

# A

**AAC000 CAS: 1405-35-2 HR: 3**  
**ABBOTT ANTIBIOTIC M259**

**SYNS:** A 6413 □ M 259

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1470 µg/kg 85FZAT -,739,67

ivn-mus LD50:2210 µg/kg 85FZAT -,739,67

**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes.

**AAC250 CAS: 8021-27-0 HR: 1**  
**ABIES ALBA OIL**

**PROP:** Colorless to pale-yellow oil from the steam distillation of the crushed cones of *Abies Alba Mill* (FCTXAV 12,807,74).

**SYNS:** OIL OF ABIES ALBA □ OIL OF FUR □ OIL OF SILVER FIR □ OIL OF SILVER PINE □ SILVER FIR NEEDLE OIL □ SILVER FIR OIL □ SILVER PINE OIL □ TEMPLIN OIL

**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:>5 g/kg FCTXAV 12,809,74

skn-rbt LD50:>5 g/kg FCTXAV 12,809,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AAC500 CAS: 514-10-3 HR: 3**  
**ABIETIC ACID**

mf: C<sub>20</sub>H<sub>30</sub>O<sub>2</sub> mw: 302.50

**PROP:** Yellow powder. Mp: 172–175°.

**SYNS:** 13-ISOPROPYLPODOCARPA-7,13-DIEN-15-OIC ACID □ SILVIC ACID

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX\* NX#02819

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intravenous route. Combustible. Slight explosion hazard as dust. When heated to decomposition it emits acrid smoke and irritating fumes.

**AAC875 CAS: 55077-30-0 HR: 3**  
**ABOVIS**

mf: C<sub>10</sub>H<sub>20</sub>NO<sub>4</sub>•½C<sub>10</sub>H<sub>6</sub>O<sub>6</sub>S<sub>2</sub> mw: 361.42

**PROP:** Crystals. Mp: 189–191°.

**SYNS:** (2-ACETYLLACTOYLOXY ETHYL) TRIMETHYL AMMONIUM HEMI-1,5-NAPHTHALENEDISULFONATE □ (2-ACETYLLACTOYLOXYETHYL) TRIMETHYL AMMONIUM 1,5-NAPHTHALENEDISULFONATE □ 2-(2-(ACETYLOXY)-1-OXOPROPOXY)-N,N,N-TRIMETHYLETHANAMINIUM 1,5-NAPHTHALENEDI SULFONATE (2:1) □ ACLATONIUM

NAPADISILATE □ CHOLINE 1,5-NAPHTHALENEDI SULFONATE (2:1), DILACTATE, DIACETATE □ TM 723

**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:600 g/kg (9W male/2W pre-6D preg):TER OYYAA2 18,923,79

orl-rat TDLo:60 g/kg (30D male):REP OYYAA2 18,749,79

orl-rat LDLo:15 g/kg IYKEDH 12,1204,81

scu-rat LD50:986 mg/kg OYYAA2 13,497,77

ivn-rat LD50:46 mg/kg OYYAA2 13,497,77

orl-mus LD50:15 g/kg USXXAM #3903137

scu-mus LD50:826 mg/kg OYYAA2 13,497,77

ivn-mus LD50:41,900 µg/kg IYKEDH 12,30420,81

**SAFETY PROFILE:** Poison by intravenous route.

Moderately toxic by subcutaneous route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>. A cholinergic agent. See also SULFONATES.

**AAD000 CAS: 1393-62-0 HR: 3**  
**ABRIN**

**PROP:** Yellowish-white powder. Sol in solns of sodium chloride, usually with turbidity. Incubation at 60° for 30 M fails to remove toxic effect, but at 80° most of the toxicity is lost.

**SYNS:** ABRINS □ AGGLUTININ □ CRAB'S EYES □ INDIAN LICORICE SEED □ JUMBLE BEAD □ PRAYER BEAD □ TOXALBUMIN

**TOXICITY DATA with REFERENCE:**

dni-mus-ast 50 µg/kg TOXIA6 11,379,73

orl-hmn LDLo:7 µg/kg MEIEDD 10,1,83

orl-rat LDLo:300 mg/kg AMIHAB 12,468,55

orl-mus LD50:6638 mg/kg ARZNAD 21,888,71

ipr-mus LD50:20 µg/kg 85GDA2 8(1),107,82

ivn-mus LD50:20 µg/kg MEIEDD 10,1,83

orl-rbt LDLo:21 mg/kg AMIHAB 12,468,55

orl-gpg LD50:299 mg/kg ARZNAD 21,888,71

**SAFETY PROFILE:** A deadly poison to humans by ingestion. Poison by ingestion, intravenous, and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits acrid fumes and irritating smoke. See also RICIN. Note: Do not confuse with abrine.

**AAD100 HR: 3**  
**ABRUS PRECATORIUS L., seed kernel extract**  
**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:550 ng/kg CTYAD8 18,196,87

scu-mus LD50:200 µg/kg TOXIA6 6,211,69

scu-gpg LDLo:430 µg/kg TOXIA6 7,211,69

**SAFETY PROFILE:** Poison by intraperitoneal and subcutaneous routes. Experimental reproductive effects.

## 2 AAD125 ABRUS PRECATORIUS OIL

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

### AAD125 HR: D ABRUS PRECATORIUS OIL

**PROP:** The oil extracted from the seeds of *Abrus precatorius* (IJPAAO 29,235,67).

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

### AAD250 CAS: 93164-88-6 HR: 2 ACACIA (EXTRACT)

**PROP:** Indian plant belonging to the family *Leguminosae* (IJEBA6 7,250,69).

**SYN:** BABUL STEM BARK EXTRACT

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:500 mg/kg IJEBA6 7,250,69

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

### AAD500 HR: 2 ACACIA FARNESIANA (Linn.) Willd., extract excluding roots

**PROP:** Indian plant belonging to the family *Mimosaceae* (IJEBA6 22,487,84).

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:562 mg/kg IJEBA6 22,487,84

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

### AAD750 HR: 2 ACACIA VILLOSA

**PROP:** Aqueous extract from the root of the plant (JNCIAM 52,1579,74).

**SYN:** WATAPANA SHIMARON

**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:198 mg/kg/22W-I:NEO JNCIAM 52,1579,74

imp-ham TDLo:1660 mg/kg:CAR JNCIAM 53,1259,74

scu-rat TD:300 g/kg/60W-I:NEO,REP JNCIAM 52,445,74

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

### AAD875 CAS: 5892-41-1 HR: 3 ACAMYLOPHENINE DIHYDROCHLORIDE

mf:  $C_{19}H_{32}N_2O_2 \cdot 2ClH$  mw: 393.45

**PROP:** A white or almost white crystalline hygroscopic powder.

**SYNS:** AVACAN □ CAMYLOFINE DIHYDROCHLORIDE □ CAMYLOFINE HYDROCHLORIDE □ CAMYLOFIN HYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:760 mg/kg MEIEDD 10,239,83

scu-mus LD50:1350 mg/kg MEIEDD 10,239,83

ivn-mus LD50:49,200 µg/kg MEIEDD 10,239,83

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and other routes. When heated to decomposition it emits toxic fumes of  $NO_x$  and HCl. See also ESTERS.

### AAD900 CAS: 56180-94-0 HR: 1 ACARBOSE

mf:  $C_{25}H_{43}NO_{18}$  mw: 645.69

**SYNS:** BAY-G 5421 □ d-GLUCOSE, o-4,6-DIDEOXY-4-(((1S-(1- $\alpha$ ,4- $\alpha$ ,5- $\beta$ ,6- $\alpha$ ))-4,5,6-TRIHYDROXY-3-(HYDROXYMETHYL)-2-CYCLOHEXEN-1-YL)AMINO)- $\alpha$ -d-GLUCOPYRANOSYL-(1-4)-o-ALPHA-d-GLUCOPYRANOSYL-(1-4)-

**TOXICITY DATA with REFERENCE:**

orl-wmn TDLo:360 mg/kg/60D-I AIMEAS 124,931,1996

orl-rat LD50:24 g/kg NIIRDN -,2,1995

scu-rat LD50:12 g/kg NIIRDN -,2,1995

ivn-rat LD50:6 g/kg NIIRDN -,2,1995

orl-mus LD50:24 g/kg NIIRDN -,2,1995

ivn-mus LD50:12 g/kg NIIRDN -,2,1995

**SAFETY PROFILE:** Low toxicity by ingestion, subcutaneous, and intravenous routes. Human systemic effects: liver function impaired. When heated to decomposition it emits toxic vapors of  $NO_x$ .

### AAE000 CAS: 3697-25-4 HR: 2 4,10-ACE-1,2-BENZANTHRACENE

mf:  $C_{20}H_{14}$  mw: 254.34

**SYNS:** 1,2-DIHYDROBENZ(e)ACEANTHRYLENE □ 5,6-DIHYDROBENZENE(e)ACEANTHRYLENE

**TOXICITY DATA with REFERENCE:**

scu-mus TDLo:4 mg/kg:ETA AJCAA7 33,499,38

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

### AAE100 CAS: 37517-30-9 HR: 3 ACEBUTOLOL

mf:  $C_{18}H_{28}N_2O_4$  mw: 336.48

**PROP:** Crystals. Mp: 119–123°.

**SYNS:** (±)-ACEBUTOLOL □ dl-ACEBUTOLOL □ 1-(2-ACETYL-4-n-BUTYRAMIDOPHENOXY)-2-HYDROXY-3-ISOPROPYL-AMINOPROPANE □ 3'-ACETYL-4'-(2-HYDROXY-3-(ISOPROPYL AMINO)PROPOXY)BUTYRANILIDE □ (±)-N-(3-ACETYL-4-(2-HYDROXY-3-((1-METHYLETHYL) AMINO) PROPOXY) PHENYL)BUTANAMIDE □ 5'-BUTYRAMIDO-2'-(2-HYDROXY-3-ISOPROPYLAMINO PROPOXY) ACETOPHENONE □ PRENT

**TOXICITY DATA with REFERENCE:**

orl-wmn TDLo:152 mg/kg:CVS,BPR JTCTDW 20,69,83

ivn-dog LD50:4 mg/kg MASODV 16,13,80

**SAFETY PROFILE:** Moderately toxic by intravenous route. Human systemic effects by ingestion: developmental abnormalities of the cardiovascular and respiratory systems; effects on newborn in biochemical and metabolic abnormalities and reduced growth statistics. A human teratogen. When heated to decomposition it emits toxic fumes of  $NO_x$ . A beta-adrenergic blocker.

### AAE125 CAS: 34381-68-5 HR: 3 ACEBUTOLOL HYDROCHLORIDE

mf:  $C_{18}H_{28}N_2O_4 \cdot ClH$  mw: 372.94

**SYNS:** ACETOBUTOLOL HYDROCHLORIDE □ dl-1-(2-ACETYL-4-BUTYRAMIDOPHENOXY)-2-HYDROXY-3-ISOPROPYLAMINOPROPANE HYDROCHLORIDE □ 3'-ACETYL-4'-(2-HYDROXY-3-(ISOPROPYLAMINO)PROPOXY)BUTYRANILIDE HYDROCHLORIDE □ M&B 17,803A □ SECTRAL

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:6620 mg/kg OYYAA2 20,883,80  
 ipr-rat LD50:222 mg/kg OYYAA2 15,837,78  
 scu-rat LD50:1310 mg/kg OYYAA2 15,837,78  
 ivn-rat LD50:103 mg/kg OYYAA2 15,837,78  
 orl-mus LD50:4050 mg/kg NIIRDN 6,19,82  
 ipr-mus LD50:185 mg/kg OYYAA2 15,837,78  
 scu-mus LD50:291 mg/kg OYYAA2 15,837,78  
 ivn-mus LD50:53 mg/kg NIIRDN 6,19,82  
 orl-rbt LD50:296 mg/kg OYYAA2 15,837,78  
 ivn-rbt LD50:41 mg/kg OYYAA2 16,837,78

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

#### AAE250 CAS: 827-61-2 HR: 3 ACECLIDINE

mf:  $C_9H_{15}NO_2$  mw: 169.25

**SYNS:** 3-ACETOXYQUINUCLIDINE GLAUCOSTAT □ 3-QUINUCLIDINOL ACETATE

#### TOXICITY DATA with REFERENCE:

scu-rat LD50:225 mg/kg ARZNAD 18,320,68  
 ivn-rat LD50:45 mg/kg ARZNAD 18,320,68  
 orl-mus LD50:165 mg/kg ARZNAD 18,320,68  
 scu-mus LD50:102 mg/kg ARZNAD 18,320,68  
 ivn-mus LD50:36 mg/kg RPTOAN 35(2),55,72

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

#### AAE500 CAS: 3685-84-5 HR: 3 ACEFEN

mf:  $C_{12}H_{16}ClNO_3 \cdot ClH$  mw: 294.20

**SYNS:** AMIPOLNE □ 235 ANP HYDROCHLORIDE □ BRENAL □ CELLATIVE □ CENTROPHENOXINE □ CERUTIL □ (p-CHLORO PHENOXY)ACETIC ACID 2-(DIMETHYLAMINO) ETHYL ESTER HYDROCHLORIDE □ CLOCETE □ DIMETHYL AMINO ETHYL p-CHLOROPHENOXYACETATE HYDRO CHLORIDE □ DIMETHYLAMINOETHYL 4-CHLORO PHENOXY ACETATE HYDROCHLORIDE □ DIMETHYL AMINOETHYL ESTER of p-CHLORO PHENOXY ACETIC ACID HYDRO CHLORIDE □ HELFERGIN □ LUCIDRIL □ LUCIDRYL HYDROCHLORIDE □ MARUCOTOL □ MECLOFENOXATE HYDROCHLORIDE □ METHOXYNAL □ NSC-113619 □ PROSEROUT

