-mus LD50:13 mg/kg FATOAO 48(1),15,85
scu-mus LD50:7 mg/kg AIPTAK 170,428,67
ivn-mus LD50:68 mg/kg JPETAB 84,12,45
orl-dog LD50:23 mg/kg PSEBAA 118,557,65
ivn-dog LD50:6 mg/kg PSEBAA 118,557,65
ivn-rbt LDLo:22 mg/kg JOPHAN 37,597,39
scu-gpg LD50:105 mg/kg AIPTAK 137,375,62

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: altered sleep time, anorexia, and change in heart rate. A central nervous system stimulant. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic NO_x and SO_x. See other amphetamine entries.

AOB300 **CAS: 17590-01-1** **HR: 3**

AMPHETAMINIL

mf: C₁₇H₁₈N₂ mw: 250.37

SYNS: ACETONITRILE, ((α-METHYLPHENETHYL)AMINO) PHENYL- □ N-(α-METHYLPHENETHYL)-2-PHENYLGLYCINO NITRILE □ α-PHENYL-α-(1-METHYL-2-PHENYL)ETHYLAMINO ACETONITRILE □ α-PHENYL-α(β-PHENYLISOPROPYLAMINO) ACETONITRILE □ α-PHENYL-α-N-(1-PHENYLISOPROPYL) AMINOACETONITRILE □ dl-AMPHETAMINIL □ AN 1 (PHARMACEUTICAL) □ APONEURON □ BENZENE ACETONITRILE, α-((1-METHYL-2-PHENYLETHYL)AMINO)-(9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:37600 µg/kg TOIZAG 24,823,1977
ipr-rat LD50:58800 µg/kg TOIZAG 24,823,1977
scu-rat LD50:95100 µg/kg TOIZAG 24,823,1977
orl-mus LD50:182 mg/kg TOIZAG 24,823,1977
ipr-mus LD50:491 mg/kg TOIZAG 24,823,1977
scu-mus LD50:58 mg/kg 27ZQAG -,335,1972

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

AOB500 **CAS: 139-10-6** **HR: 3**
AMPHETANE PHOSPHATE

mf: C₉H₁₃N•H₃O₄P mw: 233.23

SYNS: ACETMIN □ ACTEMIN □ AKTEDRON □ AMPHATE □ AMPHETAMINE PHOSPHATE □ dl-AMPHETAMINE PHOSPHATE □ AMPHOS □ BAR-DEX □ DEPUALONE □ DIETAMINE □ DYNAPHENIL □ dl-α-METHYL-PHENETHYL-AMINE PHOSPHATE □ α-METHYLPHENETHYLAMINE PHOSPHATE, dl-MIXTURE □ MONOBASIC racemic AMPHET-AMINE PHOSPHATE □ MONOBASIC dl-α-METHYLPHENE-THYLAMINE PHOSPHATE □ MONOPHOR □ MONOPHOS □ OBESITABS □ 1-PHENYL-2-AMINOPROPANE MONO-PHOSPHATE □ PROFETAMINE □ PROFETAMINE PHOSPHATE □ RACEPHEN □ RAPHETAMINE PHOSPHATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:175 mg/kg TXAPA9 1,42,59
orl-mus LD50:154 mg/kg TXAPA9 1,42,59
ipr-mus LDLo:52 mg/kg JPETAB 127,55,59

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO_x and NO_x. See other amphetamine entries.

AOB875 **CAS: 1402-82-0** **HR: 3**
AMPHOMYCIN

mf: C₅₈H₉₁N₁₃O₂₀ mw: 1290.46

PROP: Crystals. Acidic, surface-active polypeptide. Sol in water and the lower alcs; insol in nonpolar solvents.

SYNS: AMFOMYCIN □ GLUMAMYCIN □ U-6658

TOXICITY DATA with REFERENCE:

orl-mus LD50:500 mg/kg 85GDA2 4(1),317,80
ipr-mus LD50:233 mg/kg CNCRA6 30,9,63
ivn-mus LD50:178 mg/kg 85FZAT -,131,67

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Induces hemolysis. Active against gram-positive bacteria. Suggested as a topical agent for animal and plant infections. When heated to decomposition it emits acrid smoke and irritating fumes.

AOC250 **HR: 1**

AMPHOTERIC-2

SYNS: AMPHOTERGE K-2 □ 1-CARBOXYMETHYL-1-CARBOXYETHOXYETHYL-2-COCO-IMIDAZOLINIUM BETAINE □ MIRANOL C2M-SF CONC

TOXICITY DATA with REFERENCE:

skn-hmn 60 mg/3D-I MLD 85DKA8 -,127,77

skn-rbt 10 mg/24H DCTODJ 1,305,78

eye-rbt 2 mg DCTODJ 1,305,78

SAFETY PROFILE: An eye irritant. A human skin irritant. When heated to decomposition it emits toxic fumes of NO_x.

AOC275 CAS: 71463-34-8 HR: 1 AMPHOTERIC-17

mf: C₁₈H₃₅N₂O₃•HO₄S•Na mw: 447.61

SYNS: 1H-IMIDAZOLIUM, 4,5-DIHYDRO-1-(CARBOXYMETHYL)-1-(2-HYDROXYETHYL)-2-UNDECYL-, HYDROGEN SULFATE (salt), MONOSODIUM SALT □ MIRANOL MHT

TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H DCTODJ 1,305,78

eye-rbt 2 mg DCTODJ 1,305,78

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x, SO_x, and H₂S.

AOC500 CAS: 1397-89-3 HR: 3 AMPHOTERICIN B

mf: C₄₇H₇₃NO₁₇ mw: 924.21

PROP: Deep-yellow prisms from DMF. Insol in H₂O.

SYNS: AMB □ AMPHOMORONAL □ AMPHOTERICIN beta □ AMPHOTERICINE B □ AMPHOZONE □ FUNGILIN □ FUNGISON □ FUNGIZONE □ IAB □ IODOACETAMIDE □ MYSTECLIN-F □ NSC-527017 □ TEGOPEN

TOXICITY DATA with REFERENCE:

spm-rbt-ivn 20 mg/kg/11D JRPFA4 7,13,64

ivn-wmn LDLo:22 mg/kg/4D-I:BLD SMJOAV 76,409,83

ivn-wmn TDLo:20 µg/kg:PUL NEJMAG 315,836,86

ivn-man LDLo:164 µg/kg/5H-I:CVS DICPBB 17,547,83

ivn-rat LD50:11,300 µg/kg DRUGAY 6,36,82

ipr-mus LD50:27,740 µg/kg NCISP* JAN86

ivn-mus LD50:1200 µg/kg PHINDQ 6,164,85

ivn-dog LD50:6 mg/kg BIORAK 43,2043,78

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. Human systemic effects by intravenous route: leukopenia, lung changes, and cardiac changes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x.

AOC750 CAS: 35375-29-2 HR: 3 AMPHOTERICIN B, METHYL ESTER HYDROCHLORIDE

mf: C₄₇H₇₃NO₂₀•ClH mw: 1010.69

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1320 mg/kg SCIEAS 179,584,73

ivn-mus LD50:75 mg/kg 85ERAY 2,1019,78

ivn-dog LD50:48 mg/kg SCIEAS 179,584,73

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

AOC875 CAS: 8067-85-4 HR: 2**AMPICILLIN-OXACILLIN MIXTURE**

mf: C₁₉H₁₉N₃O₅S•C₁₆H₁₉N₃O₄S mw: 750.91

SYNS: (2S-(2-α,5-α,6-β(S*)))-6-((AMINOPHENYLACETYL)-AMINO)-3,3-DIMETHYL-7-OXO-4-THIA-1-AZABICYCLO(3.2.0)-HEPTANE-2-CARBOXYLIC ACID mixt. with (2S-(2-α,5-α,6-β))-3,3-DIMETHYL-6-(((5-METHYL-3-PHENYL-4-ISOXAZOLYL)-CARBONYL)AMINO)-7-OXO-4-THIA-1-AZABICYCLO(3.2.0)-HEPTANE-2-CARBOXYLIC ACID □ OXACILLIN-AMPICILLIN MIXTURE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:3710 mg/kg NIIRDN 6,58,82

ipr-mus LD50:4700 mg/kg NIIRDN 6,58,82

scu-mus LD50:4940 mg/kg NIIRDN 6,58,82

ivn-mus LD50:3250 mg/kg NIIRDN 6,58,82

SAFETY PROFILE: Moderately toxic. When heated to decomposition it emits toxic fumes of Cl⁻, SO_x, and NO_x.

AOD000 CAS: 26309-95-5 HR: 2 AMPICILLIN PIVALOYLOXYMETHYL ESTER HYDROCHLORIDE

mf: C₂₂H₂₉N₃O₆S•ClH mw: 500.06

SYNS: ALPHACILINA □ ALPHACILLIN □ 6-(d-α-AMINO PHENYL ACETAMIDO) PENICILLANIC ACID PIVALOYL OXY METHYL ESTER HYDROCHLORIDE □ BEROCILLIN □ CENTURINA □ DEVONIUM □ DIANCINA □ INACILIN □ MAXIFEN □ PIVALOYLOXYMETHYL d-α-AMINOBENZYL PENICILLINATE HYDROCHLORIDE □ PIVAMPICILLIN HYDROCHLORIDE □ PIVATIL □ PONDOCIL □ PONDOCILLIN □ SANGUICILLIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg AACHAX -,341,70

scu-rat LD50:4500 mg/kg AACHAX -,341,70

orl-mus LD50:3340 mg/kg AACHAX -,341,70

scu-mus LD50:3600 mg/kg AACHAX -,341,70

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

AOD125 CAS: 7177-48-2 HR: 1 AMPICILLIN TRIHYDRATE

mf: C₁₆H₁₉N₃O₄S•3H₂O mw: 403.50

SYNS: AMCAP □ AMCILL □ AMINOBENZYL PENICILLIN TRIHYDRATE □ α-AMINOBENZYL PENICILLIN TRIHYDRATE □ AMPERIL □ AMPICHEL □ AMPIKEL □ AMPINOVA □ AMPLIN □ ANCILLIN □ CYMBI □ DIVERCILLIN □ LIFEAMPIL □ MOREPEN □ NCI-C56086 □ PEN A □ PENSYN □ POLYCILLIN □ PRINCILLIN □ RO-AMPEN □ TRAFARBIOT □ UKOPEN □ VIDOPEN

TOXICITY DATA with REFERENCE:

orl-rat LD50:10 g/kg ANTBAL 20,653,75

orl-mus LD50:15,200 mg/kg ANTBAL 20,653,75

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

AOD175 CAS: 121-25-5 HR: D AMPROLIUM

mf: C₁₄H₁₉CIN₄ mw: 278.78

PROP: Crystals from methanol + ethanol. Decomp 248–249°. Sol in water, methanol, 95% ether; insol in

isopropanol, butanol, dioxane, acetone, ethyl acetate, acetonitrile, isooctane.

SYNS: 1-[(4-AMINO-2-PROPYL-5-PYRIMIDINYL)METHYL]-2-METHYLPYRIDINIUM CHLORIDE □ 1-(4-AMINO-2-n-PROPYL-5-PYRIMIDINYL METHYL)-2-PICOLINIUM CHLORIDE □ CORID

SAFETY PROFILE: When heated to decomposition emits toxic fumes of Cl^- .

AOD250 CAS: 134-53-2 HR: 3
AMPROTROPINE PHOSPHATE

mf: $\text{C}_{18}\text{H}_{29}\text{NO}_3 \cdot \text{H}_3\text{O}_4\text{P}$ mw: 405.48

PROP: Bitter crystals. Mp: 142–145°.