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:865 mg/kg KSKZAN 16(2),59,78  
 ipr-mus LD50:660 mg/kg NIIRDN 6,814,82  
 scu-mus LD50:1560 mg/kg NIIRDN 6,814,82  
 orl-mus LD50:1750 mg/kg CRSBAW 153,1914,59  
 ipr-mus LD50:845 mg/kg CRSBAW 153,1914,59  
 ivn-mus LD50:350 mg/kg CRSBAW 153,1914,59

ivn-rbt LDLo:150 mg/kg CRSBAW 153,1914,59

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

#### AAE625 CAS: 53164-05-9 HR: 3 ACEMETACIN

mf:  $C_{21}H_{18}ClNO_6$  mw: 415.83

**PROP:** Very fine, pale-yellow crystals from pet eth. Mp: 150–153°.

**SYNS:** ACM □ (1-(p-CHLORBENZOYL)-5-METHOXY-2-METHYLINDOL-3-ACETOXY)ESSIGSAEURE (GERMAN) □ 1-(4-CHLOROBENZOYL)-5-METHOXY-2-METHYL-1H-INDOLE-3-ACETIC ACID CARBOXYMETHYL ESTER □ (1-(4-CHLOROBENZOYL)-5-METHOXY-2-METHYLINDOLE-3-YL)ACETOXYACETIC ACID □ K-708 □ RANTUDIL □ TV 1322

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:24 mg/kg ARZNAD 30,1398,80  
 ipr-rat LD50:23 mg/kg ARZNAD 30,1398,80  
 scu-rat LD50:28 mg/kg ARZNAD 30,1398,80  
 ivn-rat LD50:28 mg/kg ARZNAD 30,1398,80  
 ims-rat LD50:19 mg/kg ARZNAD 30,1398,80  
 orl-mus LD50:18 mg/kg ARZNAD 30,1398,80  
 ipr-mus LD50:23 mg/kg ARZNAD 30,1398,80  
 scu-mus LD50:23 mg/kg ARZNAD 30,1398,80  
 ivn-mus LD50:34 mg/kg ARZNAD 30,1398,80

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, intraperitoneal, intravenous, and intramuscular routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of  $Cl^-$  and  $NO_x$ . An anti-inflammatory agent.

#### AAE750 HR: 1 ACENAPHTHALENE

mf:  $C_{10}H_6(CH_2)_2$  mw: 154.2

**PROP:** White, elongated crystals. Mp: 95°, bp: 277.5°, d: 1.024 @ 99°/4°, vap press: 10 mm @ 131.2°, vap d: 5.32. Insol in water, sltly sol in hot alc, eth, and chloroform.

**SYN:** 1,8-ETHYLENE NAPHTHALENE

#### TOXICITY DATA with REFERENCE:

mma-sat 490  $\mu$ mol/L/2H CNREA8 39,4152,79

**SAFETY PROFILE:** Mutation data reported. A skin and mucous membrane irritant. May cause acute vomiting if swallowed in large quantities. Combustible. When heated to decomposition it emits acrid smoke and irritating fumes.

#### AAF000 CAS: 5779-79-3 HR: 2 ACENAPHTHANTHRACENE

mf:  $C_{20}H_{14}$  mw: 254.34

**SYNS:** BENZ(k)ACEPHENANTHRENE □ 4,5-DIHYDROBENZ(k)ACEPHENANTHRYLENE □ 3:4-DIMETHYLENE-1:2-BENZANTHRACENE

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

#### AAF250 CAS: 4657-93-6 HR: 3 5-ACENAPHTHENAMINE

## 4 AAF275 ACENAPHTHENE

mf: C<sub>12</sub>H<sub>11</sub>N mw: 169.24

**PROP:** Colorless needles, sol in ethanol. Mp: 108°.

**SYNS:** 5-AMINOACENAPHTHENE □ 1,2-DIHYDRO-5-ACENAPHTHYLENAMINE

### TOXICITY DATA with REFERENCE:

imp-mus TDLo:160 mg/kg:CAR NEZAAQ 24,263,69

ivn-mus LD50:56 mg/kg CSLNX\* NX#01911

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 16,243,78.

**SAFETY PROFILE:** Poison by intravenous route. Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

## AAF275 CAS: 83-32-9 HR: 2 ACENAPHTHENE

mf: C<sub>12</sub>H<sub>10</sub> mw: 154.22

**PROP:** White crystals. D: 1.02 g/mL @ 25°, mp: 95°, bp: 279°. Sol in water: <1 mg/mL @ 20°.

**SYNS:** ACENAPHTHYLENE, 1,2-DIHYDRO- □ 1,8-ETHYLENE NAPHTHALENE □ NAPHTHYLENEETHYLENE □ PERIETHYLENEENAPHTHALENE

### TOXICITY DATA with REFERENCE:

mmo-omi 3 mg MIKBA5 54,360,85

ipr-rat LD50:600 mg/kg GTPZAB 14(6),46,70

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. Incompatible with strong oxidizing agents, ozone, chlorinating agents. When heated to decomposition it emits acrid smoke and irritating vapors.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Polynuclear Aromatic Hydrocarbons (HPLC), 5506; (GC), 5515.

## AAF300 CAS: 82-86-0 HR: 2 ACENAPHTHENEDIONE

mf: C<sub>12</sub>H<sub>6</sub>O<sub>2</sub> mw: 182.18

**SYN:** 1,2-ACENAPHTHYLENEDIONE

### TOXICITY DATA with REFERENCE:

unr-rat LD50:728 mg/kg RPTOAN 41,146,78

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

## AAF500 CAS: 208-96-8 HR: 2 ACENAPHTHYLENE

mf: C<sub>12</sub>H<sub>8</sub> mw: 152.20

**PROP:** D: 0.8988 (16°/4°), mp: 93.5–94.5°, bp: 265–275°. Insoluble in water, very sol in 95% ethanol.

**SYN:** CYCLOPENTA(de)NAPHTHALENE

### TOXICITY DATA with REFERENCE:

mma-sat 1 mmol/L/2H CNREA8 39,4152,79

ipr-rat LD50:1700 mg/kg GTPZAB 14(6),46,70

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Polynuclear Aromatic Hydrocarbons (HPLC), 5506; (GC), 5515.

## AAF625 CAS: 72064-79-0 HR: 3 ACEPREVAL

mf: C<sub>28</sub>H<sub>38</sub>O<sub>7</sub> mw: 486.66

**PROP:** White powder. Mp: 184–188°

**SYNS:** 21-(ACETYLOXY)-11-β-HYDROXY-17-((1-OXOPENTYL)OXY)PREGNA-1,4-DIENE-3,20-DIONE □ PREDNISOLONE VALERATE ACETATE □ PREDNISOLONE-17-VALERATE-21-ACETATE □ PVA □ 11-β,17-α,21-TRIHYDROXY-1,4-PREGNADIENE-3,20-DIONE-21-ACETATE-17-VALERATE

### TOXICITY DATA with REFERENCE:

ipr-mus LD50:1360 mg/kg OYYAA2 20,195,80

scu-mus LD50:1150 mg/kg OYYAA2 20,195,80

scu-rbt LD50:100 mg/kg OYYAA2 20,195,80

**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by other routes. An experimental teratogen. Other experimental reproductive effects.

## AAF750 CAS: 3598-37-6 HR: 3 ACEPROMAZINE MALEATE

mf: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>OS•C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> mw: 442.57

**PROP:** Veterinary tranquilizer drug.

**SYNS:** 2-ACETYL-10-(3-(DIMETHYLAMINO)PROPYL)PHENOTHIAZINE, MALEATE □ ACETYLPROMAZINE MALEATE (1:1) □ ATRAVET □ 10-(3-(DIMETHYLAMINO)PROPYL)PHENOTHIAZIN-2-YL METHYL KETONE MALEATE (1:1) □ MALEATE ACIDE de l'ACETYL-3-DIMETHYLAMINO-3-PROPYL-10-PHENOTHIAZINE (FRENCH) □ NOTENSIL □ PREGICIL □ SOPRONTIN

### TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg AIPTAK 123,78,59

ivn-rat LD50:95 mg/kg MEIEDD 10,5,83

orl-mus LDLo:270 mg/kg AIPTAK 113,53,57

scu-mus LD50:175 mg/kg AIPTAK 113,53,57

ivn-mus LD50:65 mg/kg APTOA6 19,87,62

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, and intravenous routes. When heated to decomposition it emits highly toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>. See also KETONES.

## AAF800 CAS: 13461-01-3 HR: 3 ACEPROMETAZINE

mf: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>OS mw: 326.49

**PROP:** A liquid.

**SYNS:** ACEPROMETHAZINE □ 1664 CB □ ETHANONE, 1-(10-(2-(DIMETHYLAMINO)PROPYL)-10H-PHENOTHIAZIN-2-YL)-(9CI) □ KETONE, 10-(2-(DIMETHYLAMINO)PROPYL)PHENOTHIAZIN-2-YL METHYL

### TOXICITY DATA with REFERENCE:

orl-mus LD50:517 mg/kg AAREAV 21,543,64

scu-mus LD50:240 mg/kg AAREAV 21,543,64

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.

**AAF900 CAS: 55589-62-3 HR: D**

**ACESULFAME POTASSIUM**

mf: C<sub>4</sub>H<sub>4</sub>KNO<sub>4</sub>S mw: 201.24

**PROP:** White crystalline solid; odorless with sweet taste. Mp: 250°. Very sol in water, DMF, DMSO; sol in alc. About 200 times sweeter than sucrose.

**SYNS:** ACESULFAME K □ POTASSIUM ACESULFAME □ POTASSIUM 6-METHYL-1,2,3-OXATHIAZINE-4(3H)-1,2,2-DIOXIDE □ SUNETTE

**SAFETY PROFILE:** When heated to decomposition emits toxic fumes of SO<sub>x</sub>.

**AAG000 CAS: 105-57-7 HR: 3**

**ACETAL**

**DOT:** UN 1088

mf: C<sub>6</sub>H<sub>14</sub>O<sub>2</sub> mw: 118.20

**PROP:** Colorless, volatile liquid; agreeable odor, nutty aftertaste. Mp: -100°, bp: 102.7°, flash p: -5°F (CC), lel: 1.65%, uel: 10.4%, d: 0.831, autoign temp: 446°F, vap press: 10 mm @ 8.0°, vap d: 4.08. Sltly sol in water; misc in alc and eth.

**SYNS:** ACETAAL (DUTCH) □ ACETAL DIETHYLQUE (FRENCH) □ ACETALE (ITALIAN) □ 1,1-DIAETHOXY-AETHAN (GERMAN) □ DIAETHYLACETAL (GERMAN) □ 1,1-DIETHOXY-ETHAAN (DUTCH) □ 1,1-DIETHOXYETHANE □ DIETHYL ACETAL □ 1,1-DIETOSSIETANO (ITALIAN) □ ETHYLIDENE DIETHYL ETHER □ USAF DO-45

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H MLD JIHTAB 31,60,49  
eye-rbt 500 mg JIHTAB 31,60,49  
orl-rat LD50:4600 mg/kg MDZEAK 8,244,67  
ihl-rat LCLo:4000 ppm/4H JIHTAB 31,343,49  
ipr-rat LD50:900 mg/kg 14CYAT 2,1982,63  
orl-mus LD50:3500 mg/kg GISAAA (3),12,77  
ipr-mus LD50:500 mg/kg NTIS\*\* AD277-689  
orl-rbt LD50:3545 mg/kg PSEBAA 29,730,32

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Moderately toxic by ingestion, inhalation, and intraperitoneal routes. A skin and eye irritant. A narcotic. Dangerous fire hazard when exposed to heat or flame; can react vigorously with oxidizing materials. Forms heat-sensitive explosive peroxides on contact with air. When heated to decomposition it emits acrid smoke and fumes. See also ETHERS and ALDEHYDES.

**AAG100 CAS: 592-56-3 HR: 1**

**ACETALDAZINE**

mf: C<sub>4</sub>H<sub>8</sub>N<sub>2</sub> mw: 84.14

**SYNS:** ACETALDEHYDE, AZINE □ ACETALDEHYDE, ETHYLIDENEHYDRAZONE □ ACETALDEHYDAZINE □ BIETHYLIDENEHYDRAZINE □ DIETHYLIDINEHYDRAZINE □ TL 42

**TOXICITY DATA with REFERENCE:**

ihl-mus LC :>2300 mg/m<sup>3</sup>/10M NDRC\*\* NDCrc-132,Mar,1942

**SAFETY PROFILE:** Low toxicity by inhalation. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAG250 CAS: 75-07-0 HR: 3**

**ACETALDEHYDE**

**DOT:** UN 1089

mf: C<sub>2</sub>H<sub>4</sub>O mw: 44.06

**PROP:** Colorless, fuming liquid; pungent, fruity odor. Mp: -123.5°, bp: 20.8°, lel: 4.0%, uel: 57%, flash p: -36°F (CC), d: 0.804 @ 0°/20°, autoign temp: 347°F, vap d: 1.52. Misc in water, alc, and eth. IDLH 2000 ppm.