SYNS: AP 407 □ 3-DIETHYLAMINO-2,2-DIMETHYLPROPYL TROPATE PHOSPHATE □ 1-PROPANOL, 3-(DIETHYLAMINO)-2,2-DIMETHYL-, TROPATE, PHOSPHATE □ SYNTROPAN □ dl-TROPASAEUREESTER DES 3-DIAETHYLAMINO-2,2-DIMETHYL-1-PROPANOL PHOSPHAT (GERMAN)

TOXICITY DATA with REFERENCE:

ivn-rat LD50:43 mg/kg JLCMAK 30,700,45
orl-mus LDLo:570 mg/kg JPETAB 60,1,37
scu-mus LDLo:1250 mg/kg JPETAB 60,1,37
ivn-mus LD50:51 mg/kg JLCMAK 30,700,45
scu-cat LDLo:200 mg/kg JPETAB 60,1,37
scu-rbt LDLo:500 mg/kg JPETAB 60,1,37
ivn-rbt LD50:25 mg/kg SMWOAS 76,1282,46
scu-frg LDLo:1500 mg/kg JPETAB 60,1,37
par-frg LDLo:1000 mg/kg AEPPAE 173,86,33

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Moderately toxic by parenteral route. When heated to decomposition it emits very toxic fumes of PO_x and NO_x . An anticholinergic agent.

AOD375 CAS: 60719-84-8 HR: 3
AMRINONE

mf: $\text{C}_{10}\text{H}_9\text{N}_3\text{O}$ mw: 187.22

PROP: Crystals from DMF. Mp: 294–297° (decomp).

SYNS: 5-AMINO(3,4'-BIPYRIDIN)-6-(1H)-ONE □ 5-AMINO-5-(4-PYRIDINYL)-2(1H)-PYRIDINONE □ INOCOR □ WIN 40680 □ WINCORAM

TOXICITY DATA with REFERENCE:

orl-man LDLo:1429 $\mu\text{g}/\text{kg}$:CVS,SYS,BLD AIMDAP 145,825,85
orl-rat LD50:102 mg/kg NDADD8 1,259,83
ivn-rat LD50:75 mg/kg PHARAT 41,209,86
orl-mus LD50:288 mg/kg TPHSDY 1,143,80
ivn-mus LD50:150 mg/kg TPHSDY 1,143,80

SAFETY PROFILE: Poison by ingestion and intravenous routes. Human systemic effects by ingestion: cardiac arrhythmias, liver function, thrombocytopenia. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x . A cardiotonic agent.

AOD425 CAS: 80277-11-8 HR: D
AMSACRINE LACTATE

mf: $\text{C}_{21}\text{H}_{19}\text{N}_3\text{O}_3\text{S} \cdot \text{C}_3\text{H}_6\text{O}_3$ mw: 483.58

SYNS: N-(4-(9-ACRIDINYLAMINO)-3-METHOXYPHENYL)METHANESULFONAMIDE compounded with LACTIC ACID □ m-AMSA LACTATE □ METHANESULFON-AMIDE, N-(4-(9-ACRIDINYLAMINO)-3-METHOXYPHENYL)-, MONO(2-HYDROXYPROPANOATE) □ METHANESULFON-m-

ANISIDIDE, 4'-(9-ACRIDINYLAMINO)-, compounded with LACTIC ACID

SAFETY PROFILE: An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and SO_x .

AOD500 CAS: 29883-15-6 HR: 3
AMYGDALIN

mf: $\text{C}_{20}\text{H}_{27}\text{NO}_{11}$ mw: 457.48

PROP: Trihydrate. Mp: 214°.

SYNS: d(-)-MANDELONITRILE- β -d-GENTIOBIOSIDE □ d-MANDELONITRILE- β -d-GLUCOSIDO-6- β -d-GLUCOSIDE □ NSC-15780

TOXICITY DATA with REFERENCE:

hma-mus/sat 250 mg/kg SCIEAS 198,625,77
orl-inf LDLo:50 mg/kg JAMAAP 238,482,77
orl-rat LD50:522 mg/kg WJMDA2 134,97,81
orl-mus LD50:443 mg/kg CTOXAO 17,85,80

SAFETY PROFILE: Human poison by ingestion (infant data). Poison experimentally by ingestion. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

AOD725 CAS: 628-63-7 HR: 3
n-AMYL ACETATE

DOT: UN 1104

mf: $\text{C}_7\text{H}_{14}\text{O}_2$ mw: 130.21

PROP: Colorless liquid; pear- or banana-like odor. Mp: -78.5°, bp: 148° @ 737 mm, ULC: 55–60, lel: 1.1%, uel: 7.5%, flash p: 77°F (CC), d: 0.879 @ 20°/20°, autoign temp: 714°F, vap d: 4.5. Very sltly sol in water; misc in alc and ether. IDLH 1000 ppm.

SYNS: ACETATE d'AMYLE (FRENCH) □ ACETIC ACID, AMYL ESTER □ AMYL ACETATE (DOT) □ AMYL ACETIC ESTER □ AMYLAZETAT (GERMAN) □ AMYLESTER KYSELINY OCTOVE □ BIRNENOEL □ OCTAN AMYLU (POLISH) □ PEAR OIL □ PENT-ACETATE □ 1-PENTANOL ACETATE □ PENTYL ACETATE □ n-PENTYL ACETATE □ 1-PENTYL ACETATE □ PRIMARY AMYL ACETATE

TOXICITY DATA with REFERENCE:

eye-hmn 300 ppm JIHTAB 25,282,43
ihl-hmn TCLo:5000 mg/ m^3 /30M:CNS,EYE,PUL AHYGAI 78,260,13
ihl-hmn TCLo:200 ppm:CNS NPIRI* 1,3,74
orl-rat LD50:6500 mg/kg NPIRI* 1,3,74
orl-rbt LD50:7400 mg/kg 85JCAE -,357,86
ihl-rat LCLo:5200 ppm/8H DTLVS* 3,12,71
ipr-gpg LDLo:1500 mg/kg AIHAAP 35,21,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 100 ppm

ACGIH TLV: TWA 50 ppm; STEL 100 ppm

DFG MAK: 50 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Human systemic effects by inhalation: conjunctiva irritation, headache, and somnolence. A human eye irritant. Apparently more toxic than butyl acetate. Chronic toxicity is of a low order. Dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Moderately explosive in the form of vapor when exposed to flame. To fight fire, use

alcohol foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS, AMYL ALCOHOL, and ACETIC ACID.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Esters I, 1450.

AOD735 **CAS: 626-38-0** **HR: 3**

sec-AMYL ACETATE

DOT: UN 1104

mf: $C_7H_{14}O_2$ mw: 130.21

PROP: Colorless liquid. Bp: 120°, flash p: 73.4°F (CC), d: 0.862–0.866 @ 20°/20°, vap d: 4.48, lel: 1.1%, uel: 7.5%. Sltly sol in water; misc in alc and ether. IDLH 1000 ppm.

SYNS: 2-ACETOXYPENTANE □ sek.AMYLESTER KYSELINY OCTOVE □ 2-AMYLESTER KYSELINY OCTOVE □ 1-METHYLBUTYL ACETATE □ 2-PENTANOL, ACETATE □ 2-PENTYL ACETATE

TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:200 ppm:EYE JIHTAB 25,282,43

ihl-gpg LCLo:10,000 ppm/5H PHRPA6 51,811,36

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 125 ppm

ACGIH TLV: TWA 50 ppm; STEL 100 ppm

DFG MAK: 50 ppm

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Mildly toxic by inhalation. Human systemic effects by inhalation: conjunctiva irritation.

Dangerous fire hazard when exposed to heat or flame; can react with oxidizing materials. Moderately explosive in the form of vapor when exposed to heat or flame. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Esters I, 1450.

AOD750 **HR: 2**

AMYL ACETATE (mixed isomers)

mf: $C_7H_{14}O_2$ mw: 130.21

PROP: Colorless liquid; pear-like odor. Mp: –78.5°, bp: 148° @ 737 mm, ULC: 55–60, lel: 1.1%, uel: 7.5%, flash p: 77°F (CC), d: 0.879 @ 20°/20°, autoign temp: 714°F, vap d: 4.5.

SYN: ACETIC ACID, AMYL ESTER

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:4950 mg/kg AIHAAP 23,95,62

ACGIH TLV: TWA 50 ppm; STEL 100 ppm

DFG MAK: 100 ppm (525 mg/m³)

SAFETY PROFILE: A skin irritant. Mildly toxic by ingestion. Dangerous fire hazard; can react with oxidizing materials. Moderately explosive in the form of vapor when exposed to flame. To fight fire, use alcohol foam, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

AOE000 **CAS: 71-41-0** **HR: 3**

AMYL ALCOHOL

mf: $C_5H_{12}O$ mw: 88.17

PROP: Clear liquid. Mp: –79°, bp: 137.8°, flash p: 91°F (CC), d: 0.8168 @ 20°/20°, ULC: 40, lel: 1.2%, uel: 10% @ 212°F, vap press: 1 mm @ 13.6°, 10 mm @ 44.9°, vap d: 3.04. Sol in water; misc in alc and ether.

SYNS: ALCOOL AMYLIQUE (FRENCH) □ N-AMYL ALCOHOL □ AMYL ALCOHOL, NORMAL □ N-AMYLALKOHOL (CZECH) □ N-BUTYLCARBINOL □ N-PENTANOL □ PENTANOL-1 □ PENTAN-1-OL □ PENTASOL □ PENTYL ALCOHOL □ PRIMARY AMYL ALCOHOL

TOXICITY DATA with REFERENCE:

skn-rbt 3200 mg/kg/24H SEV AIHAAP 34,493,73

skn-rbt 20 mg/24H MOD 85JCAE -,196,86

eye-rbt 81 mg SEV AIHAAP 34,493,73

eye-rbt 20 mg/24H SEV 28ZPAK -,35,72

mno-esc 7000 ppm ABMGAJ 23,843,69

sln-ham:lng 25 mmol/L MUREAV 182,135,87

orl-rat LD50:2200 mg/kg SMEZA5 19(2),33,76

ihl-rat LCLo:14,000 mg/m³/6H AIHAAP 34,493,73

ipr-rat LDLo:490 mg/kg AEPPAE 132,214,28

orl-mus LD50:200 mg/kg GISAAA 35(9),88,70

ihl-mus LCLo:14,000 mg/m³/6H AIHAAP 34,493,73

ivn-cat LDLo:15 mg/kg JPETAB 16,1,20

skn-rbt LD50:4490 mg/kg 31ZTAS -,76,68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. An eye and upper respiratory irritant by inhalation. A severe skin and eye irritant. Ingestion can cause headache, nausea, vomiting, delirium, and methemoglobin formation. Mutation data reported. Extremely flammable if exposed to heat, flame, or powerful oxidizers. Moderately explosive when exposed to flame. Incompatible with oxidizing materials, hydrogen trisulfide. To fight fire, use alcohol foam, dry chemical.