**SYNS:** ACETALDEHYD (GERMAN) □ ACETIC ALDEHYDE □ ALDEHYDE ACETIQUE (FRENCH) □ ALDEIDE ACETICA (ITALIAN) □ ETHANAL □ ETHYL ALDEHYDE □ FEMA No. 2003 □ NCI-C56326 □ OCTOWY ALDEHYD (POLISH) □ RCRA WASTE NUMBER U001

**TOXICITY DATA with REFERENCE:**

eye-hmn 50 ppm/15M JIHTAB 28,262,46  
skn-rbt 500 mg open MLD UCDS\*\* 12/13/63  
eye-rbt 40 mg SEV UCDS\*\* 12/13/63  
mma-sat 10 µL/plate EVHPAZ 21,79,77  
dnr-esc 10 µL/plate EVHPAZ 21,79,77  
sce-hmn:lym 20 ppm/48H MUREAV 58,115,78  
ihl-hmn TCLo:134 ppm/30M:PUL JAMAAP 165,1908,57  
orl-rat LD50:661 mg/kg AGACBH 4,125,74  
ihl-rat LC50:37 g/m<sup>3</sup>/30M APTOA6 6,299,50  
ipr-rat LDLo:500 mg/kg JBCHA3 152,41,44  
ihl-mus LC50:1500 ppm/4H DTLVS\* 4,3,80  
scu-rat LD50:640 mg/kg APTOA6 6,299,50  
scu-mus LD50:560 mg/kg APTOA6 6,299,50  
ivn-mus LD50:212 mg/kg JOANAY 128,65,79  
skn-rbt LD50:3540 mg/kg UCDS\*\* 12/13/63  
ihl-ham LC50:17,000 ppm/4H PEXTAR 24,162,79  
itr-ham LD50:96 mg/kg PEXTAR 24,162,79

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,77,87; Animal Sufficient Evidence IMEMDT 36,101,85; Human Inadequate Evidence IMEMDT 36,101,85. On Community Right-To-Know List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

**OSHA PEL:** TWA 100 ppm; STEL 150 ppm

**ACGIH TLV:** CL 25, Confirmed Animal Carcinogen.

**DFG MAK:** 50 ppm (90 mg/m<sup>3</sup>), Suspected Carcinogen

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic and tumorigenic data. Poison by intratracheal and intravenous routes. A human systemic irritant by inhalation. An experimental teratogen. Other experimental reproductive effects. A skin and severe eye irritant. A narcotic. Human mutation data reported. A common air contaminant. Highly flammable liquid. Mixtures of 30–60% of the vapor in air ignite above 100°. It can react violently with acid anhydrides, alcohols, ketones, phenols, NH<sub>3</sub>, HCN, H<sub>2</sub>S, halogens, P, isocyanates, strong alkalis, and amines. Reactions with cobalt chloride, mercury(II) chlorate, or mercury(II) perchlorate form

sensitive, explosive products. Polymerizes violently in the presence of traces of metals or acids. Reaction with oxygen may lead to detonation. When heated to decomposition it emits acrid smoke and fumes.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #ID-68 or NIOSH: Acetaldehyde GC 2538; HPLC 3507.

**AAG500 CAS: 75-39-8 HR: 2**

### ACETALDEHYDE AMMONIA

**DOT:** UN 1841

mf:  $C_2H_4O \cdot H_3N$  mw: 61.10

**PROP:** White, crystalline solid. Bp: 110°, mp: 97°. Very sol in water, alc; sltly sol in eth.

**SYNS:** ACETALDEHYDE, AMINE SALT □ ALDEHYDE AMMONIA □ 1-AMINOETHANOL □  $\alpha$ -AMINOETHYL ALCOHOL □ ETHANOL, 1-AMINO-(8CI,9CI)

**DOT CLASSIFICATION:** 9; Label: CLASS 9

**SAFETY PROFILE:** It readily decomposes into acetaldehyde and ammonia when heated, causing the hazards of these substances. Moderate fire and explosion hazard when exposed to heat or flame. Can react with oxidizing materials. When heated to decomposition it emits toxic fumes of  $NH_3$  and  $NO_x$ .

**AAG750 CAS: 10143-67-6 HR: 2**

### ACETALDEHYDE BIS(2-METHOXYETHYL)

#### ACETAL

mf:  $C_8H_{18}O_4$  mw: 178.26

**SYN:** 1,1-DI-(2-METHOXYETHOXY)ETHANE

**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg open AMIHBC 10,61,54

orl-rat LD50:3260 mg/kg AMIHBC 10,61,54

skn-rbt LD50:4240 mg/kg AMIHBC 10,61,54

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

**AAG850 CAS: 105-82-8 HR: 1**

### ACETALDEHYDE-DI-n-PROPYL ACETAL

mf:  $C_8H_{18}O_2$  mw: 146.26

**SYNS:** ACETALDEHYDE, DIPROPYL ACETAL □ 1,1-DIPROPOXYETHANE □ DIPROPYL ACETAL □ n-PROPYL ACETAL

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 17,897,79

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AAH000 CAS: 16568-02-8 HR: 3**

### ACETALDEHYDE-N-METHYL-N-FORMYL HYDRAZONE

mf:  $C_4H_8N_2O$  mw: 100.14

**SYNS:** ACETALDEHYDE-N-FORMYL-N-METHYLHYDRAZONE □ ETHYLIDENE GYROMITRIN □ GYROMITRIN □ N-METHYL-N-FORMYL HYDRAZONE of ACETALDEHYDE

### TOXICITY DATA with REFERENCE:

unk-chd LDLo:10 mg/kg MGLHAE 65,453,74

unk-hmn LDLo:20 mg/kg MGLHAE 65,453,74

orl-rat LD50:320 mg/kg FCTXAV 15,575,77

orl-mus LD50:344 mg/kg MUREAV 54,167,78

orl-rbt LD50:50 mg/kg NATWAY 62,395,75

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 7,391,87. EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Poison via ingestion and possibly other routes. Questionable carcinogen with experimental carcinogenic and tumorigenic data. When heated to decomposition it emits toxic fumes of  $NO_x$ .

**AAH100 CAS: 17167-73-6 HR: 3**

### ACETALDEHYDE METHYLHYDRAZONE

mf:  $C_3H_8N_2$  mw: 72.13

**SYNS:** ACETALDEHYDE, N-METHYLHYDRAZONE □ AMFH

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:390 mg/kg TXAPA9 45,429,78

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

**AAH250 CAS: 107-29-9 HR: 3**

### ACETALDEHYDE OXIME

**DOT:** UN 2332

mf:  $C_2H_5NO$  mw: 59.08

**PROP:** A water-sol, crystalline material; sol in alc, eth. Mp: ( $\alpha$ ) 46.5°, mp: ( $\beta$ ) 12°, d: 0.966, bp: 114.5°, flash p: 672°F.

**SYNS:** ACETALDOXIME □ ALDOXIME □ ETHANAL OXIME □ ETHYLIDENEHYDROXYLAMINE □ USAF AM-5

**TOXICITY DATA with REFERENCE:**

mma-mus:lyms 230 mg/L MUREAV 204,149,88

msc-mus:lyms 15 g/L MUREAV 204,149,88

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

unk-mus LD50:1150 mg/kg PCJOAU 12,227,78

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison via intraperitoneal route. Mutation data reported. A dangerous fire hazard with a flash point at room temperature. When heated to decomposition it emits toxic fumes of  $NO_x$ . See also ALDEHYDES.

**AAH500 CAS: 918-04-7 HR: 2**

### ACETALDEHYDE SODIUM SULFITE

mf:  $C_2H_3O_2SO_2Na \cdot 1/2H_2O$  mw: 166.2

**PROP:** White crystals decomp by acid; sol in water; insol in alc.

**SYNS:** ACETALDEHYDE SODIUM BISULFITE □ AZET ALDEHYDSCHWEFELIGSAUREN NATRIUMS (GERMAN) □ SODIUM-1-HYDROXYETHANESULFONATE

**TOXICITY DATA with REFERENCE:**

orl-rbt LDLo:1220 mg( $SO_2$ )/kg AHYGAJ 57,87,06

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion based upon SO<sub>2</sub> content. When heated to decomposition it emits toxic fumes of SO<sub>x</sub> and Na<sub>2</sub>O. See also ALDEHYDES and SULFITES.

**AAH750 CAS: 107-89-1 HR: 3**

### ACETALDOL

**DOT:** UN 2839

mf: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub> mw: 88.12

**PROP:** Clear, white-to-yellow syrupy liquid. Bp: 83° @ 20 mm, flash p: 150°F (OC), d: 1.11, autoign temp: 482°F, vap d: 3.04.

**SYNS:** ALDOL □ 3-BUTANOLAL □ 3-HYDROXYBUTANAL □ β-HYDROXYBUTYRALDEHYDE □ 3-HYDROXYBUTYR ALDEHYDE □ OXYBUTANAL □ OXYBUTYRIC ALDEHYDE

### TOXICITY DATA with REFERENCE:

skn-rbt 10 mg/24H MLD JIHTAB 31,60,49

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

eye-rbt 100 mg MLD UCDS\*\* 4/21/67

orl-rat LD50:2180 mg/kg JIHTAB 31,60,49

skn-rbt LD50:140 mg/kg UCDS\*\* 4/21/67

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 6.1; Label: Poison

**SAFETY PROFILE:** Poison via skin contact. Moderately toxic by ingestion. A skin and eye irritant. A flammable liquid and fire hazard when exposed to heat or flame; emits crotonaldehyde and water when heated. See CROTONALDEHYDE. Can react with oxidizing materials.

**AAI000 CAS: 60-35-5 HR: 3**

### ACETAMIDE

mf: C<sub>2</sub>H<sub>5</sub>NO mw: 59.08

**PROP:** Colorless crystals; mousy odor. Mp: 81°, bp: 221.2°, d: 1.159 @ 20°/4°, vap press: 1 mm @ 65°. Decomp in hot water.

**SYNS:** ACETIC ACID AMIDE □ ACETIMIDIC ACID □ AMID KYSELINY OCTOVE (POLISH) □ ETHANAMIDE □ METHANECARBOXAMIDE □ NCI-C02108

### TOXICITY DATA with REFERENCE:

oms-mus/ast 10 pph IDZAAW 51,53,76

otr-ham:emb 1 mg/L IJCNAW 19,642,77

orl-rat LD50:7000 mg/kg JRPFA4 4,219,62

ipr-rat LD50:10,300 mg/kg ARZNAD 20,1242,70

scu-rat LD50:10 g/kg OYYAA2 4,451,70

ivn-rat LD50:12,500 mg/kg NYKZAU 64(1),42S,68

unr-rat LD50:2300 mg/kg ARZNAD 18,645,68

orl-mus LD50:12,900 mg/kg NYKZAU 64(1),42S,68

ipr-mus LD50:1000 mg/kg JJIND8 62,911,79

scu-mus LD50:8300 mg/kg OYYAA2 4,451,70

ivn-mus LD50:10 g/kg NYKZAU 64(1),42S,68

ivn-rbt LD50:7500 mg/kg NYKZAU 64(1),42S,68

ivn-ckn LDLo:33,410 mg/kg ARZNAD 20,1242,70

**CONSENSUS REPORTS:** IARC Cancer Review:

Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 7,389,87. On Community Right-To-Know List. Reported in EPA TSCA Inventory.

**DFG MAK:** Suspected Carcinogen

**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic and neoplastigenic data. Moderately toxic by intraperitoneal and possibly other routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. See also AMIDES. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAI115 CAS: 4715-23-5 HR: 3**

### ACETAMIDE, N-(1,1A,3,3A,4,5,5,5A,5B,6-DECACHLOROOCCTAHYDRO-2-HYDROXY-1,3,4-METHENO-1H-CYCLOBUTA(CD) PENTALEN-2-YL)-

mf: C<sub>12</sub>H<sub>5</sub>Cl<sub>10</sub>NO<sub>2</sub> mw: 549.68

**SYNS:** AI 3-27040 □ ENT 27,040 □ HOOKER HRS-1362 □ HRS-1362

### TOXICITY DATA with REFERENCE:

orl-rat LD50:140 mg/kg ARSIM\* 20,13,1966

**SAFETY PROFILE:** A poison by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Cl<sup>-</sup>.

**AAI110 CAS: 26367-75-9 HR: D**  
**ACETAMIDE, 2,2-DICHLORO-N-(1-(HYDROXY METHYL)-2-(4-NITROPHENYL)-2-OXOETHYL)-, (+-)-**

mf: C<sub>11</sub>H<sub>10</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>5</sub> mw: 321.13

**SYNS:** ACETAMIDE, 2,2-DICHLORO-N-(1-HYDROXYMETHYL)-2-(4-NITROPHENYL)-2-OXOETHYL)- □ ACETAMIDE, 2,2-DICHLORO-N-(α-(HYDROXYMETHYL)-p-NITROPHENACYL)-, (+-)- □ DEHYDROCHLORAMPHENICOL □ (+-)-2,2-DICHLORO-N-(α-(HYDROXYMETHYL)-p-NITROPHENACYL) ACETAMIDE

### TOXICITY DATA with REFERENCE:

dnd-hmn-lym 100 μmol/L MUREAV 320,207,1994

dni-hmn-lym 20 μmol/L MUREAV 320,207,1994

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Cl<sup>-</sup>.

**AAI118 CAS: 103416-59-7 HR: 2**

### ACETAMIDE, 2-(DIETHYLAMINO)-N-(1,3-DIMETHYL-4-(o-FLUOROBENZOYL)-5-PYRAZOLYL)-, MONOHYDROCHLORIDE

mf: C<sub>18</sub>H<sub>23</sub>FN<sub>4</sub>O<sub>2</sub>•ClH mw: 382.91

**SYNS:** 2-(DIETHYLAMINO)-N-(1,3-DIMETHYL-4-(o-FLUORO BENZOYL)-5-PYRAZOLYL)ACETAMIDE HYDROCHLORIDE □ 2-(DIETHYLAMINO)-N-(4-(2-FLUOROBENZOYL)-1,3-DIMETHYL-1H-PYRAZOL-5-YL)ACETAMIDE HYDROCHLORIDE □ PD 109394

### TOXICITY DATA with REFERENCE:

mma-sat 1 μmol/plate CRNGDP 7,2019,86

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of F<sup>-</sup>, NO<sub>x</sub>, and HCl.

**AAI125 CAS: 85723-21-3 HR: 2**  
**ACETAMIDE, N-(4-(2-FLUOROBENZOYL)-1,3-DIMETHYL-1H-PYRAZOL-5-YL)-2-((3-(2-METHYL-1-PIPERIDINYL)PROPYL)AMINO)-,**

**(Z)-2-BUTENEDIOATE (1:2)**mf:  $C_{23}H_{32}FN_5O_2$  mw: 429.60

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

**AAI250 CAS: 59-66-5 HR: 3**  
**5-ACETAMIDE-1,3,4-THIADIAZOLE-2-SULFONAMIDE**
mf:  $C_4H_6N_4O_3S_2$  mw: 222.26

**SYNS:** 2-ACETAMIDO-5-SULFONAMIDO-1,3,4-THIADIAZOLE □ ACETAMIDOTHIADIAZOLESULFONAMIDE □ ACETAMOX □ ACETAZOLAMID □ ACETAZOLAMIDE □ ACETAZOLE AMIDE □ ACETOZALAMIDE □ 2-ACETYLAMINO-1,3,4-THIADIAZOLE-5-SULFONAMIDE □ N-(5-(AMINOSULFONYL)-1,3,4-THIADIAZOL-2-YL)ACETAMIDE □ CARBONIC ANHYDRASE INHIBITOR NO. 6063 □ CIDAMEX □ DEFILTRAN □ DEHYDRATIN □ DIACARB □ DIAKARB □ DIAMOX □ DIDOC □ DILURAN □ DIURAMID □ DIURETICUM-HOLZINGER □ DIUTAZOL □ DONMOX □ EDEMOX □ EUMICTON □ FONURIT □ GLAUPAX □ GLUPAX □ MUIRAMID □ NATRIONEX □ NEPHRAMIDE □ PHONURIT □ N-(5-SULFAMOYL-1,3,4-THIADIAZOL-2-YL)ACETAMIDE □ VETAMOX

**TOXICITY DATA with REFERENCE:**

orl-man TDLo:54 mg/kg/5D-I:PUL AIMDAP 143,1278,83  
 ipr-rat LD50:2750 mg/kg NYKZAU 56(4),134S,60  
 orl-mus LD50:4300 mg/kg ABMGAJ 21,193,68  
 ipr-mus LD50:1175 mg/kg RPTOAN 39,255,76  
 scu-mus LD50:3 mg/kg DRUGAY 6,15,82  
 ivn-mus LD50:3 mg/kg DRUGAY 6,15,82

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by subcutaneous and intravenous routes. Moderately toxic by intraperitoneal route. Human systemic effects by ingestion: dyspnea. An experimental teratogen by many routes. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of  $NO_x$  and  $SO_x$ . A carbonic anhydrase inhibitor and diuretic used to treat glaucoma.

**AAI500 HR: 2**  
**ACETAMIDINE HYDROCHLORIDE**
mf:  $C_2H_6N_2 \cdot HCl$  mw: 94.6

**PROP:** Long, somewhat deliquescent prisms when crystallized from ethanol. Mp: 164°. Sol in water and alc.

**SYNS:**  $\alpha$ -AMINO- $\alpha$ -IMINOETHANE HYDROCHLORIDE □ ETHANAMIDINE HYDROCHLORIDE

**SAFETY PROFILE:** Moderately toxic irritant. When heated to decomposition it emits toxic fumes of  $Cl^-$  and  $NO_x$ .

**AAI750 CAS: 440-58-4 HR: 1**  
**3-ACETAMIDO-5-(ACETAMIDOMETHYL)-2,4,6-TRIIODOBENZOIC ACID**
mf:  $C_{12}H_{11}I_3N_2O_4$  mw: 627.95

**SYNS:** 3-(ACETYLAMINO)-5-(ACETYLAMINO)METHYL-2,4,6-TRIIODOBENZOIC ACID □ AMET (GERMAN) □ AMETRIODINIC ACID □ B-4130 □  $\alpha$ -5-DIACETAMIDO-2,4,6-TRIIODO-m-TOLUIC ACID □ IODAMIDE □ JODAMID

(GERMAN) □ JODOMIRON □ SH 926 □ UROMIRO □ UROMIRON

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:17,900 mg/kg ARZNAD 15,222,65  
 ivn-rat LD50:11,400 mg/kg ARZNAD 15,222,65  
 ivn-mus LD50:10,800 mg/kg MEIEDD 10,725,83  
 ivn-rbt LD50:13,200 mg/kg ARZNAD 15,222,65  
 ipr-gpg LD50:15 g/kg ARZNAD 15,222,65

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

**AAI800 CAS: 72076-47-2 HR: 2**  
**5-ACETAMIDO-1-ACETOXYNAPHTHALENE-2-SULFONIC ACID PYRIDINIUM SALT**
mf:  $C_{14}H_{13}NO_6S \cdot C_5H_5N$  mw: 402.45

**SYNS:** 5-(ACETYLAMINO)-1-(ACETOXY)-2-NAPHTHALENESULFONIC ACID, COMPOUND WITH PYRIDINE (1:1) □ 5-(ACETYLAMINO)-1-(ACETYLOXY)-2-NAPHTHALENE SULFONIC ACID COMPD. WITH PYRIDINE (1:1) □ 2-NAPHTHALENE SULFONIC ACID, 5-(ACETYLAMINO)-1-(ACETYLOXY)-, COMPD. WITH PYRIDINE (1:1) □ PYRIDINE, 5-(ACETYLAMINO)-1-(ACETYLOXY)-2-NAPHTHALENESULFONATE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>3200 mg/kg NTIS\*\* OTS0538011  
 orl-mus LD50:>3200 mg/kg NTIS\*\* OTS0538011

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

**AAJ000 CAS: 53222-14-3 HR: 3**  
**N-(p-(9-(3-ACETAMIDOACRIDINYL)AMINO)PHENYL)METHANESULFONAMIDE**
mf:  $C_{22}H_{20}N_4O_3S$  mw: 420.52**TOXICITY DATA with REFERENCE:**

mno-sat 112  $\mu$ mol/L JMCMAR 23,269,80  
 ipr-mus LD10:19 mg/kg JMCMAR 21,430,78

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of  $NO_x$  and  $SO_x$ .

**AAJ125 CAS: 1713-07-1 HR: 1**  
**3-ACETAMIDO-5-AMINO-2,4,6-TRIIODO BENZOIC ACID**
mf:  $C_9H_7I_3N_2O_3$  mw: 571.88**TOXICITY DATA with REFERENCE:**

mma-sat 1 mg/plate PWPSA8 23,249,80  
 mnt-hmn:lym 40 mg/L RADLAX 129,199,78  
 cyt-hmn:lym 2000 ppm RADLAX 129,199,78  
 ivn-mus LD50:7200 mg/kg JPETAB 116,394,56

**SAFETY PROFILE:** Mildly toxic by intravenous route. Human mutation data reported. When heated to decomposition it emits toxic fumes of  $I^-$  and  $NO_x$ .

**AAJ150 CAS: 89-52-1 HR: 2**  
**2-ACETAMIDOBENZOIC ACID**
mf:  $C_9H_9NO_3$  mw: 179.19

**PROP:** Mp: 184°

**SYNS:** o-ACETAMIDOBENZOIC ACID □ o-ACETOAMINO BENZOIC ACID □ N-ACETYLAMINOBENZOIC ACID □ 2-(ACETYLAMINO)BENZOIC ACID □ ACETYL ANTHRANILIC ACID □ N-ACETYLANTHRANILIC ACID □ ANTHRANILIC ACID, N-ACETYL- □ BENZOIC ACID, 2-(ACETYLAMINO)-(9CI) □ 2-CARBOXYACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1114 mg/kg FRPSAX 38,847,83

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAJ250 CAS: 63906-75-2 HR: 3**  
**2-ACETAMIDO-4,5-BIS-(ACETOXYMERCURI) THIAZOLE**

mf: C<sub>9</sub>H<sub>10</sub>Hg<sub>2</sub>N<sub>2</sub>O<sub>5</sub>S mw: 659.45

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:15 mg/kg CBCCT\* 6,63,54

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

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m<sup>3</sup> (skin)

**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of Hg, NO<sub>x</sub>, and SO<sub>x</sub>. See also MERCURY COMPOUNDS.

**AAJ350 CAS: 3025-96-5 HR: 3**  
**4-ACETAMIDOBUTYRIC ACID**

mf: C<sub>6</sub>H<sub>11</sub>NO<sub>3</sub> mw: 145.18

**PROP:** Mp: 129–131°.

**SYNS:** γ-ACETYLAMINOBUTYRIC ACID □ BUTYRIC ACID, 4-ACETAMIDO- □ DF 469

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:425 mg/kg AIPTAK 145,233,63

**SAFETY PROFILE:** Poison by intravenous route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>

**AAJ500 CAS: 55941-39-4 HR: D**  
**4-ACETAMIDO-4-CARBOXAMIDO-n-(N-NITROSO)BUTYLCYANAMIDE**

mf: C<sub>8</sub>H<sub>13</sub>N<sub>5</sub>O<sub>3</sub> mw: 227.26

**SYN:** ACNBC

**TOXICITY DATA with REFERENCE:**

mno-esc 100 nmol/plate MUREAV 49,9,78

dnr-esc 100 nmol/plate MUREAV 49,9,78

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also N-NITROSO COMPOUNDS.

**AAJ600 CAS: 90015-77-3 HR: D**  
**4-ACETAMIDO-2,7-DIMETHYLDIPYRIDO(1,2-A:3',2'-D)IMIDAZOLE**

mf: C<sub>14</sub>H<sub>14</sub>N<sub>4</sub>O mw: 254.32

**SYNS:** ACETAMIDE, N-(2,7-DIMETHYLDIPYRIDO(1,2-A:3',2'-D)IMIDAZOL-4-YL)- □ N-(2,7-DIMETHYLDIPYRIDO(1,2-A:3',2'-D)IMIDAZOL-4-YL)ACETAMIDE □ SR07

**TOXICITY DATA with REFERENCE:**

mic-sat 10 µLg/plate MUREAV 136,23,1984

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAJ750 CAS: 35629-37-9 HR: 2**  
**2-ACETAMIDO-4,5-DIMETHYLOXAZOLE**

mf: C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub> mw: 154.19

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1600 mg/kg JMC MAR 14,1075,71

ipr-mus LD50:800 mg/kg JMC MAR 14,1075,71

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAK000 CAS: 35629-39-1 HR: 2**  
**2-ACETAMIDO-4,5-DIPHENYLOXAZOLE**

mf: C<sub>17</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub> mw: 278.33

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1000 mg/kg JMC MAR 14,1075,71

ipr-mus LD50:800 mg/kg JMC MAR 14,1075,71

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAK250 CAS: 19293-56-2 HR: 2**  
**4-(2-ACETAMIDOETHYLDITHIO) BUTANE SULFINATE SODIUM**

mf: C<sub>8</sub>H<sub>16</sub>NO<sub>3</sub>S<sub>3</sub>•Na mw: 293.42

**SYN:** SODIUM-4-(2-ACETAMIDOETHYLDITHIO)BUTANE SULFINATE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1050 mg/kg JMC MAR 18,798,75

ipr-mus LD50:694 mg/kg JMC MAR 15,312,72

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, Na<sub>2</sub>O, and SO<sub>x</sub>.

**AAK400 CAS: 19361-41-2 HR: 2**  
**3-ACETAMIDOFLUORANTHENE**

mf: C<sub>18</sub>H<sub>13</sub>NO mw: 259.32

**SYNS:** 3-ACETYLAMINO-FLUORANTHENE □ 3-ACETYLAMINOFLUORANTHENE □ N-FLUORANTHENE-3-YLACETAMIDE □ N-3-FLUORANTHENYLACETAMIDE

**TOXICITY DATA with REFERENCE:**

mna-sat 1 µg/plate NTIS\*\* PB86-213733

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAK500 CAS: 73106-12-4 HR: D**  
**N-(2-ACETAMIDOFLUOREN-1-YL)-N-FLUOREN-2-YL ACETAMIDE**

mf: C<sub>30</sub>H<sub>24</sub>N<sub>2</sub>O<sub>2</sub> mw: 444.53

**SYNS:** 2AAF DIMER □ 1-(N-2'-FLUORENYLACETAMIDO-2-ACETYLAMINO)FLUORENE

**TOXICITY DATA with REFERENCE:**

mma-sat 50 µg/plate DMDSAI 7,296,79

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAK750 CAS: 1068-90-2 HR: 1**  
**ACETAMIDOMALONIC ACID DIETHYL ESTER**

mf: C<sub>9</sub>H<sub>15</sub>NO<sub>5</sub> mw: 217.25

**PROP:** White crystalline powder. Mp: 96–98° (dec.)

**SYN:** DIETHYLESTER KYSELINY ACETYLAMINOMALONOVE (CZECH)

**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg/24H MLD 28ZPAK -,130,72

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** An eye irritant. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also ESTERS.