AOE200 **CAS: 598-74-3** **HR: 3**

iso-AMYLAMINE

DOT: UN 2733/UN 2734

mf: $C_5H_{13}N$ mw: 87.19

SYNS: 2-BUTANAMINE, 3-METHYL-(9CI) □ 1,2-DIMETHYLPROPANAMINE

□ 1,2-DIMETHYLPROPANAMINE □ 3-METHYL-2-BUTANAMINE □ PROPYLAMINE, 1,2-DIMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:279 mg/kg JJPAAZ 17,475,67

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 8; Label: Corrosive, Flammable Liquid (UN 2734); DOT Class: 3; Label: Flammable Liquid, Corrosive (UN 2733)

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

AOE500 **HR: 2**

AMYL AZIDE

mf: $C_5H_{11}N_3$ mw: 113

SAFETY PROFILE: Moderately toxic irritant and toxic by ingestion and inhalation. Narcotic in high concentration. Can cause a fall in blood pressure. See also AZIDES. An unstable material.

AOE750 CAS: 63018-99-5 HR: 2
5-n-AMYL-1:2-BENZANTHRACENEmf: C₂₃H₂₂ mw: 298.45

SYN: 8-PENTYLBENZ(a)ANTHRACENE

TOXICITY DATA with REFERENCE:skn-mus TDLo:790 mg/kg/33W-I:ETA PRLBA4
129,439,40**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**AOF000 CAS: 2049-95-8 HR: 1**
tert-AMYL BENZENEmf: C₁₁H₁₆ mw: 148.27**PROP:** Liquid. D: 0.874, bp: 189–191°. Insol in water, misc in alc and ether.

SYN: tert-PENTYLBENZENE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:10 mL/kg AMIHAB 19,403,59

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it yields irritating fumes and smoke.**AOF250 CAS: 63905-98-6 HR: 3**
4-AMYL-N-BENZOHYDRILPYRIDINIUM BROMIDEmf: C₂₂H₂₆N•Br mw: 384.40

SYN: B-45

TOXICITY DATA with REFERENCE:

ipr-rat LD50:8 mg/kg FEPA7 9,280,50

scu-rat LD50:4 mg/kg FEPA7 9,280,50

orl-mus LD50:35 mg/kg FEPA7 9,280,50

ipr-mus LD50:4500 µg/kg FEPA7 9,280,50

scu-mus LD50:1600 µg/kg FEPA7 9,280,50

ivn-mus LD50:1300 µg/kg FEPA7 9,280,50

ivn-dog LD50:30 mg/kg FEPA7 9,280,50

scu-rbt LD50:35 mg/kg FEPA7 9,280,50

ivn-rbt LD50:10 mg/kg FEPA7 9,280,50

scu-gpg LD50:15 mg/kg FEPA7 9,280,50

SAFETY PROFILE: Poison by ingestion, intraperitoneal, subcutaneous, and intravenous routes. See also BROMIDES. When heated to decomposition it emits very toxic fumes of NO_x and Br⁻.**AOF500 CAS: 63990-96-5 HR: 1**
AMYL BIPHENYLmf: C₁₇H₂₀ mw: 224.37**PROP:** Liquid. Mp: -60°, bp: 305–337°, flash p: 300°F, d: 0.958 @ 20°/20°, vap d: 7.73.

SYN: PENTYLBIPHENYL

TOXICITY DATA with REFERENCE:

orl-rat LDLo:5000 mg/kg AMIHAB 19,403,59

SAFETY PROFILE: Mildly toxic by ingestion and inhalation routes. Combustible when exposed to heat or flame. Moderately dangerous; when heated to decomposition it emits irritating fumes and smoke. Incompatible with oxidizing materials. To fight fire, use foam, CO₂, dry chemical.**AOF750 HR: 3**
d-AMYL BROMIDEmf: CH₃(CH₂)₄Br mw: 151.1**PROP:** Colorless liquid. Bp: 120°, flash p: 90°F, fp: <-30°, d: 1.211 @ 25°/25°.**SAFETY PROFILE:** Poison by intraperitoneal route. It can cause liver damage, is narcotic in high concentrations, and is a local irritant. See also BROMIDES. Extremely flammable. To fight fire, use alcohol foam, water mist or spray, dry chemical. When heated to decomposition it emits very toxic bromides. Incompatible with oxidizing materials.**AOF800 CAS: 110-53-2 HR: 2**
n-AMYL BROMIDEmf: C₅H₁₁Br mw: 151.07

SYNS: AMYL BROMIDE □ 1-BROMOPENTANE □ PENTANE, 1-BROMO- □ PENTYL BROMIDE □ n-PENTYL BROMIDE □ 1-PENTYL BROMIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1250 mg/kg GTPZAB 20(12),52,76

ihl-uns LC50:26,800 mg/m³ GTPZAB 18(4),55,74**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Slightly toxic by inhalation. When heated to decomposition it emits toxic vapors of Br⁻.**AOG000 CAS: 540-18-1 HR: 2**
n-AMYL BUTYRATEmf: C₉H₁₈O₂ mw: 158.27**PROP:** Colorless liquid. D: 0.871, mp: -73.2°, bp: 186.4°. Sol in water, misc with alc and ether.

SYNS: AMYL BUTYRATE □ BUTANOIC ACID PENTYL ESTER □ PENTYL BUTYRATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:12,210 mg/kg FCTXAV 2,327,64

orl-gpg LD50:11,950 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes.**AOG500 CAS: 122-40-7 HR: 2**
α-AMYL CINNAMALDEHYDEmf: C₁₄H₁₈O mw: 202.32**PROP:** Pale-yellow oil or liquid; floral jasmine odor. D: 0.963, refr index: 1.554, bp: 174–175° @ 20 mm. Sol in fixed oils; insol in glycerin and propylene glycol.

SYNS: α-AMYL CINNAMIC ALDEHYDE □ α-AMYL-β-PHENYLACROLEIN □ FEMA No. 2061 □ JASMINALDEHYDE □ α-PENTYLCINNAMALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 100 mg/24H SEV CTOIDG 94(8),41,79

skn-gpg 5%/2W MLD ADVEA4 58,121,78

skn-gpg 100 mg/24H MOD CTOIDG 94(8),41,79

orl-rat LD50:3730 mg/kg FCTXAV 2,327,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOG600 HR: 1
AMYL CINNAMATE

mf: C₁₄H₁₈O₂ mw: 218.28

PROP: Colorless to pale-yellow liquid; slt cocoa odor. D: 0.992–0.997, refr index: 1.535, flash p: 212°F. Sol in fixed oils; sltly sol in propylene glycol; insol in glycerin @ 310°.

SYNS: FEMA No. 2063 □ ISOAMYL CINNAMATE □ ISOAMYL 3-PENTYL PROPENATE

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

AOG750 CAS: 7493-78-9 HR: 2
AMYL CINNAMIC ACETATE

mf: C₁₆H₂₂O₂ mw: 246.38

SYNS: α-N-AMYL-β-PHENYLACRYL ACETATE □ α-PENTYL CINNAMYL ACETATE

TOXICITY DATA with REFERENCE:

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

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

AOH000 CAS: 101-85-9 HR: 2
α-AMYL CINNAMIC ALCOHOL

mf: C₁₄H₂₀O mw: 204.34

SYNS: α-AMYL CINNAMYL ALCOHOL □ 2-AMYL-3-PHENYL-2-PROPEN-1-OL □ 2-BENZYLIDENE-1-HEPTANOL

TOXICITY DATA with REFERENCE:

orl-rat LD50:4000 mg/kg FCTXAV 12,807,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOH100 CAS: 68527-78-6 HR: 1
AMYL CINNAMYLIDENE METHYL ANTHRANILATE

mf: C₂₂H₂₅NO₂ mw: 335.48

SYNS: ANTHRANILIC ACID, N-(2-BENZYLIDENEHEPTYLIDENE)-, METHYL ESTER □ METHYL N-(β-PENTYL CINNAMYLIDENE) ANTHRANILATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 16,645,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOH250 CAS: 53043-14-4 HR: 2
6-n-AMYL-m-CRESOL

mf: C₅H₁₁C₆H₃OHCH₃ mw: 178.3

PROP: Bp: 258°, flash p: 240°F, d: 0.97.

TOXICITY DATA with REFERENCE:

orl-rat LD50:1500 mg/kg PSEBAA 32,592,35

SAFETY PROFILE: Moderately toxic by ingestion. Combustible liquid when exposed to heat or flame. Dangerous; when heated to decomposition it emits irritating fumes. Incompatible with oxidizing materials.

AOH750 CAS: 16587-71-6 HR: 1
4-tert-AMYL CYCLOHEXANONE

mf: C₁₁H₂₀O mw: 168.31

PROP: Solid. Mp: 96°, bp: 110–113° @ 12 mm.

SYNS: 4-(1,1-DIMETHYLPROPYL)CYCLOHEXANONE □ 4-tert-PENTYL CYCLOHEXANONE

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:4700 mg/kg FCTXAV 12,807,74

skn-rbt LD50:4700 mg/kg FCTXAV 12,819,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOI000 HR: 2
AMYL CYCLOHEXYL ACETATE (mixed isomers)

mf: C₁₃H₂₃O₂ mw: 211.2

SYN: PENTYL CYCLOHEXANOL ACETATE

TOXICITY DATA with REFERENCE:

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

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

AOI200 CAS: 692-95-5 HR: 3
AMYL DICHLORARSINE

mf: C₅H₁₁AsCl₂ mw: 216.98

SYNS: N-AMYL DICHLORARSINE □ ARSINE, AMYL-DICHLORO- □ ARSINE, DICHLOROPENTYL- □ DICHLORO-PENTYLARSINE □ PENTYL DICHLOROARSINE

TOXICITY DATA with REFERENCE:

ihl-mus LC50:1400 mg/m³/10M NTIS** PB158-508

skn-mus LDLo:4 mg/kg NTIS** PB158-508

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by skin contact. Moderately toxic by inhalation. When heated to decomposition it emits toxic fumes of As and Cl⁻.

AOI250 CAS: 14779-78-3 HR: 1
AMYL-*p*-DIMETHYLAMINO BENZOATE

mf: C₁₄H₂₁NO₂ mw: 235.36

SYN: AMYL DIMETHYL PABA

TOXICITY DATA with REFERENCE:

skn-hmn 15 mg/3D-I MLD 85DKA8 -,127,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A mild human skin irritant. When heated to decomposition it emits toxic fumes of NO_x.

AOI500 CAS: 58817-05-3 HR: 1
AMYL DIMETHYL-*p*-AMINO BENZOIC ACID

mf: C₁₇H₂₇NO₂ mw: 277.45

SYNS: p-DIMETHYLAMINOBENZOIC ACID, PENTYL ESTER
 □ p-DIMETHYLAMINOBENZOIC ACID, OCTYL ESTER □
 OCTYL-DIMETHYL-p-AMINOBENZOIC ACID

TOXICITY DATA with REFERENCE:

skn-hmn 15 mg/3D-I MLD 85DKA8 -,127,77

SAFETY PROFILE: A mild human skin irritant. See also ESTERS. When heated to decomposition it emits toxic fumes of NO_x.

AOI800 CAS: 25377-72-4 HR: 3
n-AMYLENE PENTENE

DOT: UN 1108

mf: C₅H₁₀ mw: 70.15

SYNS: AMYLENE □ PENTYLENE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic. Very flammable; reacts with heat, flame, and oxidizing materials. To fight fire, use foam, CO₂, dry chemical.

AOJ000 HR: 3
AMYLENES, MIXED

DOT: UN 1106

mf: C₅H₁₀ mw: 70.58

PROP: Water-white liquid. Bp: 32.2°, flash p: 0°F, d: 0.66 @ 20°.

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic. Very flammable; reacts with heat, flame, and oxidizing materials. To fight fire, use foam, CO₂, dry chemical.

AOJ500 CAS: 638-49-3 HR: 3
n-AMYL FORMATE

mf: C₆H₁₂O₂ mw: 116.18

PROP: Clear liquid. D: 0.902, 0.893 @ 15°/4°, mp: -73.5°, bp: 130.4°, flash p: 80°F. Very sltly sol in water; misc in alc and ether.

SYNS: AMYL FORMATE □ PENTYL FORMATE □ n-PENTYL FORMATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MLD FCTXAV 18,649,80

orl-rat LD50:>5 g/kg FCTXAV 18,649,80

skn-rbt LD50:>5 g/kg FCTXAV 18,649,80

orl-uns LD50:6300 mg/kg GTPZAB 32(10),25,88

ihl-uns LC50:14 g/m³ GISAAA 51(5),61,86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Very low toxicity by several routes. A skin irritant. See also ESTERS. Dangerously flammable; reacts vigorously with heat, flame, oxidizing materials. To fight fire, use foam, CO₂, dry chemical.

AOJ600 CAS: 3777-69-3 HR: 2
2-AMYL FURAN

mf: C₉H₁₄O mw: 138.23

SYNS: FURAN, 2-PENTYL- □ 2-PENTYLFURAN □ 2-n-PENTYLFURAN

TOXICITY DATA with REFERENCE:

orl-mus LD50:1200 mg/kg DCTODJ 3,249,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOJ750 CAS: 63885-68-7 HR: 3
o-n-AMYL HARMOL HYDROCHLORIDE

mf: C₁₇H₂₀N₂O•ClH mw: 304.85

SYN: AMYL HARMOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:200 mg/kg QJPPAL 5,56,32

scu-gpg LDLo:400 mg/kg QJPPAL 5,56,32

scu-frg LDLo:200 mg/kg QJPPAL 5,37,32

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

AOJ900 HR: D
AMYL HEPTANOATE

mf: C₁₂H₂₄O₂ mw: 200.32

PROP: Colorless to pale yellow liquid; fruity taste. D: 0.859, refr index: 1.422.

SYN: FEMA No. 2073

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

AOJ950 CAS: 60075-67-4 HR: 3
N-AMYL-p-IODOBENZYL CARBONATE

mf: C₁₃H₁₇IO₃ mw: 348.20

SYNS: CARBONIC ACID, (4-IOBENZYL)METHYL PENTYL ESTER □ CARBONIC ACID, p-IODOBENZYL PENTYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:3 mL/kg JMCMA 19,1362,76

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

AOK000 CAS: 10484-36-3 HR: 1
AMYLISOEUGENOL

mf: C₁₅H₂₂O₂ mw: 234.37

SYNS: AMYLOXYISOEUGENOL □ ISOEUGENOL AMYL ETHER □ 2-METHOXY-1-(PENTYLOXY)-4-(1-PROPENYL)-BENZENE □ 1-PENTOXY-2-METHOXY-4-PROPENYLBENZENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTXAV 17,509,79

orl-rat LD50:>5 g/kg FCTXAV 17,513,79

skn-rbt LD50:>5 g/kg FCTXAV 17,513,79

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Very low toxicity by ingestion and skin contact. A skin irritant. See also ETHERS. When heated to decomposition it emits acrid smoke and irritating fumes.

AOK250 HR: 1
AMYL LACTATE

mf: C₈H₁₆O₃ mw: 160.2

PROP: Colorless liquid. Bp: 210°; flash p: 175°F; d: 0.960 @ 20°.

SAFETY PROFILE: An irritant by inhalation and ingestion. See also ESTERS. Moderately flammable. Incompatible with heat, flame, oxidizing materials. To fight fire, use foam, CO₂, dry chemical.

AOK500 **CAS: 105-30-6** **HR: 2**
AMYL LAURATE

mf: C₅H₁₁O₂C(CH₂)₁₀CH₃ mw: 270.44

PROP: Bp: 290°, flash p: 300°F, d: 0.86.

SAFETY PROFILE: It may defat skin and cause contact dermatitis. Combustible. Incompatible with oxidizing materials. To fight fire, use CO₂, dry chemical.

AOK750 **CAS: 105-30-6** **HR: 2**
AMYL METHYL ALCOHOL

mf: C₆H₁₄O mw: 102.20

PROP: Liquid. Bp: 130°, flash p: 114°F (CC), d: 0.804, vap d: 3.52.

SYNS: 1,3-DIMETHYL BUTANOL □ ISOHEXYL ALCOHOL □ ISOPROPYL DIMETHYL CARBINOL □ METHYLAMYL ALCOHOL □ METHYL ISOBUTYL CARBINOL □ 2-METHYLPENTANOL-1 □ 2-METHYL-2-PROPYLETHANOL

TOXICITY DATA with REFERENCE:

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

skn-rbt 500 mg/24H MLD 85JCAE -,198,86

eye-rbt 750 µg/24H SEV 85JCAE -,198,86

ihl-hmn TCLo:50 ppm:IRR JIHTAB 28,262,46

orl-rat LD50:1410 mg/kg AMIHBC 10,61,54

skn-rbt LD50:3560 mg/kg AMIHBC 10,61,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Human systemic irritant by inhalation. A flammable liquid; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits smoke and acrid fumes.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Alcohols III, 1402.

AOL000 **CAS: 13256-07-0** **HR: 3**
n-AMYL-N-METHYLNITROSAMINE

mf: C₆H₁₄N₂O mw: 130.22

SYNS: AMN □ METHYLAMYLNITROSAMIN (GERMAN) □ METHYLAMYLNITROSAMINE □ METHYL-N-AMYLNITROSAMINE □ N-METHYL-N-NITROSOPENTYLAMINE □ METHYL-N-PENTYLNITROSAMINE □ N-NITROSO-N-METHYL-N-AMYLAMINE □ NITROSOMETHYL-N-PENTYLAMINE

TOXICITY DATA with REFERENCE:

mma-sat 10 µg/plate TCMUE9 1,13,84

mma-esc 1 µmol/plate GANNA2 75,8,84

dnr-esc 25 µL/well CBINA8 15,219,76

orl-rat TDLo:168 mg/kg/8W-C:CAR NIPAA4 78,1889,81

ipr-rat TDLo:50 mg/kg:NEO CNREA8 39,3644,79

scu-rat TDLo:240 mg/kg/40W-I:CAR CCLCDY 2,263,80

orl-rat LD50:120 mg/kg ZEKBAI 69,103,67

ipr-rat LD50:85 mg/kg CNREA8 39,3644,79

scu-rat LD50:120 mg/kg ZEKBAI 69,103,67

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intraperitoneal routes. Suspected carcinogen with experimental carcinogenic, neoplastic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic NO_x. See also NITROSAMINES and N-NITROSO COMPOUNDS.

AOL250 **CAS: 1002-16-0** **HR: 3**
AMYL NITRATE

DOT: UN 1112

mf: C₅H₁₁NO₃ mw: 133.17

PROP: Liquid. Bp: 145°, flash p: 125°F (OC), d: 0.99.

SYNS: AMYLESTER KYSELINY DUSICNE □ NITRATE d'AMYLE (FRENCH)

TOXICITY DATA with REFERENCE:

ihl-rat LCLo:3593 ppm AMIHAB 11,290,55

ihl-mus LCLo:1374 ppm AMIHAB 11,290,55

ihl-rbt LCLo:1703 ppm AMIHAB 11,290,55

ihl-gpg LCLo:1703 ppm AMIHAB 11,290,55

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by inhalation. A flammable liquid. An oxidizing agent. When heated to decomposition it emits toxic fumes of NO_x.

AOL500 **CAS: 463-04-7** **HR: 3**
n-AMYL NITRITE

mf: C₅H₁₁NO₂ mw: 117.17

PROP: Clear, yellowish liquid; peculiar, ethereal, fruity odor and pungent, aromatic taste. Bp: 104°, d: 0.853 @ 20°/4°, autoign temp: 408°F, vap d: 4.0.

SYNS: AMYL NITRITE (DOT) □ 1-NITROPENTANE □ NITROUS ACID, PENTYL ESTER □ PENTYL NITRITE

TOXICITY DATA with REFERENCE:

mmo-sat 1 mg/plate BSIBAC 56,816,80

scu-mus LDLo:30 g/kg HDTU** -,33 AIPTAK 49,272,35

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by inhalation and ingestion. Causes flushing of skin, rapid pulse, headache, and fall in blood pressure. Mutation data reported. See also NITRITES and ESTERS. Flammable when exposed to heat or flame or by spontaneous chemical reaction. To fight fire, use alcohol foam. An oxidizing material. Vapors explode when heated. It will react with oxidizing or reducing materials. When heated to decomposition it emits toxic fumes of NO_x.

AOL750 **CAS: 64005-62-5** **HR: 2**
n-AMYL-N-NITROSOURETHANE

mf: C₈H₁₆N₂O₃ mw: 188.26

SYN: N-NITROSO-N-PENTYLCARBAMIC ACID-ETHYL ESTER

TOXICITY DATA with REFERENCE:

cyt-ham:fbr 63 mg/L/48H MUREAV 48,337,77

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

AOM000 **CAS: 644-26-8** **HR: 3**

AMYLOCAINEmf: C₁₄H₂₁NO₂ mw: 235.36**SYNS:** AMYLEINE □ 1-(DIMETHYLAMINO)-2-METHYL-2-BUTANOL BENZOATE (ESTER) □ STOVAINE**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:25 mg/kg PHREA7 12,262,32

ipr-mus LDLo:170 mg/kg HBAMAK 4,1289,35

scu-mus LDLo:170 mg/kg HBAMAK 4,1289,35

ipr-dog LDLo:100 mg/kg HBAMAK 4,1289,35

scu-dog LDLo:100 mg/kg HBAMAK 4,1289,35

SAFETY PROFILE: Poison by intravenous, subcutaneous, and intraperitoneal routes. See also ESTERS. When heated to decomposition it emits toxic fumes of NO_x.**AOM125 CAS: 9032-08-0 HR: D
AMYLOGLUCOSIDASE****PROP:** A powder derived from *Rhizopus niveus* with diatomaceous earth as a carrier.**SYNS:** CARBOHYDRASE □ GLUCOMYLASE**SAFETY PROFILE:** When heated to decomposition it emits acrid smoke and irritating fumes.**AOM150 CAS: 9047-13-6 HR: 2
AMYLOPECTINE SULFATE****SYNS:** AMYLOPECTIN, HYDROGEN SULFATE □ AMYLOPECTIN SULFATE □ AMYLOPECTIN SULFATE (SN-263) □ SULFATED AMYLOPECTIN**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:30 mg/kg TOIZAG 17,111,70

scu-rat LD50:1051 mg/kg TOIZAG 17,111,70

ipr-mus LD50:133 mg/kg TOIZAG 17,111,70

scu-mus LD50:935 mg/kg TOIZAG 17,111,70

SAFETY PROFILE: Poison by subcutaneous and intraperitoneal route. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO_x and SO_x.**AOM250 CAS: 14938-35-3 HR: 2
4-n-AMYLPHENOL**mf: C₁₁H₁₆O mw: 164.27**PROP:** A liquid. Bp: 342°, vap d: 5.66, flash p: 219°F (OC), d: 0.966.**SYN:** p-PENTYLPHENOL**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Moderately flammable. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**AOM325 CAS: 136-81-2 HR: 2
o-AMYLPHENOL**mf: C₁₁H₁₆O mw: 164.27**SYNS:** o-PENTYLPHENOL □ 2-PENTYLPHENOL □ PHENOL, o-PENTYL- □ PHENOL, 2-PENTYL-(9CI)**TOXICITY DATA with REFERENCE:**

orl-rat LD50:700 mg/kg JPETAB 53,218,35

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 acrid smoke and irritating vapors.**AOM500 CAS: 26401-74-1 HR: 3
2-sec-AMYLPHENOL**mf: C₁₁H₁₆O mw: 164.27**PROP:** Clear, straw-colored liquid. D: 0.955–0.971 @ 30°/30°, bp: 235–250°, flash p: 200°F. Very sltly sol in water; sol in oils and org solvs.**SYN:** o-(sec-PENTYL) PHENOL**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:100 mg/kg JMCAR 23,1350,80