**AAL000 CAS: 50309-20-1 HR: 2**  
**7-ACETAMIDO-1-METHYL-4-(p-(p-((1-METHYL PYRIDINIUM-4-YL)AMINO)BENZAMIDO) ANILINO)QUINOLINIUM DI-p-TOLUENE SULFONATE**

mf: C<sub>31</sub>H<sub>30</sub>N<sub>6</sub>O<sub>2</sub>•2C<sub>7</sub>H<sub>7</sub>O<sub>3</sub>S mw: 861.07

**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 340 nmol/L JMC MAR 22,134,79

ipr-mus LD10:97 mg/kg JMC MAR 22,134,79

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**AAL250 CAS: 65400-81-9 HR: 2**  
**2-ACETAMIDO-N-(3-METHYL-2-THIAZOLIDINYLIDENE)ACETAMIDE**

mf: C<sub>8</sub>H<sub>13</sub>N<sub>3</sub>O<sub>2</sub>S mw: 215.30

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:936 mg/kg JMC MAR 23,773,80

ivn-mus LD50:408 mg/kg JMC MAR 23,773,80

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**AAL300 CAS: 55123-66-5 HR: 2**  
**(S)-2-(2-ACETAMIDO-4-METHYLVALERAMIDO)-N-(1-FORMYL-4-GUANIDINOBTYL)-4-METHYL-VALERAMIDE**

mf: C<sub>20</sub>H<sub>38</sub>N<sub>6</sub>O<sub>4</sub> mw: 426.64

**SYN:** VALERAMIDE, 2-(2-ACETAMIDO-4-METHYLVALERAMIDO)-N-(1-FORMYL-4-GUANIDINOBTYL)-4-METHYL-(S)-

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAL500 CAS: 24143-08-6 HR: 2**  
**5-ACETAMIDO-3-(5-NITRO-2-FURYL)-6H-1,2,4-OXADIAZINE**

mf: C<sub>9</sub>H<sub>8</sub>N<sub>4</sub>O<sub>5</sub> mw: 252.21

**SYN:** N-(3-(5-NITRO-2-FURYL)-6H-1,2,4-OXADIAZINYL)ACETAMIDE

**TOXICITY DATA with REFERENCE:**

mma-sat 1 µg/plate MUREAV 40,9,76

dnr-sat 500 nmol/well CNREA8 34,2266,74

mno-esc 300 nmol/well CNREA8 34,2266,74

mrc-esc 500 nmol/well CNREA8 34,2266,74

pic-esc 500 µg/L MUREAV 26,3,74

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAL750 CAS: 531-82-8 HR: 3**  
**2-ACETAMIDO-4-(5-NITRO-2-FURYL)THIAZOLE**

mf: C<sub>9</sub>H<sub>7</sub>N<sub>3</sub>O<sub>4</sub>S mw: 253.25

**SYNS:** 2-ACETAMINO-4-(5-NITRO-2-FURYL)THIAZOLE □ 2-ACETYLAMINO-4-(5-NITRO-2-FURYL)THIAZOLE □ N-(4-(5-NITRO-2-FURANYL)-2-THIAZOLYL)ACETAMIDE □ N-(4-(5-NITRO-2-FURYL)-2-THIAZOLYL)ACETAMIDE □ N-(4-(5-NITRO-2-FURYL)THIAZOL-2-YL)ACETAMIDE

**TOXICITY DATA with REFERENCE:**

mma-sat 100 ng/plate MUREAV 40,9,76

dnr-sat 500 nmol/well CNREA8 34,2266,74

mno-esc 300 nmol/well CNREA8 34,2266,74

mrc-esc 500 nmol/well CNREA8 34,2266,74

**CONSENSUS REPORTS:** IARC Cancer Review:

Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 1,181,72; IMEMDT 7,185,74.

**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic, tumorigenic, and neoplastigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.

**AAM000 CAS: 52162-18-2 HR: D**  
**2-ACETAMIDO-5-(NITROSOCYANAMIDO) VALERAMIDE**

mf: C<sub>8</sub>H<sub>13</sub>N<sub>5</sub>O<sub>3</sub> mw: 227.26

**SYN:** ACETYL-L-ARGININE, NITROSATED

**TOXICITY DATA with REFERENCE:**

mno-sat 20 mmol/L GANNA2 65,45,74

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAM250 CAS: 4120-77-8 HR: 2**  
**2-ACETAMIDOPHENANTHRENE**

mf: C<sub>16</sub>H<sub>13</sub>NO mw: 235.30

**SYNS:** 2-ACETAMINOPHENANTHRENE □ 2-ACETYLAMINO PHENANTHRENE □ 2-PHENANTHRYLACETAMIDE □ N-2-

PHENANTHRYLACETAMIDE □ N-(2-PHENANTHRYL) ACETAMIDE

### TOXICITY DATA with REFERENCE:

dnr-ham:fbr 1 µmol/L JNCIAM 54,1287,75

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also AMIDES.

**AAM500 CAS: 35629-38-0 HR: 2**

### 2-ACETAMIDO-4-PHENYLOXAZOLE

mf: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub> mw: 202.23

### TOXICITY DATA with REFERENCE:

orl-mus LD50:800 mg/kg JMCMAR 14,1075,71

ipr-mus LD50:500 mg/kg JMCMAR 14,1075,71

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAM600 CAS: 121-60-8 HR: 3**

### 4-ACETAMIDOPHENYLSULFONYL CHLORIDE

mf: C<sub>8</sub>H<sub>8</sub>ClNO<sub>3</sub>S mw: 233.68

**PROP:** White microcrystalline powder. Mp: 145–148°.

**SYNS:** p-ACETAMIDOPHENYLSULFONYL CHLORIDE □ ACETANILIDE-p-SULFONYL CHLORIDE □ 4-(ACETYLAMINO) BENZENESULFONYL CHLORIDE □ N-ACETYLSULFANILYL CHLORIDE □ N<sup>4</sup>-ACETYLSULFANILYL CHLORIDE □ ASC □ BENZENESULFONYL CHLORIDE, 4-(ACETYLAMINO)- □ p-(CHLOROSULFONYL)ACETANILIDE □ 4-CHLOROSULFONYL ACETANILIDE □ 4-(CHLOROSULFONYL)ACETANILIDE □ DAGENAN CHLORIDE □ SULFANILYL CHLORIDE, N-ACETYL-(6Cl,7Cl,8Cl)

### TOXICITY DATA with REFERENCE:

orl-rat LD50:>3200 mg/kg NTIS\*\* OTS0533583

ipr-rat LD50:25 mg/kg NTIS\*\* OTS0533583

orl-mus LD50:1600 mg/kg NTIS\*\* OTS0533583

ipr-mus LDLo:50 mg/kg NTIS\*\* OTS0533583

**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<sub>x</sub>, SO<sub>x</sub>, and Cl<sup>-</sup>.

**AAM650 CAS: 22755-15-3 HR: D**

### 1-ACETAMIDOPYRENE

mf: C<sub>18</sub>H<sub>13</sub>NO mw: 259.32

**SYNS:** ACETAMIDE, N-1-PYRENYL- □ N-ACETYL-1-AMINOPYRENE □ 1-ACETYLAMINOPYRENE □ N-1-PYRENYLACETAMIDE

### TOXICITY DATA with REFERENCE:

mic-sat 50 ng/plate MUREAV 138,113,1984

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAM680 CAS: 180913-77-3 HR: D**

### 1-ACETAMIDOPYRENE-4,5-QUINONE

mf: C<sub>18</sub>H<sub>11</sub>NO<sub>3</sub> mw: 289.30

**SYNS:** ACETAMIDE, N-(4,5-DIHYDRO-4,5-DIOXO-1-PYRENYL)- □ N-(4,5-DIHYDRO-4,5-DIOXO-1-PYRENYL)ACETAMIDE

### TOXICITY DATA with REFERENCE:

mic-sat 2500 ng/plate MUREAV 369,209,1996

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAM750 CAS: 5221-42-1 HR: 3**

### 4-ACETAMIDOPYRIDINE

mf: C<sub>7</sub>H<sub>8</sub>N<sub>2</sub>O mw: 136.17

**SYNS:** 4-ACETYLAMINOPYRIDINE □ PHILLIPS 2038

### TOXICITY DATA with REFERENCE:

orl-rat LD50:446 mg/kg TXAPA9 21,315,72

orl-bwd LD50:13 mg/kg TXAPA9 21,315,72

**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also AMIDES.

**AAM875 CAS: 85-36-9 HR: 1**

### 3-ACETAMIDO-2,4,6-TRIIODOBENZOIC ACID

mf: C<sub>9</sub>H<sub>6</sub>I<sub>3</sub>NO<sub>3</sub> mw: 556.86

**SYNS:** ACETRIZOIC ACID □ 3-(ACETYLAMINO)-2,4,6-TRIIODOBENZOIC ACID □ ACIDO 3-ACETILAMINO-2,4,6-TRIIODOBENZOICO (ITALIAN)

### TOXICITY DATA with REFERENCE:

unr-rat LD50:9650 mg/kg JAPMA8 42,721,53

orl-mus LD50:20 g/kg FRPSAX 18,33,63

ivn-mus LD50:8000 mg/kg FRPSAX 18,33,63

**SAFETY PROFILE:** Mildly toxic by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of I<sup>-</sup> and NO<sub>x</sub>.

**AAN000 CAS: 129-63-5 HR: 1**  
**3-ACETAMIDO-2,4,6-TRIIODOBENZOIC ACID SODIUM SALT**

mf: C<sub>9</sub>H<sub>5</sub>I<sub>3</sub>NO<sub>3</sub>•Na mw: 578.84

**SYNS:** ACETIODONE □ ACETRIZOATE SODIUM □ ACETRIZOIC ACID SODIUM SALT □ BRONCHOSELECTAN □ CYSTOKON □ DIAGINOL □ FORTOMBRINE-N □ IODOPACT □ IODOPAQUE □ JODOPAX □ MP 1023 □ PYELOKON-FR □ SALPIX □ SODIUM-3-ACETAMIDO-2,4,6-TRIIODOBENZOATE □ SODIUM-3-ACETYLAMINO-2,4,6-TRIIODOBENZOATE □ SODIUM ACETRIZOATE □ THIXOKON □ TRI-ABRODIL □ TRIIODRAST □ TRIODYL □ TRIOTRAST □ 2,4,6-TRIJD-3-ACETAMINO BENZOSAEURE NATRIUM (GERMAN) □ TRIOPAC 200 □ TRIOPAS □ TRIUMBREN □ TRIUROL □ TRIUROPAN □ UROKON SODIUM □ VESAMIN □ VISOTRAST □ VROKON

### TOXICITY DATA with REFERENCE:

ivn-mus LD50:9956 mg/kg JACSAT 74,4365,52

ims-mus LD50:12,156 mg/kg JPETAB 117,307,56

ivn-rat LDLo:7500 mg/kg CLDND\*

ivn-dog LD50:6300 mg/kg JPETAB 116,394,56

ivn-cat LD50:5650 mg/kg CLDND\*

ivn-rbt LD50:5200 mg/kg JPETAB 116,394,56

**SAFETY PROFILE:** Mildly toxic by intravenous route. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, Na<sub>2</sub>O, and HI.