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Questionable carcinogen with experimental neoplastigenic data by skin contact. Moderately flammable when exposed to heat or flame. To fight fire, use foam, fog, dry chemical, water mist or spray, multipurpose dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**AOM750 CAS: 25735-67-5 HR: 2
4-sec-AMYLPHENOL**mf: C₁₁H₁₆O mw: 164.27**PROP:** D: <1.0, bp: 482–516°F, flash p: 270°F.**SYN:** p-(sec-PENTYL) PHENOL**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Combustible when exposed to heat or flame. To fight fire, use dry chemical, water mist, CO₂. When heated to decomposition it emits acrid smoke and fumes.**AON000 CAS: 80-46-6 HR: 2
4-tert-AMYLPHENOL**mf: C₁₁H₁₆O mw: 164.27**PROP:** Colorless needles. Bp: 250°, mp: 92–93°, flash p: 232°F (OC).**SYNS:** AMILPHENOL □ AMYL PHENOL 4T □ p-tert-AMYL PHENOL □ p-(α,α-DIMETHYLPROPYL)PHENOL □ p-(1,1-DIMETHYLPROPYL)PHENOL □ 2-METHYL-2-p-HYDROXY PHENYLBUTANE □ PENTAPHEN □ p-tert-PENTYLPHENOL □ PTAP □ UCAR AMYL PHENOL 4T**TOXICITY DATA with REFERENCE:**

skn-rbt 100 µg/24H open AIHAAP 23,95,62

eye-rbt 1% SEV UCDS** 8/13/64

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

orl-rat LD50:1830 mg/kg IHFCAY 6,1,67

skn-rbt LD50:2000 mg/kg UCDS** 8/13/64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Combustible. When heated to decomposition it emits toxic fumes. To fight fire, use dry chemical, water mist, CO₂. Incompatible with oxidizing materials.

AON250 CAS: 2282-34-0 HR: 3
3-sec-AMYLPHENYL-N-METHYLCARBAMATE
 mf: C₁₃H₁₉NO₂ mw: 221.33

SYNS: ENT 27,127 □ m-(1-METHYLBUTYL)PHENYL METHYLCARBAMATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:87 mg/kg 28ZEAL 5,31,76

skn-rbt LD50:680 mg/kg 28ZEAL 5,31,76

orl-ckn LD50:44 mg/kg TXAPA9 11,49,67

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

AON300 CAS: 131-18-0 HR: D
AMYL PHTHALATE

mf: C₁₈H₂₆O₄ mw: 306.44

SYNS: AMOIL □ 1,2-BENZENEDICARBOXYLIC ACID, DIPENTYL ESTER □ DIAMYL PHTHALATE □ DIPENTYL PHTHALATE □ DI-n-PENTYLPHTHALATE □ DPP □ PHTHALIC ACID, DIPENTYL ESTER

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AON350 CAS: 624-54-4 HR: 3
AMYL PROPIONATE

mf: C₈H₁₆O₂ mw: 144.24

PROP: Colorless liquid; fruity, apricot-pineapple odor. D: 0.866, refr index: 1.405–1.409, flash p: 106°F. Sol in alc, fixed oils; insol in glycerin, propylene glycol, water @ 160°.

SYNS: AMYL PROPANOATE □ n-AMYL PROPIONATE □ FEMA No. 2082 □ ISOAMYL PROPIONATE □ PENTYL PROPANOATE □ n-PENTYL PROPANOATE □ PENTYL PROPIONATE □ PROPANOIC ACID, PENTYL ESTER □ PROPIONIC ACID, PENTYL ESTER (6Cl,7Cl,8Cl)

TOXICITY DATA with REFERENCE:

eye-rbt 100 mg MLD JACTDZ 1,197,92

orl-rat LD50:>14 g/kg JACTDZ 1,197,92

skn-rbt LD50:>14 g/kg JACTDZ 1,197,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AON500 CAS: 32446-40-5 HR: 3
n-AMYL THIOCYANATE

mf: C₆H₁₁NS mw: 129.24

PROP: Pale yellow oil. D: 0.905, bp: 197°. Insol in water; sol in alc and ether.

SYN: THIOCYANIC ACID, AMYL ESTER

TOXICITY DATA with REFERENCE:

ipr-mus LD50:75 mg/kg JACSAT 78,3843,56

scu-mus LD50:75 mg/kg CLDND*

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

AON595 CAS: 68916-14-3 HR: 1
AMYRIS OIL, ACETYLATED

SYN: OILS, AMYRIS, ACETYLATED

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg FCTXAV 11,861,1973

skn-rbt LD50:>5 g/kg FCTXAV 11,861,1973

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

AON600 HR: D
AMYRIS OIL, WEST INDIAN TYPE

PROP: Extracted from *Amyris balsamifera* L. (Fam. Rutaceae). Clear, pale yellow viscous liquid; odor of sandalwood. Sol in mineral oil, propylene glycol; insol in glycerin.

SYN: SANDALWOOD OIL, WEST INDIAN OIL

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

AON750 CAS: 64-43-7 HR: 3
AMYTAL SODIUM

mf: C₁₁H₁₇N₃O₃•Na mw: 248.29

SYNS: 5-ETHYL-5-ISOPENTYLBARBITURIC ACID SODIUM SALT □ 5-ETHYL-5-(3-METHYLBUTYL)BARBITURIC ACID, SODIUM DERIVATIVE □ 5-ISOAMYL-5-ETHYLBARBITURIC ACID, SODIUM DERIVATIVE □ SODIUM AMYLOBARBITONE □ SODIUM ETHYLISOAMYLBARBITURATE □ SODIUM ISOAMYLETHYL BARBITURATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:275 mg/kg JPETAB 68,22,40

scu-rat LDLo:90 mg/kg JPETAB 31,1,27

ivn-rat LD50:128 mg/kg JAPMA8 44,152,55

orl-mus LD50:505 mg/kg FRPSAX 14,845,59

ipr-mus LDLo:200 mg/kg JPETAB 31,455,27

scu-mus LDLo:280 mg/kg JPHAA3 26,1248,37

ivn-mus LDLo:200 mg/kg JPHAA3 26,1248,37

orl-dog LD50:99 mg/kg JPETAB 68,22,40

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic NO_x and Na₂O.

AON825 HR: 3
ANABAENA FLOS-AQUAE TOXIN

SYNS: A. FLOS-AQUAE TOXIN □ TOXIN, ANABAENA FLOS-AQUAE NRC-44-1

TOXICITY DATA with REFERENCE:

orl-rat LDLo:7500 µg/kg SCIEAS 187,542,75

ipr-mus LDLo:300 µg/kg SCIEAS 187,542,75

orl-dck LDLo:1880 µg/kg SCIEAS 187,542,75

orl-ctl LDLo:1800 µg/kg SCIEAS 187,542,75

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes.

AON875 CAS: 494-52-0 HR: 3
ANABASINE

mf: C₁₀H₁₄N₂ mw: 162.26

PROP: Liquid. Bp: 270–272°, fp: 9°, d: 1.0455. Sol in water and in most org solvs.

SYNS: ANABASIN □ (–)-ANABASIN □ ANABAZIN □ NEONICOTINE □ NEONIKOTIN □ 1-3-(2'-PIPERIDYL)-

PYRIDINE □ 3-(2-PIPERIDINYL)PYRIDINE □ 3-(2-PIPERIDYL)-
PYRIDINE □ 2-(3-PYRIDYL)-PIPERIDINE □ 2-(3'-PYRIDYL)
PIPERIDINE □ (-)-2-(3'-PYRIDYL)PIPERIDINE

TOXICITY DATA with REFERENCE:

orl-dog LDLo:50 mg/kg JPETAB 48,95,33
ivn-dog LDLo:3 mg/kg JPETAB 48,95,33
ivn-rbt LDLo:1 mg/kg JPETAB 48,95,33
skn-gpg LDLo:100 mg/kg JPETAB 48,95,33

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. Moderately toxic by skin contact. An experimental teratogen. Insecticide. Acute and subacute toxicity: increased salivation, vertigo, confusion, disturbed vision and hearing, photophobia, cold extremities, nausea, vomiting, diarrhea, syncope, colonic spasms. When heated to decomposition it emits toxic fumes of NO_x.

AOO000 **CAS: 372.60** **HR: 2**
ANAGESTONE ACETATE mixed with MESTRANOL (10:1)

mf: C₂₄H₃₆O₃ mw: 372.60

SYNS: ANATROPIN mixed with MESTRANOL (10:1) □ MESTRANOL mixed with ANAGESTONE ACETATE (1:10)

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

AOO120 **CAS: 64285-06-9** **HR: 3**
ANATOXIN I

mf: C₁₀H₁₅NO mw: 165.26

PROP: Oil.

SYNS: ANATOXIN-a □ ANTX-a □ ETHANONE, 1-(9-AZABICYCLO(4.2.1)NON-2-EN-2-YL)-, (1R)-

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:250 µg/kg TOXIA6 27,79,89

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

AOO125 **CAS: 53-39-4** **HR: 2**
ANAVAR

mf: C₁₉H₃₀O₃ mw: 306.49

PROP: Crystals from 2-propanol. Mp: 235–238°.

SYNS: LONAVAR □ OXANDROLONE □ PROTIVAR □ PROVITAR □ VASOROME

TOXICITY DATA with REFERENCE:

ipr-rat LD50:4893 mg/kg NYKZAU 65,418,69
orl-mus LD50:1832 mg/kg NYKZAU 65,418,69
ipr-mus LD50:922 mg/kg NYKZAU 65,418,69

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

AOO135 **CAS: 139,305,61** **HR: 3**
ANCISTRODON PISCIVORUS VENOM

SYN: VENOM, SNAKE, ANCISTRODON PISCIVORUS

TOXICITY DATA with REFERENCE:

ipr-mus LD50:6200 µg/kg ANREAK 139,305,61
ivn-mus LDLo:7500 µg/kg 14FHAR -,373,63
ipr-frg LD50:40 mg/kg ANREAK 139,305,61

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes.

AOO150 **CAS: 56470-64-5** **HR: D**
ANDORDRIN DIPROPIONATE

mf: C₂₈H₃₈O₄ mw: 438.66

PROP: Crystals from MeOH. Mp: 152.5–153°.

SYNS: ANORDRIN □ 17-β-2-ε,17-α-DIETHYNYL, A-NOR-ANDROSTANE-2-ε, DIHYDROXYDIPROPINATE □ 2-α-17-α-DIETHYNYL-A-NOR-5-α-ANDROSTANE-2-β,17-β-DIOL DIPROPIONATE □ F-53

SAFETY PROFILE: Experimental reproductive effects. When heated to decomposition it emits acrid smoke and fumes. An oral contraceptive.