**AAN250 CAS: 100700-23-0 HR: 2**  
**2-((4-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY)**

**BUTOXY)METHYL)BUTYRIC ACID SODIUM SALT**mf:  $C_{17}H_{22}I_3NO_5 \cdot Na$  mw: 724.09**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2200 mg/kg FRPSAX 31,349,76

ivn-mus LD50:610 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAN500 CAS: 101651-76-7 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)ACETIC ACID SODIUM SALT**mf:  $C_{12}H_{12}I_3NO_5 \cdot Na$  mw: 653.94**TOXICITY DATA with REFERENCE:**

orl-mus LD50:9800 mg/kg FRPSAX 31,349,76

ivn-mus LD50:1500 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAN750 CAS: 100700-24-1 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)BUTYRIC ACID SODIUM SALT**mf:  $C_{14}H_{16}I_3NO_5 \cdot Na$  mw: 682.00**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3900 mg/kg FRPSAX 31,349,76

ivn-mus LD50:1320 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAO000 CAS: 102504-51-8 HR: 2  
2-((2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)METHYL)PROPIONIC ACID SODIUM SALT**mf:  $C_{14}H_{16}I_3NO_5 \cdot Na$  mw: 682.00**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5200 mg/kg FRPSAX 31,349,76

ivn-mus LD50:1150 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of  $NO_x$ ,  $Na_2O$ , and  $I^-$ .**AAO250 CAS: 102504-52-9 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)PROPIONIC ACID SODIUM SALT**mf:  $C_{13}H_{14}I_3NO_5 \cdot Na$  mw: 667.97**TOXICITY DATA with REFERENCE:**

orl-mus LD50:9800 mg/kg FRPSAX 31,349,76

ivn-mus LD50:1480 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by intravenous route. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of  $NO_x$ ,  $Na_2O$ , and  $I^-$ .**AAO500 CAS: 101651-77-8 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)-2-(o-TOLYL)ACETIC ACID SODIUM SALT**mf:  $C_{19}H_{18}I_3NO_5 \cdot Na$  mw: 744.07**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3550 mg/kg FRPSAX 31,349,76

ivn-mus LD50:585 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAO750 CAS: 101651-78-9 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)-2-(p-TOLYL)ACETIC ACID SODIUM SALT**mf:  $C_{19}H_{18}I_3NO_5 \cdot Na$  mw: 744.07**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3430 mg/kg FRPSAX 31,349,76

ivn-mus LD50:658 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAP000 CAS: 102584-89-4 HR: 2  
2-(2-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) ETHOXY)VALERIC ACID SODIUM SALT**mf:  $C_{15}H_{18}I_3NO_5 \cdot Na$  mw: 696.03**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2500 mg/kg FRPSAX 31,349,76

ivn-mus LD50:740 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. See also IODIDES. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAP250 CAS: 100700-25-2 HR: 2  
2-((3-(3-ACETAMIDO-2,4,6-TRIIODOPHENOXY) PROPOXY)METHYL)BUTYRIC ACID SODIUM SALT**mf:  $C_{16}H_{20}I_3NO_5 \cdot Na$  mw: 710.06**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3700 mg/kg FRPSAX 31,349,76

ivn-mus LD50:750 mg/kg FRPSAX 31,349,76

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$ ,  $Na_2O$ , and  $NO_x$ .**AAP500 CAS: 23279-53-0 HR: 2  
2-(3-ACETAMIDO-2,4,6-TRIIODOPHENYL) BUTYRIC ACID**mf:  $C_{12}H_{12}I_3NO_3$  mw: 598.95**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2800 mg/kg JMC MAR 13,559,70

ivn-mus LD50:950 mg/kg JMC MAR 13,559,70

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $I^-$  and  $NO_x$ .

**AAP750 CAS: 23217-81-4 HR: 2**  
**2-(3-ACETAMIDO-2,4,6-TRIIODOPHENYL)**  
**PROPICNIC ACID**

mf:  $C_{11}H_{10}I_3NO_3$  mw: 584.92

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3800 mg/kg JMCMA 13,559,70

ivn-mus LD50:1200 mg/kg JMCMA 13,559,70

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $NO_x$  and  $I^-$ .

**AAQ000 CAS: 23217-87-0 HR: 2**  
**2-(3-ACETAMIDO-2,4,6-TRIIODOPHENYL)**  
**VALERIC ACID**

mf:  $C_{13}H_{14}I_3NO_3$  mw: 612.98

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:4000 mg/kg JMCMA 13,559,70

ivn-mus LD50:700 mg/kg JMCMA 13,559,70

**SAFETY PROFILE:** Moderately toxic by ingestion and intravenous routes. See also IODIDES. When heated to decomposition it emits very toxic fumes of  $I^-$  and  $NO_x$ .

**AAQ250 CAS: 2832-40-8 HR: 2**  
**ACETAMINE YELLOW CG**

mf:  $C_{15}H_{15}N_3O_2$  mw: 269.33

**PROP:** Brownish-yellow powder. Mp: 268–270° Solubility in water: <0.1 mg/mL @ 18°, 95% etoh: 1-5 mg/mL @ 22°

**SYNS:** ACETAMIDE, N-(4-((2-HYDROXY-5-METHYLPHENYL)AZO)PHENYL)- □ 4-ACETAMIDO-2'-HYDROXY-5'-METHYLAZOBENZENE □ ACETATE FAST YELLOW G □ ACETOQUINONE LIGHT YELLOW □ ACETOQUINONE LIGHT YELLOW 4JL □ ALTCO SPERSE FAST YELLOW GFN NEW □ AMACEL YELLOW G □ ARTISIL DIRECT YELLOW G □ ARTISIL YELLOW G □ ARTISIL YELLOW 2GN □ CALCOSYN YELLOW GC □ CALCOSYN YELLOW GCN □ CELLITON DISCHARGE YELLOW GL □ CELLITON FAST YELLOW G □ CELLITON FAST YELLOW GA □ CELLITON FAST YELLOW GA-CF □ CELLITON YELLOW G □ CELLUTATE YELLOW GH □ C.I. 11855 □ C.I. 3/11855 □ CIBACETE YELLOW GBA □ CIBACET YELLOW GBA □ CIBACET YELLOW 2GC □ C.I. DISPERSE YELLOW 3 □ CILLA FAST YELLOW G □ C.I. SOLVENT YELLOW 92 □ C.I. SOLVENT YELLOW 99 □ DIACELLITON FAST YELLOW G □ DISPERSE FAST YELLOW G □ DISPERSE YELLOW G □ DISPERSE YELLOW 3 □ DISPERSIVE YELLOW 3T □ DISPERSE YELLOW Z □ DISPERSOL FAST YELLOW G □ DISPERSOL PRINTING YELLOW G □ DISPERSOL YELLOW A-G □ DURGACET YELLOW G □ DUROSPERSE YELLOW G □ EASTONE YELLOW GN □ ESTEROQUINONE LIGHT YELLOW 4JL □ ESTONE YELLOW GN □ FENACET FAST YELLOW G □ FENACET YELLOW G □ GENACRON YELLOW G □ HISPACET FAST YELLOW G □ HISPERSER YELLOW G □ N-(4-((2-HYDROXY-5-METHYLPHENYL)AZO)PHENYL)ACETAMIDE □ 4'-((6-HYDROXY-M-TOLYL)AZO)ACETANILIDE □ INTERCHEM ACETATE YELLOW G □ INTERCHEM DISPERSE YELLOW GH □ INTRASPERSE YELLOW GBA □ INTRASPERSE YELLOW GBA EXTRA □ KAYALON FAST YELLOW G □ KAYASET YELLOW G □ KCA ACETATE FAST YELLOW G □ MICROSETILE YELLOW GR □ MIKETON FAST YELLOW G □ NACELAN FAST YELLOW CG □

NCI-C53781 □ NOVALON YELLOW 2GN □ NYLOQUINONE LIGHT YELLOW 4JL □ NYLOQUINONE YELLOW 4J □ OSTACET YELLOW P2G □ PALACET YELLOW GN □ PALANIL YELLOW G □ PAMACEL YELLOW G-3 □ PERLITON YELLOW G □ RELITON YELLOW C □ RESIREN YELLOW TG □ SAFARITONE YELLOW G □ SAMARON YELLOW PA3 □ SERINYL HOSIERY YELLOW GD □ SERIPLAS YELLOW GD □ SERISOL FAST YELLOW GD □ SETACYL YELLOW G □ SETACYL YELLOW 2GN □ SETACYL YELLOW P-2GL □ SILOTRAS YELLOW TSG □ SUPRACET FAST YELLOW G □ SYNTEN YELLOW 2G □ SYNTON YELLOW 2G □ TERASIL YELLOW GBA EXTRA □ TERASIL YELLOW 2GC □ TERTRANESE YELLOW N-2GL □ TULADISPERSE FAST YELLOW 2G □ VONTERYL YELLOW G □ VONTERYL YELLOW R □ YELLOW RELITON G □ YELLOW Z □ ZLUT DISPERZNI 3 □ ZLUT ROZPOUSTEDLOVA 77

**TOXICITY DATA with REFERENCE:**

mno-sat 10 µg/plate SCIEAS 236,933,87

cyt-frg-par 2800 µL/7D CYTBAI 25,175,79

ipr-rat LD50:8190 mg/kg GISA 53(10),92,88

ipr-mus LD50:8080 mg/kg GISA 53(10),92,88

**CONSENSUS REPORTS:** Community Right-To-Know List. Reported in EPA TSCA Inventory. IARC Cancer Review: Group 3 IMEMDT 48,149,90; Animal Inadequate Evidence IMEMDT 8,97,75; NTP Carcinogenesis Bioassay (feed); Clear Evidence: mouse, rat NTPTR\* NTP-TR-222,82.

**SAFETY PROFILE:** Suspected carcinogen with experimental tumorigenic and carcinogenic data. Low toxicity by intraperitoneal route. An allergen. Mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .

**AAQ500 CAS: 103-84-4 HR: 3**  
**ACETANILIDE**

mf:  $C_8H_9NO$  mw: 135.18

**PROP:** White, shining, crystalline scales. Mp: 113.5°, bp: 305°, flash p: 345°F (OC), d: 1.2105 @ 4°/4°, autoign temp: 1004°F, vap press: 1 mm @ 114.0°, vap d: 4.65. Somewhat sol in water, alc, and eth.

**SYNS:** ACETAMIDE, N-PHENYL- □ ACETAMIDOBENZENE □ ACETANIL □ ACETANILID □ ACETIC ACID ANILIDE □ ACETOANILIDE □ ACETYLAMINOBENZENE □ ACETYLANILINE □ N-ACETYLANILINE □ AN □ ANILINE, N-ACETYL- □ ANTIFEBRIN □ PHENALGENE □ PHENALGIN □ N-PHENYLACETAMIDE □ USAF EK-3

**TOXICITY DATA with REFERENCE:**

mnt-mus-ipr 50 mg/kg JPMSAE 80,761,91

orl-hmn TDLo:14 mg/kg/D:PUL,KID,BLD 34ZIAG - ,62,69

orl-man LDLo:56 mg/kg/H-I:CNS,GIT,MET AJMSA9 122,770,01

orl-man TDLo:405 mg/kg:CNS,PUL JAMAAP 12,103,1889

orl-rat LD50:800 mg/kg JPETAB 54,159,35

ipr-rat LD50:540 mg/kg JAPMA8 48,204,59

orl-mus LD50:1210 mg/kg TXAPA9 19,20,71

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

orl-cat LDLo:250 mg/kg JPMAA3 28,70,39

orl-cat LDLo:250 mg/kg JAPMA8 28,70,39

ivn-cat LDLo:8500 µg/kg JAPMA8 30,91,41

orl-rbt LDLo:1500 mg/kg JPETAB 29,466,63

orl-gpg LDLo:200 mg/kg HBAMAK 4,1290,35

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

**SAFETY PROFILE:** A human poison by an unspecified route. Poison by ingestion and intravenous routes. Moderately toxic by intraperitoneal route. Human systemic effects by ingestion: hallucinations and distorted perceptions, sleepiness, constipation, cyanosis, respiratory stimulation, kidney damage, methemoglobinemia-carboxyhemoglobinemia, and decreased body temperature. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. Combustible when exposed to heat or flame. See also ANILINE.

**AAQ750 CAS: 588-16-9 HR: 2**  
**m-ACETANISIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub> mw: 165.21

**PROP:** Mp: 80–81°.

**SYNS:** ACETO-*m*-ANISIDIDE □ *m*-METHOXYACETANILIDE □ 3-METHOXYACETANILIDE □ 3'-METHOXYACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1100 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAR000 CAS: 93-26-5 HR: 2**  
**o-ACETANISIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub> mw: 165.21

**PROP:** Mp: 87–88°; bp: 303–305°. Very sol in hot water, alc, acetone, and ether.

**SYNS:** o-METHOXYACETANILIDE □ 2-METHOXYACETANILIDE □ 2'-METHOXYACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:940 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAR250 CAS: 51-66-1 HR: 2**  
**p-ACETANISIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub> mw: 165.21

**PROP:** Mp: 127°. Sol in alc, chloroform, and ether.

**SYNS:** ACETO-*p*-ANISIDIDE □ ACETYL-*p*-ANISIDINE □ *p*-METHOXYACETANILIDE □ 4-METHOXYACETANILIDE □ 4'-METHOXYACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1190 mg/kg TXAPA9 19,20,71

unk-rbt LDLo:3000 mg/kg XPHBAO 271,71,41

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion and other unspecified routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AAR500 CAS: 3572-06-3 HR: 2**  
**ACETATE of 4-(HYDROXYPHENYL)-2-BUTANONE**

mf: C<sub>12</sub>H<sub>14</sub>O<sub>3</sub> mw: 206.26

**SYNS:** 4-(*p*-ACETOXYPHENYL)-2-BUTANONE □ ENT 32,833 □ 4-(*p*-HYDROXYPHENYL)-2-BUTANONE ACETATE □ *p*-(3-OXOBUTYL)PHENYL ACETATE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3038 mg/kg TXAPA9 31,421,75

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AAR750 CAS: 63868-93-9 HR: 3**  
**(ACETATO)BIS(HEPTYLOXY)PHOSPHINYL MERCURY**

mf: C<sub>16</sub>H<sub>33</sub>HgO<sub>5</sub>P mw: 537.05

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYN:** (BIS-(HEPTYLOXY)PHOSPHINYL)MERCURY ACETATE

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:63 mg/kg CBCCT\* 8,103,56

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

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Organomercury) TWA 0.01 mg(Hg)/m<sup>3</sup> (skin)

**SAFETY PROFILE:** Poison by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Hg and PO<sub>x</sub>.

**AAS000 CAS: 63868-94-0 HR: 3**  
**(ACETATO)BIS(HEXYLOXY)PHOSPHINYL MERCURY**

mf: C<sub>14</sub>H<sub>29</sub>HgO<sub>5</sub>P mw: 508.99

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYN:** (BIS(HEXYLOXY)PHOSPHINYL)MERCURY ACETATE

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:125 mg/kg CBCCT\* 8,103,56

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

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Organomercury) TWA 0.01 mg(Hg)/m<sup>3</sup> (Skin)