AOO250 **CAS: 3**
ANDROCTONUS AMOREUXI VENOM

SYNS: A. AMOREUXI VENOM □ VENOM, SCORPION, ANDROCTONUS AMOREUXI

TOXICITY DATA with REFERENCE:

ims-mus LD50:880 µg/kg TOXIA6 13,253,75

unr-mus LD50:600 µg/kg TOXIA6 9,1,71

SAFETY PROFILE: Deadly poison by intramuscular and unspecified routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

AOO265 **CAS: 3**
ANDROCTONUS AUSTRALIS HECTOR VENOM

SYNS: A. AUSTRALIS HECTOR VENOM □ VENOM, SCORPION, ANDROCTONUS AUSTRALIS HECTOR

TOXICITY DATA with REFERENCE:

ipr-mus LD50:97 µg/kg TOXIA6 22,308,84

scu-mus LD50:420 µg/kg EJBCAI 16,514,70

ice-mus LD50:700 ng/kg TOXIA6 22,308,84

unr-mus LD50:9 µg/kg TOXIA6 20,9,82

SAFETY PROFILE: Deadly poison by subcutaneous, intraperitoneal, intracerebral and possibly other routes.

AOO275 **CAS: 76-43-7** **HR: 3**
ANDROFLUORENE

mf: C₂₀H₂₉FO₃ mw: 336.49

PROP: Crystals. Decomp @ 270°. Sol in pyridine; sltly sol in acetone, chloroform; sparingly sol in methanol; practically insol in water, ether, benzene, and hexanes.

SYNS: ANDROFLUORONE □ ANDROSTEROLO □ 11-β,17-β-DIHYDROXY-9-α-FLUORO-17-α-METHYL-4-ANDROSTER-3-ONE □ FLUORO-9-α-DIHYDROXY-11-β,17-β-METHYL-17-α-ANDRO STENE-4 ONE-3 (FRENCH) □ 9-FLUORO-11-β,17-β-DIHYDROXY-17-METHYLANDROST-4-EN-3-ONE □ 9-α-FLUORO-11-β,17-β-DIHYDROXY-17-α-METHYL-4-ANDROSTENE-3-ONE □ 9-α-FLUORO-11-β-HYDROXY-17-METHYLTESTOST ERONE □ 9-α-FLUORO-17-α-METHYL-11-β,17-DIHYDROXY-4-ANDROSTEN-3-ONE □ FLUOTESTIN □ FLUOXIMESTERONE □ FLUOXYMES TERONE □ FLUOXY-MESTRONE □ FLUSTERON □ FLUTESTOS □ HALOTESTIN □ 17-α-METHYL-9-α-FLUORO-11-β-HYDROXY TESTERONE □ NEO-ORMONAL □ NSC-12165 □ ORALSTERONE □ ORATESTIN □ ORA-TESTRYL □ TESTORAL □ U 6040 □ ULTANDREN □ ULTANDRENE

TOXICITY DATA with REFERENCE:

orl-hmn TDLo:400 µg/kg:BIO,SKN,PUL CANCAR
41,758,78

ipr-mus LD50:2350 mg/kg OYAA2 14,623,77

orl-rat TDLo:437,500 µg/kg/35D-C OYAA2 16,779,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by ingestion. Moderately toxic by intraperitoneal route. Human systemic effects by ingestion: dermatitis, changes in respiratory system and transaminase activity. Human reproductive effects by ingestion: spermatogenesis. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of F⁻.

AOO300 CAS: 1239-29-8 HR: 2
ANDROFURAZANOL

mf: C₂₀H₃₀N₂O₂ mw: 330.52

PROP: Needles from methanol. Mp: 152–153°.

SYNS: DH 245 □ FRAZALON □ FURAZABOL □ 17-β-HYDROXY-17-α-METHYL-5-α-ANDROSTANO(2,3-c)FURAZAN □ 17-METHYL-5-α-ANDROSTANO(2,3-c)(1,2,5)OXADIAZOL-17-β-OL □ 17-α-METHYL-5-α-ANDROSTANO(2,3-c)(1,2,5)OXADIAZOL-17-β-OL □ MIOTOLON □ MYOTOLON

TOXICITY DATA with REFERENCE:

orl-mus LD50:1731 mg/kg OYAA2 3,187,69

ipr-mus LD50:494 mg/kg CPBTAL 14,285,66

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

AOO375 CAS: 4720-09-6 HR: 3
ANDROMEDOTOXIN

mf: C₂₂H₃₆O₇ mw: 412.58

PROP: Crystals from EtOAc/pentane. Mp: 267–270°.

SYNS: ACETYLLANDROMEDOL □ ASEBOTOXIN □ G-I □ GRAYANOTOXANE-3,5,6,10,14,16-HEXOL 14 ACETATE □ GRAYANOTOXIN I □ RHODOTOXIN

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1310 µg/kg TXAPA9 35,303,76

scu-mus LD50:148 µg/kg JJPAAZ 6,46,56

ivn-cat LDLo:400 µg/kg JJPAAZ 6,46,56

ivn-rbt LDLo:270 µg/kg JJPAAZ 6,46,56

ivn-gpg LD50:1300 µg/kg ARTODN 44,259,80

par-frg LD50:3899 µg/kg JJPAAZ 6,46,56

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

AOO400 CAS: 26041-59-8 HR: 3
3,5-ANDROSTADIEN-17-β-YLTRIMETHYLAMMONIUM IODIDE

mf: C₂₂H₃₆N•I mw: 441.49

SYNS: AMMONIUM, ANDROSTA-3,5-DIEN-17-β-YLTRIMETHYL-,IODIDE □ ANDROSTA-3,5-DIEN-17-β-YLTRIMETHYLAMMONIUM IODIDE

TOXICITY DATA with REFERENCE:

ipr-mus LD :>4500 µg/kg YKKZAJ 89,1152,1969

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

AOO401 CAS: 302-96-5 HR: 1
ANDROSTANAZOL

mf: C₂₁H₃₂N₂O mw: 328.55

SYNS: ANDROSTANAZOLE □ 17-β-HYDROXY-17-α-METHYLANDROSTANO(3,2-c)PYRAZOLE □ STANOZOLOL □ WIN 14833 □ WINSTROL □ WINSTROL V

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:24 mg/kg/17W-I:SYS BMJOAE
294,612,87

orl-man TDLo:4285 mg/kg/30D-I:SYS BMJOAE
294,612,87

SAFETY PROFILE: Human systemic effects by ingestion: jaundice. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x.

AOO403 CAS: 15500-65-9 HR: 3
5-α-ANDROSTAN-3-α,17-β-DIOL, 2-β,16-β-BIS(1-METHYLPIPERIDINIO)-, DIBROMIDE

mf: C₃₁H₅₆N₂O₂•2Br mw: 648.71

SYNS: 2-β,16-β-DIPIPERIDINO-5-α-ANDROSTAN-3-α,16-β-DIOLDIMETHOBROMIDE □ ORG-NA 96 □ PIPERIDINIUM, 1,1'-(2-β,16-β-(3-α,17-β-DIHYDROXY-5-α-ANDROSTANYLENE))BIS(1-METHYL-, DIBROMIDE

TOXICITY DATA with REFERENCE:

ivn-mus LDLo:3 mg/kg JMCMA 16,1116,1973

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

AOO405 CAS: 571-20-0 HR: D
5-α-ANDROSTANE-3-β,17-β-DIOL

mf: C₁₉H₃₂O₂ mw: 292.51

SYNS: 3-β,17-β-ANDROSTANEDIOL □ ANDROSTANE-3,17-DIOL, (3-β,5-α,17-β)-(9CI) □ 3-β,17-β-DIHYDROXY-5-α-ANDROSTANE

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

AOO410 CAS: 2297-30-5 HR: 2
ANDROSTENEDIOL DIPROPIONATE

mf: C₂₅H₃₈O₄ mw: 402.63

PROP: Solid. Mp: 115–116°.

SYNS: ANDROST-5-ENE-3-β,17-β-DIOL, DIPROPIONATE □ ANDROST-5-ENE-3,17-DIOL, DIPROPANOATE, (3-β,17-β)-(9CI) □ BISEXOVIS □ BISEXOVISTER □ GINANDRIN □ STENANDIOL

TOXICITY DATA with REFERENCE:

orl-mus LD50:1185 mg/kg PCJOAU 17,30,83

SAFETY PROFILE: Moderately toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

AOO425 CAS: 63-05-8 HR: 2
ANDROSTENEDIONE

mf: C₁₉H₂₆O₂ mw: 286.45

PROP: Dimorphous: Needles from acetone, or crystals from hexane. Mp: 173–174°.

SYNS: Δ^4 -ANDROSTEN-3,17-DIONE □ Δ^4 -ANDROSTENE-3,17-DIONE □ Δ^4 -ANDROSTENEDIONE □ 4-ANDROSTENE-3,17-DIONE □ ANDROTEX □ SKF 2170

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

AOO450 CAS: 53-43-0 HR: 2
ANDROSTENOLONE

mf: $C_{19}H_{28}O_2$ mw: 288.47

PROP: Dimorphous. Needles: mp: 140–141°. Leaflets: mp: 152–153°. Sol in benzene, alc, and ether; sparingly sol in chloroform and pet ether.

SYNS: 17-CHETOVIS □ trans-DEHYDROANDROSTERONE □ DEHYDROEPIANDROSTERONE □ 5-DEHYDROEPIANDROSTERONE □ DEHYDROISOANDROSTERONE □ 5,6-DEHYDROISOANDROSTERONE □ DHA □ DIANDRON □ DIANDRONE □ 5,6-DIDEHYDROISOANDROSTERONE □ 17-HORMOFORIN □ 3- β -HYDROXY-5-ANDROSTEN-17-ONE □ PRASTERONE □ PSICOSTERONE

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

AOO475 CAS: 521-10-8 HR: 3
ANDROSTESTONE-M

mf: $C_{20}H_{32}O_2$ mw: 304.52

PROP: Crystals from ethyl acetate. Mp: 205.5–206.5°. Insol in water. Sltly sol in some org solvs.

SYNS: ANDRODIOL □ ANDROSTESTON-M □ CRESTABOLIC □ DIOLANDRONE □ DIOLOSTENE □ ESJAYDIOL □ MAD □ MADIOL □ MASDIOL □ MEGABION (JAPANESE) □ MESTENE DIOL □ METANDIOL □ METANDRIOL □ METENDIOL □ METHANABOL □ METHANDIOL □ METHANDRIOL □ METHANDROLAN □ METHOSTAN □ METHYLAN DROSTEN DIOL □ METIDIONE □ METILDIOLO □ METOCRYST □ NABADIAL □ NEOSTENE □ NEOSTERON □ NEUTRO RMONE □ NEUTROSTERON □ NOTANDRON □ NOTANDRON-DEPOT □ PROTANDREN □ STENEDIOL □ STENIBELL □ STENOSTERONE □ TESTODIOL □ TROFORMONE

SAFETY PROFILE: Human reproductive effects by an unspecified route: developmental abnormalities of the urogenital system. A human and experimental teratogen. When heated to decomposition it emits acrid smoke and irritating fumes.

AOO490 CAS: 532-11-6 HR: 3
ANETHOLE TRITHIONE

mf: $C_{10}H_8OS_3$ mw: 240.36

PROP: Orange-colored prisms from butyl acetate, very bitter taste. Mp: 111°. Practically insol in water. Sol in pyridine, chloroform, benzene, dioxane, and carbon disulfide; sltly sol in ether, acetone, ethyl acetate, acetic acid, alc, cyclohexane, and pet ether.