**SAFETY PROFILE:** Poison by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Hg and PO<sub>x</sub>.

**AAS250 CAS: 5421-48-7 HR: 3  
(ACETATO)(DIETHOXYPHOSPHINYL) MERCURY**

mf: C<sub>6</sub>H<sub>13</sub>HgO<sub>5</sub>P mw: 396.75

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYN:** (DIETHOXY-PHOSPHINYL)MERCURY ACETATE

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:7800 µg/kg CBCCT\* 8,103,56

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

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Organomercury) TWA 0.01 mg(Hg)/m<sup>3</sup>

**SAFETY PROFILE:** Poison by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Hg and PO<sub>x</sub>.

**AAS300 CAS: 21109-99-9 HR: 3  
ACETATO(p-(DIETHYLAMINO)PHENYL)  
MERCURY**

mf: C<sub>12</sub>H<sub>17</sub>HgNO<sub>2</sub> mw: 407.89

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYNS:** ANILINE, p-(ACETOXYMERCURY)-N,N-DIETHYL- □ DIETHYLAMINOPHENYLMERCURIC ACETATE □ MERCURY, ACETATO(p-(DIETHYLAMINO)PHENYL)-

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:23 mg/kg JPETAB 31,87,1927

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin)

**NIOSH REL:** (MERCURY, ARYL AND INORGANIC) CL 0.1 mg/m<sup>3</sup> (Sk)

**SAFETY PROFILE:** A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Hg.

**AAS310 CAS: 23332-31-2 HR: 3  
ACETATO(p-(DIMETHYLAMINO)PHENYL)  
MERCURY**

mf: C<sub>10</sub>H<sub>13</sub>HgNO<sub>2</sub> mw: 379.83

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYNS:** ANILINE, p-(ACETOXYMERCURY)-N,N-DIMETHYL- □ DIMETHYLAMINOPHENYLMERCURIC ACETATE □ MERCURY, ACETATO(p-(DIMETHYLAMINO)PHENYL)-

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:28 mg/kg JPETAB 31,87,1927

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin)

**NIOSH REL:** (MERCURY, ARYL AND INORGANIC) CL 0.1 mg/m<sup>3</sup> (Sk)

**SAFETY PROFILE:** A poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Hg.

**AAS500 CAS: 21450-81-7 HR: 3  
(ACETATO)(2,3,5,6-TETRAMETHYLPHENYL)  
MERCURY**

mf: C<sub>12</sub>H<sub>16</sub>HgO<sub>2</sub> mw: 392.87

**PROP:** IDLH 10 mg/m<sup>3</sup> (as Hg).

**SYN:** (2,3,5,6-TETRAMETHYLPHENYL)MERCURY ACETATE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:32 mg/kg CSLNX\* NX#05139

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

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m<sup>3</sup> (skin)

**SAFETY PROFILE:** Poison by intravenous route. See also MERCURY COMPOUNDS. When heated to decomposition it emits toxic fumes of Hg.

**AAS750 CAS: 1424-27-7 HR: 1  
ACETAZOLAMIDE SODIUM**

mf: C<sub>4</sub>H<sub>5</sub>N<sub>4</sub>O<sub>3</sub>S<sub>2</sub>•Na mw: 244.24

**PROP:** Powder fine white. Practically insol in chloroform and ether.

**SYNS:** ACETAZOLAMIDE SODIUM SALT □ SODIUM ACETAZOLAMIDE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:6 g/kg YAKUD5 21,775,79

**SAFETY PROFILE:** An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, Na<sub>2</sub>O, and SO<sub>x</sub>.

**AAT000 CAS: 2047-14-5 HR: 3  
ACETHION AMIDE**

mf: C<sub>6</sub>H<sub>13</sub>NO<sub>3</sub>PS<sub>2</sub> mw: 242.29

**SYN:** β-CARBAMIDOCARBOMETHYL-O,O-DIETHYLDITHIOPHOSPHATE

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:10 mg/kg GISAAA 24,47,59

orl-mus LDLo:40 mg/kg GISAAA 24,47,59

ipr-mus LD50:200 mg/kg JEENAI 51,714,58

orl-rbt LDLo:15 mg/kg GISAAA 24,47,59

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of PO<sub>x</sub>, SO<sub>x</sub>, and NO<sub>x</sub>.

**AAT250 CAS: 64-19-7 HR: 3  
ACETIC ACID**

**DOT:** UN 2789/UN 2790

mf: C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> mw: 60.06

**PROP:** Clear, colorless liquid; pungent odor. Mp: 16.7°, bp: 118.1°, flash p: 109°F (CC), lel: 5.4%, uel: 16.0% @ 212°F, d: 1.049 @ 20°/4°, autoign temp: 869°F, vap press:

11.4 mm @ 20°, vap d: 2.07. Misc in water, alc, and eth. IDLH 50 ppm.

**SYNS:** ACETIC ACID (aqueous solution) (DOT) □ ACETIC ACID, glacial or acetic acid solution, >80% acid, by weight (UN 2790) (DOT) □ ACETIC ACID, GLACIAL □ ACETIC ACID solution, >10% but not >80% acid, by weight (UN 2790) (DOT) □ ACIDE ACETIQUE (FRENCH) □ ACIDO ACETICO (ITALIAN) □ AZIJNZUUR (DUTCH) □ ESSIGSAEURE (GERMAN) □ ETHANOIC ACID □ ETHYLIC ACID □ FEMA No. 2006 □ GLACIAL ACETIC ACID □ METHANECARBOXYLIC ACID □ OCTOWY KWAS (POLISH) □ VINEGAR ACID

#### TOXICITY DATA with REFERENCE:

skn-hmn 50 mg/24H MLD TXAP9 31,481,75  
 skn-rbt 20 mg/24H MOD 85JCAE -304,86  
 skn-rbt 525 mg open SEV UCDS\*\* 8/7/63  
 skn-rbt 50 mg/24H MLD TXAP9 31,481,75  
 eye-rbt 50 µg open SEV AMIHBC 4,119,51  
 eye-rbt 5 mg/30S RNS MLD TXCYAC 23,281,82  
 mmo-esc 300 ppm/3H AMNTA4 85,119,51  
 sln-dmg-ihl 1000 ppm/24H THAGA6 39,330,69  
 sln-dmg-ord 1000 ppm THAGA6 39,330,69  
 cyt-grl-par 40 µmol/L NULSAK 9,119,66  
 ord-hmn TDLo:1470 µg/kg:GIT AIHAAP 33,624,72  
 ihl-hmn TCLo:816 ppm/3M:NOSE,EYE,PUL AMIHAB 21,28,60  
 unk-man LDLo:308 mg/kg 85DCAI 2,73,70  
 ord-rat LD50:3310 mg/kg JIHTAB 23,78,41  
 ihl-rat LCLo:16,000 ppm/4H JIHTAB 23,78,41  
 ihl-mus LC50:5620 ppm/1H MELAAD 48,559,57  
 ivn-mus LD50:525 mg/kg APTOA6 18,141,61  
 ord-rbt LDLo:600 mg/kg CRSBAW 83,136,20  
 skn-rbt LD50:1060 mg/kg UCDS\*\* 8/7/63  
 scu-rbt LDLo:600 mg/kg CRSBAW 83,136,20  
 rec-rbt LDLo:600 mg/kg CRSBAW 83,136,20

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 10 ppm

**ACGIH TLV:** TWA 10 ppm; STEL 15 ppm

**DFG MAK:** 10 ppm (25 mg/m<sup>3</sup>)

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** A human poison by an unspecified route. Moderately toxic by various routes. A severe eye and skin irritant. Can cause burns, lachrymation, and conjunctivitis. Human systemic effects by ingestion: changes in the esophagus, ulceration, or bleeding from the small and large intestines. Human systemic irritant effects and mucous membrane irritant. Experimental reproductive effects. Mutation data reported. A common air contaminant. A flammable liquid. A fire and explosion hazard when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use CO<sub>2</sub>, dry chemical, alcohol foam, foam and mist. When heated to decomposition it emits irritating fumes.

Potentially explosive reaction with 5-azidotetrazole, bromine pentafluoride, chromium trioxide, hydrogen peroxide, potassium permanganate, sodium peroxide, and phosphorus trichloride. Potentially violent reactions with acetaldehyde and acetic anhydride. Ignites on contact with potassium tert-butoxide. Incompatible with chromic acid, nitric acid, 2-amino-ethanol, NH<sub>4</sub>NO<sub>3</sub>, ClF<sub>3</sub>, chlorosulfonic

acid, (O<sub>3</sub> + diallyl methyl carbinol), ethylenediamine, ethylene imine, (HNO<sub>3</sub> + acetone), oleum, HClO<sub>4</sub>, permanganates, P(OCN)<sub>3</sub>, KOH, NaOH, xylene.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #ID-118 or NIOSH: Acetic Acid, 1603.

**AAT500 CAS: 64046-61-3 HR: 3**  
**ACETIC ACID-3-ALLYLOXYALLYL ESTER**

mf: C<sub>8</sub>H<sub>12</sub>O<sub>3</sub> mw: 156.20

#### TOXICITY DATA with REFERENCE:

ord-rat LD50:3730 mg/kg TXAP9 28,313,74

skn-rbt LD50:350 mg/kg TXAP9 28,313,74

**SAFETY PROFILE:** Poison by skin contact. Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

**AAT550 CAS: 108419-32-5 HR: 2**  
**ACETIC ACID, C<sub>7-9</sub>-BRANCHED ALKYL ESTERS,**  
**C<sub>8</sub>-rich**

**PROP:** Flash p: 171F° TCC.

#### TOXICITY DATA with REFERENCE:

ord-rat LD50:5 g/kg FAATDF 13,303,89

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Slightly toxic by ingestion. Experimental reproductive effects. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

**AAU000 CAS: 150-84-5 HR: 1**  
**ACETIC ACID, CITRONELLYL ESTER**

mf: C<sub>12</sub>H<sub>22</sub>O<sub>2</sub> mw: 198.34

**PROP:** Found in oils of Citronella Ceylon, geranium, and about 20 other oils (FCTXAV 11,1011,73). Colorless liquid; fruity odor. D: 0.883–0.893, refr index: 1.440–1.450, flash p: 212°F. Sol in alc and fixed oils; insol in glycerin, propylene glycol, and water @ 229°.

**SYNS:** ACETIC ACID-3,7-DIMETHYL-6-OCTEN-1-YL ESTER □ CITRONELLYL ACETATE (FCC) □ 2,6-DIMETHYL-2-OCTEN-8-OL ACETATE □ 3,7-DIMETHYL-6-OCTEN-1-YL ACETATE □ FEMA No. 2311

#### TOXICITY DATA with REFERENCE:

skn-hmn 20 mg/48H MLD FCTXAV 11,1011,73

skn-rbt 500 mg/24H FCTXAV 11,1011,73

ord-rat LD50:6800 mg/kg FCTXAV 11,1011,73

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mildly toxic by ingestion. A human skin irritant. See also ESTERS. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

**AAU250 CAS: 18461-55-7 HR: 3**  
**ACETIC ACID-4,6-DINITRO-o-CRESYL ESTER**

mf: C<sub>9</sub>H<sub>8</sub>N<sub>2</sub>O<sub>6</sub> mw: 240.19

**SYNS:** 4,6-DINITRO-o-KRESYLESTER KYSELINY OCTOVE (CZECH) □ DNOK-ACETAT (CZECH)

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 28ZPAK -,131,72

eye-rbt 100 mg/24H SEV 28ZPAK -,131,72

ipr-mus LDLo:63 mg/kg CBCCT\* 6,146,54

orl-rat LD50:46 mg/kg 28ZPAK -,131,72

**NIOSH REL:** (Dinitro ortho-Cresyl) TWA 0.2 mg/m<sup>3</sup>**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. A skin and severe eye irritant. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**AAU300 CAS: 25086-89-9 HR: 2  
ACETIC ACID, ETHENYL ESTER, POLYMER with  
1-ETHENYL-2-PYRROLIDINONE**mf: (C<sub>6</sub>H<sub>9</sub>NO•C<sub>4</sub>H<sub>6</sub>O)<sub>x</sub>**PROP:** White powder. D: 1.27. Dispersible in water.**SYNS:** ACETIC ACID VINYL ESTER, POLYMER with 1-VINYL-2-PYRROLIDINONE □ COPOLYVIDON □ E 335 □ E 535 □ GAF-S 630 □ GANEX E 535 □ GANTRON PVP □ GANTRON S 630 □ GANTRON S 860 □ I 535 □ I 635 □ I 735 □ KOLIMA 10 □ KOLIMA 35 □ KOLIMA 75 □ KOLLIDON VA 64 □ LUVISKOL VA 64 □ LUVISKOL VA 37E □ LUVISKOL VA 55E □ LUVISKOL VA 73E □ LUVISKOL VA 28I □ LUVISKOL VA 37I □ LUVISKOL VA 55I □ POLECTRON 845 □ PVP-VA □ PVP/VA COPOLYMER □ PVP-VA-E 735 □ PVP/VA-S 630 □ S 630**TOXICITY DATA with REFERENCE:**

orl-rat LD50:&gt;630 mg/kg JACTDZ 2(5),141,83

**SAFETY PROFILE:** Moderately toxic by ingestion. Combustible, especially in powdered form. Incompatible with strong oxidising agents, strong reducing agents. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**AAU500 CAS: 39920-56-4 HR: 1  
ACETIC ACID-3-HEPTANOL ESTER**mf: C<sub>9</sub>H<sub>18</sub>O<sub>3</sub> mw: 174.27**SYN:** ACETIC ACID-3-HYDROXYHEPTYL ESTER**TOXICITY DATA with REFERENCE:**

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

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:8350 mg/kg AMIHBC 10,61,54

**SAFETY PROFILE:** Mildly toxic by ingestion. A skin and eye irritant. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.**AAU750 CAS: 1516-17-2 HR: 2  
ACETIC ACID-2,4-HEXADIEN-1-OL ESTER**mf: C<sub>8</sub>H<sub>12</sub>O<sub>2</sub> mw: 140.20**PROP:** Fragrance.**SYNS:** 2,4-HEXADIEN-1-OL ACETATE □ 2,4-HEXADIENYL ACETATE □ SORBYL ACETATE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,360,86

eye-rbt 250 µg/24H SEV 85JCAE -,360,86

orl-rat LD50:4360 µL/kg TXAPA9 28,313,74

skn-rbt LD50:2520 µL/kg TXAPA9 28,313,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. See also

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

**AAV250 CAS: 40853-56-3 HR: 1  
ACETIC ACID-2-ISOPROPYL-5-METHYL-2-  
HEXEN-1-YL ESTER**mf: C<sub>12</sub>H<sub>22</sub>O<sub>2</sub> mw: 198.34**PROP:** Fragrance.**SYNS:** ISODIHYDRO LAVANDULYL ACETATE □ 2-ISOPROPYL-5-METHYL-2-HEXEN-1-YL ACETATE □ 5-METHYL-2-(1-METHYLETHYL)-2-HEXEN-1-YL ACETATE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 14,307,76

**SAFETY PROFILE:** A skin irritant. See also ESTERS.

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

**AAV500 CAS: 3610-27-3 HR: 1  
ACETIC ACID, 2-(2-(2-METHOXYETHOXY)  
ETHOXY)ETHYL ESTER**mf: C<sub>9</sub>H<sub>18</sub>O<sub>5</sub> mw: 206.27**PROP:** Liquid. Bp: 130°, flash p: 260°F (OC), d: 1.094, vap d: 7.11.**SYNS:** ETHANOL, 2-(2-(2-METHOXYETHOXY)ETHOXY)-, ACETATE (8CI,9CI) □ 2-(2-(2-METHOXYETHOXY)ETHOXY)ETHANOL ACETATE □ 2-(2-(2-METHOXYETHOXY)ETHOXY)ETHYL ACETATE □ 2-(2-(2-METHOXYETHOXY)ETHOXY)ETHYLESTER KYSELIN Y OCTOVE □ METHOXYTRI GLYCOL ACETATE □ 3,6,9-TRIOXADECYLESTER KYSELIN Y OCTOVE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,714,86

eye-rbt 500 mg AMIHBC 10,61,54

orl-rat LD50:11 g/kg AMIHBC 10,61,54

skn-rbt LD50:8000 mg/kg AMIHBC 10,61,54

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mildly toxic by ingestion and skin contact. An eye irritant. See also ESTERS. Combustible. To fight fire, use alcohol foam, CO<sub>2</sub>, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.**AAW000 CAS: 56856-83-8 HR: 3  
ACETIC ACID METHYLNITROSAMINOMETHYL  
ESTER**mf: C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>3</sub> mw: 132.14**SYNS:** α-ACETOXY DIMETHYLNITROSAMINE □ ACETOXYMETHYL-METHYL-NITROSAMINE (GERMAN) □ ACETOXYMETHYL METHYLNITROSAMINE □ N-α-ACETOXYMETHYL-N-METHYLNITROSAMINE □ 1-ACETOXY-N-NITROSODIMETHYLAMINE □ AMMN □ ANN (GERMAN) □ DMN-OAC □ MAMN □ METHYL(ACETOXYMETHYL) NITROSAMINE □ N-NITROSO-N-(ACETOXY)METHYL-N-METHYLAMINE □ N-NITROSO-N-METHYL-N-ACETOXYMETHYLAMINE**TOXICITY DATA with REFERENCE:**

slt-dmg-par 100 µmol/L CNREA8 35,3780,75

cyt-dmg-par 100 µmol/L CNREA8 35,3780,75

mmo-esc 25 µmol/plate GANNA2 70,663,79  
 orl-rat TDLo:13 mg/kg:CAR JJIND8 63,93,79  
 ipr-rat TDLo:13 mg/kg:CAR JJIND8 63,93,79  
 ivn-rat TDLo:13 mg/kg:ETA JJIND8 63,93,79  
 ipr-mus TDLo:10 mg/kg (11D preg):TER ARTODN  
 52,45,83  
 rec-rat TDLo:12 mg/kg/46W-I:ETA,REP HEGAD4  
 30,30,83  
 ipr-rat LD:13 mg/kg:NEO JJIND8 58,1531,77  
 ipr-rat LD:13 mg/kg:NEO,REP VTPHAK 16,574,79  
 orl-rat LD50:130 mg/kg ONCOBS 38,18,81  
 ipr-rat LD50:25 mg/kg JNCIAM 58,1533,77  
 scu-rat LD50:25 mg/kg ZEKBAI 91,217,78  
 ivn-rat LD50:25 mg/kg ZEKBAI 91,217,78  
 rec-rat LD50:24 mg/kg ZEKBAI 91,217,78

**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes. Experimental teratogenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also NITROSAMINES, N-NITROSO COMPOUNDS, and ESTERS.

**AAW250 CAS: 10476-95-6 HR: 3**  
**ACETIC ACID-2-METHYL-2-PROPENE-1,1-DIOL**  
**DIESTER**

mf: C<sub>8</sub>H<sub>12</sub>O<sub>4</sub> mw: 172.20

**PROP:** Liquid. Bp: 191°

**SYNS:** 2-METHYL-2-PROPENE-1,1-DIOL DIACETATE □ 2-PROPENE-1,1-DIOL, 2-METHYL-, DIACETATE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:440 mg/kg AIHAAP 30,470,69  
 ihl-rat LCLo:62 ppm/1H AIHAAP 30,470,69  
 ipr-mus LDLo:250 mg/kg CBCCT\* 5,61,53  
 skn-rbt LD50:44 mg/kg AIHAAP 30,470,69

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

**SAFETY PROFILE:** Poison by inhalation, skin contact and intraperitoneal routes. Moderately toxic by ingestion. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AAW500 CAS: 1118-39-4 HR: 1**  
**ACETIC ACID MYRCENYL ESTER**

mf: C<sub>12</sub>H<sub>20</sub>O<sub>2</sub> mw: 196.32

**PROP:** Liquid with woody cologne-like odor. Bp: 53° @ 0.5 mm.

**SYNS:** ACETIC ACID-2-METHYL-6-METHYLENE-7-OCTEN-2-YL ESTER □ 3-METHYLENE-7-METHYL-1-OCTEN-7-YL ACETATE □ 2-METHYL-6-METHYLENE-7-OCTEN-2-OL ACETATE □ 2-METHYL-6-METHYLENE-7-OCTEN-2-YL ACETATE □ MYRCENYL ACETATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 14,601,76  
 orl-rat LD50:6300 mg/kg FCTXAV 14(6),601,76

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AAW600 CAS: 63906-42-3 HR: 3**  
**ACETIC ACID, 1-NAPHTHYLOXY-, 2-DIMETHYL**  
**AMINOETHYLESTER, HYDROCHLORIDE**

mf: C<sub>16</sub>H<sub>19</sub>NO<sub>3</sub>•ClH mw: 309.82

**SYN:** 2-DIMETHYLAMINOETHYL 1-NAPHTHYLOXYACETATE HYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:160 mg/kg CRSBAW 153,1914,1959

**SAFETY PROFILE:** A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and HCl.

**AAW750 CAS: 117-98-6 HR: 1**  
**ACETIC ACID-VETIVEROL ESTER**

mf: C<sub>17</sub>H<sub>27</sub>O<sub>2</sub> mw: 263.44

**SYNS:** 1,2,3,3a,4,5,6,8a-OCTAHYDRO-2-ISOPROPYLIDENE-6-AZULENOL-4,8-DIMETHYL ACETATE □ VETIVER ACETATE □ VETIVEROL ACETATE □ VETIVERT ACETATE □ VETIVERYL ACETATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 12,1011,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AAX175 CAS: 9003-22-9 HR: 1**  
**ACETIC ACID, VINYL ESTER, POLYMER with**  
**CHLOROETHYLENE**

mf: (C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>•C<sub>2</sub>H<sub>3</sub>Cl)<sub>n</sub>

**PROP:** White powder with bland odor. D: 1.4

**SYNS:** A 15 (polymer) □ ACETIC ACID ETHENYL ESTER POLYMER with CHLORETHENE (9CI) □ BAKELITE LP 70 □ BAKELITE VLFV □ BAKELITE VMCC □ BAKELITE VYNS □ BREON 351 □ CHLOROETHYLENEVINYL ACETATE POLYMER □ CORVIC 236581 □ DENKALAC 61 □ DIAMOND SHAMROCK 744 □ EXON 450 □ EXON 454 □ GEON 135 □ HOSTAFLEX VP 150 □ LEUCOVYL PA 1302 □ NORVINYL P 6 □ OPALON 400 □ PLIOVAC AO □ POLYVINYL CHLORIDE-POLYVINYL ACETATE □ PVC CORDO □ RHODOPAS 6000 □ SARPIFAN HP 1 □ SCONATEX □ SOLVIC 523KC □ SUMILIT PCX □ TENNUS 0565 □ TYGON □ VAGD □ VINNOL H 10/60 □ VINYL ACETATE-VINYL CHLORIDE COPOLYMER □ VINYL ACETATE-VINYL CHLORIDE POLYMER □ VINYL CHLORIDE-VINYL ACETATE POLYMER □ VINYLITE VYDR 21 □ VLVF □ VMCC □ VYNW

**CONSENSUS REPORTS:** IARC Cancer Review:

Animal Limited Evidence IMEMDT 19,377,79. Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Suspected carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of HCl.

**AAX250 CAS: 9003-20-7 HR: 1**  
**ACETIC ACID VINYL ESTER POLYMERS**

mf:  $(C_4H_6O_2)_n$

**PROP:** Clear, water-white solid resin. Sol in benzene, acetone; insol in water.

**SYNS:** ACETIC ACID ETHENYL ESTER HOMOPOLYMER □ ASAHISOL 1527 □ ASB 516 □ AYAA □ AYAF □ BAKELITE AYAA □ BAKELITE LP 90 □ BASCOREZ □ BOND CH 18 □ BOOKSAVER □ BORDEN 2123 □ CEVIAN A 678 □ D 50 □ DANFIRM □ DARATAK □ DCA 70 □ DUVILAX BD 20 □ ELMER'S GLUE ALL □ EP 1463 □ FORMVAR 1285 □ GELVA CSV 16 □ GOHSENYL E 50 Y □ KURARE OM 100 □ LEMAC 1000 □ MERCKOGEN 6000 □ MOVINYL 114 □ NATIONAL 120-1207 □ POLYVINYL ACETATE (FCC) □ PROTEx (POLYMER) □ RHODOPAS M □ SOVIOL □ SP 60 ESTER □ TOABOND 40H □ UCAR 130 □ VA 0112 □ VINAC B 7 □ VINYL ACETATE HOMOPOLYMER □ VINYL ACETATE POLYMER □ VINYL ACETATE RESIN □ VINYL PRODUCTS R 10688 □ WINACET D

#### TOXICITY DATA with REFERENCE:

orl-rat LD: $>25$  g/kg JACTDZ 11,465,92

orl-mus LD: $>25$  g/kg JACTDZ 11,465,92

**CONSENSUS REPORTS:** IARC Cancer Review:

Animal Inadequate Evidence IMEMDT 19,341,79.

Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Very low toxicity by ingestion.

Questionable carcinogen. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

**AAX500 CAS: 108-24-7 HR: 3**

#### ACETIC ANHYDRIDE

**DOT:** UN 1715

mf:  $C_4H_6O_3$  mw: 102.10

**PROP:** Colorless, very mobile, strongly refractive liquid; very strong, irritating, acetic odor. Mp:  $-73.1^\circ$ , bp:  $139.55^\circ$ , flash p:  $129^\circ F$  (CC), d: 1.082 @  $20^\circ/4^\circ$ , lel: 2.9%, uel: 10.3%, autoign temp:  $734^\circ F$ , vap press: 10 mm @  $36.0^\circ$ , vap d: 3.52. Sltly sol in water; sol in org solvs. Decomp in hot water and hot alc; misc in alc and eth. IDLH 200 ppm.

**SYNS:** ACETANHYDRIDE □ ACETIC ACID, ANHYDRIDE (9CI) □ ACETIC OXIDE □ ACETYL ANHYDRIDE □ ACETYL ETHER □ ACETYL OXIDE □ ANHYDRIDE ACETIQUE (FRENCH) □ ANHYDRID KYSELINY OCTOVE □ ANIDRIDE ACETICA (ITALIAN) □ AZIJNZUURANHYDRIDE (DUTCH) □ ESSIGSAEUREANHYDRID (GERMAN) □ ETHANOIC ANHYDRATE □ OCTOWY BEZWODNIK (POLISH)

#### TOXICITY DATA with REFERENCE:

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

skn-rbt 540 mg open MLD UCDS\*\* 8/7/