SYNS: ANETHOLTRITHION □ FELVITEN □ HEPORAL □ 5-(p-METHOXYPHENYL)-1,2-DITHIOCYCLOPENTEN-3-THIONE □ 5-(p-METHOXYPHENYL)-3H-1,2-DITHIOLE-3-THIONE □ 5-(p-

METHOXYPHENYL)-3H-1,2-DITHIOLE-3-THIONE (9CI) □ 5-(p-METHOXYPHENYL)TRITHIONE □ MUCINOL □ SKF 1717 □ SULFRALEM □ SULFARLEM □ SULFOGAL □ SULFRALEM □ TIOPROPEN □ TIOTRIFAR □ TRITHIO □ TRITHIOANETHOLE □ TRITHIO-(p-METHOXYPHENYL)PROPENE

TOXICITY DATA with REFERENCE:

ims-rat LD50:35 mg/kg AEPPAE 222,244,54
orl-mus LD50:3850 mg/kg NIIRDN 6,25,82
ipr-mus LD50:1780 mg/kg NIIRDN 6,25,82
orl-gpg LD50:6000 mg/kg NIIRDN 6,25,82

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

AOO500 CAS: 956-90-1 HR: 3
ANGEL DUST

mf: $C_{17}H_{25}N \cdot ClH$ mw: 279.89

PROP: Crystals. Mp: 46–46.5°, bp: 135–137°.

SYNS: CI395 □ CN-25,253-2 □ DOA □ ELEPHANT TRANQUILIZER □ ELYSION □ GP-121 □ HOG □ NSC-40902 □ PCP HYDROCHLORIDE □ PEACE PILL □ PHENCYCLIDINE HYDROCHLORIDE □ 1-(1-PHENYLCYCLOHEXYL)PIPERIDINE HYDROCHLORIDE □ SERNYL □ SERNYLAN □ SERNYL HYDROCHLORIDE □ TRANK

TOXICITY DATA with REFERENCE:

orl-hmn TDL₀:71 μ g/kg:CNS JAMAAP 238,515,77
orl-hmn TDL₀:71 μ g/kg:BAH JAMAAP 238,515,77
orl-hmn LDLo:14 mg/kg JAMAAP 238,515,77
ivn-hmn TDL₀:10 μ g/kg:CNS,PNS CPAJAK 6,150,61
orl-rat LD50:135 mg/kg NETOD7 3,11,81
orl-mus LD50:77 mg/kg JPPMAB 28,713,76
ipr-mus LD50:59,558 μ g/kg SAAMDZ 2,143,81
scu-mus LD50:43 mg/kg JMCMA 24,496,81
ivn-mus LD50:16 mg/kg LIFSAC 31,803,82
ivn-dog LDLo:50 mg/kg TXCYAC 19,11,81
orl-pgn LD50:237 mg/kg TXAPA9 21,315,72
orl-dck LD50:75 mg/kg TXAPA9 21,315,72
orl-bwd LD50:5600 μ g/kg TXAPA9 21,315,72

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Human systemic effects by ingestion and intravenous routes: distorted perceptions, euphoria, excitement, hallucinations, and paresthesia. An experimental teratogen. Other experimental reproductive effects. Often mixed with other drugs of abuse yielding totally unpredictable effects. A controlled substance. When heated to decomposition it emits very toxic fumes of HCl and NO_x .

AOO750 CAS: 591-12-8 HR: 2
 α -ANGELICA LACTONE

mf: $C_5H_6O_2$ mw: 98.11

SYN: 4-HYDROXYPENT-3-ENOIC ACID LACTONE

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

AOO760 CAS: 8015-64-3 HR: 2**ANGELICA OIL, root**

PROP: Extracted from roots of *Angelica archangelica* L. A pale-yellow to amber liquid; pungent odor with bittersweet taste. Sol in fixed oils; sltly sol in mineral oil; insol in glycerin, propylene glycol.

SYNS: ANGELICA ROOT OIL □ ANGELIKA OEL □ OILS, ANGELICA ROOT

TOXICITY DATA with REFERENCE:

orl-rat LD50:11,000 mg/kg FCTXAV 13,713,75

orl-mus LD50:2200 mg/kg FCTXAV 13,713,75

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

AOO790 HR: D**ANGELICA SEED OIL**

PROP: Extracted from seeds of *Angelica archangelica* L. A light yellow liquid; sweet taste. Sol in fixed oils; sltly sol in mineral oil; insol in glycerin, propylene glycol.

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

AOO800 CAS: 554-18-7 HR: 3**ANGELI'S SULFONE**

mf: $C_{24}H_{34}N_2O_{18}S_3 \cdot 2Na$ mw: 780.76

PROP: White, amorphous powder; sweet-tasting solid. Sol in water; sltly sol in alc; insol in ether, benzene, methanol, ethyl acetate, and pyridine.

SYNS: ACEPROSOL □ ANGELI SULFONE □ p,p'-DIAMINO DIPHENYLSULFONE-N,N'-DI(DEXTROROSE SODIUM SULFONATE) □ DISODIUM p,p'-DIAMINODIPHENYLSULFONE-N,N'-DIGLUCOSE SULFONATE □ d-GLUCITOL, 1,1'-(SULFONYLBIS(4,1-PHENYLENEIMINO))BIS(1-DEOXY-1-SULFO)-, DISODIUM SALT (9CI) □ GLUCOSULFONE □ GLUCOSULFONE SODIUM □ 501 P □ PROMANIDE □ PROMIN □ PROMIN SODIUM □ PROMOTIN □ PROTOMIN □ 501 SIEGFRIED □ S. N. 166 □ SODIUM GLUCOSULFONE □ SULFONA P □ SOLFONE □ 1,1'-(SULFONYLBIS(4,1-PHENYLENEIMINO))BIS(1-DEOXY-1-SULFO-d-GLUCITOL) DISODIUM SALT □ p,p'-SULFONYLDI ANILINE N,N'-DIGLUCOSIDE DISODIUM DISULFONALTE □ p,p'-SULFONYLDIANILINE-N,N'-DI-d-GLUCOSE SODIUM BISULFITE □ TASMIN

TOXICITY DATA with REFERENCE:

orl-mus LD50:3930 µg/kg NIIRDN 6,225,82

scu-mus LD50:6500 µg/kg NIIRDN 6,225,82

ivn-mus LD50:5250 µg/kg NIIRDN 6,225,82

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and Na₂O.

AOO825 HR: 2**ANGEL'S TRUMPET**

PROP: A small tree or large shrub which may grow to 20 feet. The large flowers are funnel shaped, grow to 10 or 12 inches long and may be white, yellow-white or pink.

SYNS: BELLADONA (HAWAII) □ BRUGMANSIA ARBOREA □ BRUGMANSIA X CANDIDA □ BRUGMANSIA SANGUINEA □

BRUGMANSIA SUAVEOLENS □ CAMPANA (CUBA, PUERTO RICO) □ CORNUCOPIA □ FLORIPONDIO (PUERTO RICO) □ NANA-HONUA (HAWAII)

SAFETY PROFILE: The whole plant contains poisonous belladonna alkaloids. The seeds and dried leaves are used as hallucinogens. Ingestion may cause fever, increased heart rate, dilated pupils, delirium, and high blood pressure. See also BELLADONNA.

AOO875 CAS: 131-49-7 HR: 3**ANGIGRAFIN**

mf: $C_{11}H_9I_3N_2O_4 \cdot C_7H_{17}NO_5$ mw: 809.17

PROP: Rhombic needles, sltly sweet taste. Mp: 189–193° (decomp). Solubility in water at 20°: 89 g/100 mL.

SYNS: AMIDOTRIZOATE MEGLUMINE □ ANGIOGRAFIN □ BENZOIC ACID, 3,5-DIACETAMIDO-2,4,6-TRIIODO-, compd. with 1-DEOXY-1-(METHYLAMINO)-d-GLUCITOL □ CARDIOGRAFIN □ CYSTOGRAFIN □ DIATRIZOATE MEGLUMINE □ DIATRIZO ATE METHYLGLUCAMINE □ DITRIZOATE METHYLGLUC AMINE □ GASTROGRAFIN □ d-GLUCITOL, 1-DEOXY-1-(METHYLAMINO)-, 3,5-BIS(ACETYLAMINO)-2,4,6-TRIIODO BENZOATE (SALT) □ HYPAQUE 13.4 □ HYPAQUE 60 □ HYPAQUE CYSTO □ HYPAQUE M 30 □ HYPAQUE MEGLUMINE □ MEGLUMINE AMIDOTRIZOATE □ MEGLUMINE DIATRIZOATE □ METHYLGLUCAMINE DIATRIZOATE □ RENOGRAFFIN M-76 □ RENOGRAFIN □ RENO M □ RENO M 60 □ RENO-M-DIP □ RENURIX □ UNIPAQUE □ UROVIST

TOXICITY DATA with REFERENCE:

scu-man TDLo:214 mg/kg 34ZIAG -,392,69

ivn-rat LD50:15,300 mg/kg YACHDS 12(Suppl 1),11,84

ivn-mus LD50:21,200 mg/kg NIIRDN 6,32,82

ice-mus LD50:80 mg/kg THERAP 26,595,71

SAFETY PROFILE: Poison by intracerebral route. Human systemic effects by subcutaneous route: kidney damage and reduced urine volume. When heated to decomposition it emits toxic fumes of I⁻ and NO_x.

AOO900 CAS: 1407-47-2 HR: 3**ANGIOTONIN**

PROP: Hydrolyzed by strong acids and bases and above pH 9.5. Sol in org solvs, in aq solns pH 5–8.

SYNS: ANGIOTENSIN □ HYPERTENSIN

TOXICITY DATA with REFERENCE:

scu-ham TDLo:200 µg/kg (female 8D post):TER LIFSAK 8,525,69

scu-ham TDLo:20 µg/kg (female 8D post):REP LIFSAK 8,525,69

ivn-rat LDLo:8 mg/kg 27ZIAQ -,43,73

SAFETY PROFILE: Poison by intravenous route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

AOO925 CAS: 1402-83-1 HR: 3**ANGOLAMYCIN**

mf: $C_{46}H_{77}NO_{17}$ mw: 916.24

PROP: Crystals from Et₂O. Mp: 133–136°.

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:280 mg/kg 85FZAT -,135,67

scu-mus LD50:500 mg/kg 85FZAT -,135,67

unr-mus LDLo:1000 mg/kg 85ERAY 1,74,78

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

AOP250 CAS: 2270-40-8 HR: 3
ANGUIDIN

mf: C₁₈H₂₆O₇ mw: 354.44

PROP: Crystals from EtOAc. Mp: 161–162°.

SYNS: ANG 66 □ ANGUIDINE □ DAS □ 4-β,15-DIACETOXY-3-α-HYDROXY-12,13-EPOXYTRICHOHEC-9-ENE □ DIACETOXY SCIRPENOL □ 4,15-DIACETOXYSCIRPEN-3-OL □ DIAZETOXY SKIRPENOL (GERMAN) □ 12,13-EPOXY-4-β,15-DIAZETOXY-3-α-HYDROXY-TRICHOHEC-9-ENE □ (3-α,4-β)-12,13-EPOXY-4,15-DIACETATE-TRICHOHEC-9-ENE-3,4,15-TRIOL □ MM 4462 □ NSC-141537

TOXICITY DATA with REFERENCE:

skn-gpg 284 ng MLD FAATDF 4,S124,84
 dns-rat-ori 3 mg/kg CALEDQ 38,199,87
 dnd-mus-ivn 5600 µg/kg PAACA3 19,65,78
 ipr-wmn TDLo:12 mg/kg/5D:GIT CTRRDO 63,789,79
 ori-rat LD50:7 mg/kg VHTODE 25,335,83
 ipr-rat LD50:750 µg/kg DFSCDX 4,135,83
 ivn-rat LD50:1300 µg/kg ARZNAD 18,989,68
 ori-mus LD50:7300 µg/kg BIBIAU 10,445,68
 ihi-mus LD50:11,300 µg/kg TOXID9 4,12,84
 ipr-mus LD50:7839 µg/kg NCISP* JAN86

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: A deadly poison by ingestion, inhalation, intravenous, intraperitoneal, and subcutaneous routes. Human systemic effects by intraperitoneal route: muscle weakness, nausea or vomiting, and fever. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. A skin irritant. When heated to decomposition it emits acrid smoke and fumes.

AOP500 HR: 2
ANHYDRIDES

PROP: Chemical compounds derived from acids by elimination of a molecule of water. Thus, sulfur trioxide (SO₃) is the anhydride of sulfuric acid (H₂SO₄); carbon dioxide (CO₂) is the anhydride of carbonic acid (H₂CO₃); phthalic acid (C₆H₄(CO₂H)₂) minus water gives phthalic anhydride (C₆H₄(CO₂O)). This term should not be confused with anhydrous, meaning without water.

SAFETY PROFILE: Anhydrides are acidic and react with bases in tissue. Thus, they tend to attack and irritate tissue.

AOP502 CAS: 150785-53-8 HR: 3
8,9-ANHYDRO-4''-DEOXY-3'-N-DESMETHYL-3'-N-ETHYLERYTHROMYCIN B-6,9-HEMIACETAL

mf: C₃₈H₆₇NO₁₀ mw: 697.95

SYN: ERYTHROMYCIN, 8,9-DIDEHYDRO-N-DEMETHYL-9-DEOXO-4'',6,12-TRIDEOXY-6,9-EPOXY-N-ETHYL-

TOXICITY DATA with REFERENCE:

ivn-dog TDLo:5.1 µg/kg JPETAB 293,1106,2000

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

AOP510 CAS: 63937-30-4 HR: 3
ANHYDRO-DIMETHYLAMINO HEXOSE REDUCTONE

mf: C₈H₁₁NO₂ mw: 153.20

SYNS: ADMA □ 2-CYCLOPENTEN-1-ONE, 3-DIMETHYLAMINO-2-HYDROXY-5-METHYLENE-

TOXICITY DATA with REFERENCE:

ori-mus LD50:300 mg/kg PSEBAA 106,656,61

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

AOP750 CAS: 35891-69-1 HR: 3
ANHYDROMYRIOCIN

mf: C₂₁H₃₇NO₅ mw: 383.4

TOXICITY DATA with REFERENCE:

ipr-rat LD50:37 mg/kg 85ERAY 3,206,78
 ori-mus LD50:100 mg/kg 85ERAY 3,206,78
 ipr-mus LD50:75 mg/kg 85ERAY 3,206,78

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes such as NO_x.

AOP800 CAS: 63937-31-5 HR: 2
ANHYDRO-PIPERIDINO HEXOSE REDUCTONE

mf: C₁₁H₁₆N₂O₂ mw: 208.29

SYNS: APIP □ 2-CYCLOPENTEN-1-ONE, 2-HYDROXY-5-METHYLENE-3-PIPERIDINOAMINO-

TOXICITY DATA with REFERENCE:

ori-mus LD50:900 mg/kg PSEBAA 106,656,61

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

AOQ000 CAS: 62-53-3 HR: 3
ANILINE

DOT: UN 1547

mf: C₆H₇N mw: 93.14

PROP: Colorless, oily liquid which darkens on exposure to light; characteristic odor. Mp: -6°, bp: 184.4°, lel: 1.3%, ULC: 20–25, flash p: 158°F (CC), fp: -6.2°, d: 1.02 @ 20°/4°, autoign temp: 1139°F, vap press: 1 mm @ 34.8°, vap d: 3.22. IDLH 100 ppm.

SYNS: AMINOBENZENE □ AMINOPHEN □ ANILIN (CZECH) □ ANILINA (ITALIAN, POLISH) □ ANILINE OIL □ BENZENAMINE □ BLUE OIL □ C.I. 76000 □ HUILE d'ANILINE (FRENCH) □ NCI-C03736 □ PHENYLAMINE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD 28ZPAK -,65,72
 eye-rbt 102 mg SEV BIOFX* 1-5/69
 mma-sat 100 µg/plate PJABDW 53,34,77
 dnr-esc 25 µL/well/16H CBINA8 15,219,76
 bfa-rat/sat 300 mg/kg MUREAV 79,173,80
 ori-rat TDLo:11 g/kg/29W-C:NEO APMIAL 26,473,49
 unk-hmn LDLo:357 mg/kg JIDHAN 13,87,31
 unk-man LDLo:150 mg/kg 85DCAI 2,73,70
 ori-rat LD50:250 mg/kg JPETAB 90,260,47
 ihi-rat LCLo:250 ppm/4H JIHTAB 31,343,49
 skn-rat LD50:1400 mg/kg AGGHAR 15,447,57
 ipr-rat LD50:420 mg/kg AGGHAR 15,447,57
 ihi-mus LC50:175 ppm/7H NTIS** PB214-270
 ipr-mus LD50:492 mg/kg IZSBAI 3,91,65
 scu-mus LD50:200 mg/kg ARZNAD 8,107,58

orl-dog LD50:195 mg/kg NTIS** PB214-270
 skn-dog LDLo:1540 mg/kg NTIS** PB214-270
 ihl-cat LCLo:180 ppm/8H XPHBAO 271,4,41

CONSENSUS REPORTS: IARC Cancer Review: Group 3 IMEMDT 7,99,87; Animal Inadequate Evidence IMEMDT 4,27,74; Human No Evidence IMEMDT 4,27,74. EPA Extremely Hazardous Substances List. Community Right-To-Know List. Reported in EPA TSCA Inventory.

OSHA PEL: TWA 2 ppm (skin)

ACGIH TLV: TWA 2 ppm (skin); Animal Carcinogen; BEI: 50 mg/g creatinine of total p-aminophenol in urine at end of shift or 1.5% of hemoglobin for methemoglobin in blood during or end of shift.

DFG MAK: 2 ppm (7.7 mg/m³), Confirmed Animal Carcinogen with Unknown Relevance to Humans; BAT: 1 mg/L in urine at end of shift

DOT CLASSIFICATION: 6.1; Label: Poison

SAFETY PROFILE: Suspected carcinogen with experimental neoplastigenic data. A human poison by an unspecified route. Poison experimentally by most routes including inhalation and ingestion. Experimental reproductive effects. A skin and severe eye irritant, and a mild sensitizer. In the body, aniline causes formation of methemoglobin, resulting in prolonged anoxemia and depression of the central nervous system; less acute exposure causes hemolysis of the red blood cells, followed by stimulation of the bone marrow. The liver may be affected with resulting jaundice. Long-term exposure to aniline dye manufacture has been associated with malignant bladder growths. A common air contaminant. A combustible liquid when exposed to heat or flame. To fight fire, use alcohol foam, CO₂, dry chemical. It can react vigorously with oxidizing materials. When heated to decomposition it emits highly toxic fumes of NO_x. Spontaneously explosive reactions occur with benzenediazonium-2-carboxylate, dibenzoyl peroxide, fluorine nitrate, nitrosyl perchlorate, red fuming nitric acid, peroxodisulfuric acid, and tetranitromethane. Violent reactions with boron trichloride, peroxyformic acid, diisopropyl peroxydicarbonate, fluorine, trichloronitromethane (145°C), acetic anhydride, chlorosulfonic acid, hexachloromelamine, (HNO₃ + N₂O₄ + H₂SO₄), (nitrobenzene + glycerin), oleum, (HCHO + HClO₄), perchromates, K₂O₂, β-propiolactone, AgClO₄, Na₂O₂, H₂SO₄, trichloromelamine, acids, peroxydisulfuric acid, FO₃Cl, diisopropyl peroxy-dicarbonate, n-haloimides, and trichloronitromethane. Ignites on contact with sodium peroxide + water. Forms heat- or shock-sensitive explosive mixtures with anilinium chloride (detonates at 240°C/7.6 bar), nitromethane, hydrogen peroxide, 1-chloro-2,3-epoxypropane, and peroxomonosulfuric acid. Reactions with perchloryl fluoride, perchloric acid, and ozone form explosive products.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Amines, Aromatic, 2002.

AQ0250 CAS: 1300-14-7 HR: 3

ANILINE ANTIMONYL TARTRATE

mf: C₆H₈N•C₄H₄O₇Sb mw: 379.98

PROP: White crystals.

SYN: ANTIMONYL ANILINE TARTRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:81 mg/kg AJTMAQ 25,263,45

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg(Sb)/m³

SAFETY PROFILE: Poison by intraperitoneal route. See also ANTIMONY COMPOUNDS and ANILINE. When heated to decomposition it emits very toxic fumes of Sb and NO_x.

AQ0500

HR: 2

ANILINE DYES

SAFETY PROFILE: The finished dyes are generally very much less toxic than many of the intermediates occurring or used in the manufacture of the dyes. Some of the aniline dyes cause local irritating effects to the eyes, mucous membranes, and skin; the basic dyes are believed to be more irritating than the acid dyes. Allergic responses to aniline dyes have been known to occur. See also specific compounds. When heated to decomposition they emit toxic fumes of NO_x and possibly SO_x.

AQ0875

CAS: 553-27-5

HR: 3

ANILINE MUSTARD

mf: C₁₀H₁₃Cl₂N mw: 218.14

PROP: Stout prisms from methanol. Mp: 45°, bp: 164°. Sol in hot methanol and ethanol; very sltly sol in ether.

SYNS: N,N-BIS(2-CHLOROETHYL)ANILINE □ N,N-BIS(2-CHLOROETHYL)BENZENAMINE □ β,β'-DICHLORODIETHYLANILINE □ N,N-DI(2-CHLOROETHYL)ANILINE □ LYMPHCHIN □ LYMPHOCIN □ LYMPHOQUIN □ NSC-18429 □ PHENYLBIS(2-CHLOROETHYLAMINE) □ TL 476

TOXICITY DATA with REFERENCE:

dnd-mus:lym 30 μmol/L CNREA8 44,78,84

orl-rat LD50:239 mg/kg NCIMR* -,469,69

ipr-rat LD50:141 mg/kg BCPA6 13,969,64

orl-mus LD50:123 mg/kg NCIMR* -,469,69

ihl-mus LCLo:500 mg/m³/10M NDRC* NDRC-132,Dec,42

ipr-mus LD50:52 mg/kg NCIMR* -,469,69

CONSENSUS REPORTS: EPA Genetic Toxicology Program.

SAFETY PROFILE: Poison by inhalation, ingestion, and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also ANILINE DYES.

AOR000

HR: 3

ANILINE OIL DRUMS, EMPTY

SAFETY PROFILE: Combustible if full of vapors, such drums may ignite under the proper conditions. A dangerous disaster hazard if many drums are involved. They emit highly toxic fumes of aniline. See ANILINE.

AOR250

HR: 3

ANILINE VANADATE, DIHYDRATE

mf: C₆H₇N₂O₅V₂•2H₂O mw: 325.07

TOXICITY DATA with REFERENCE:

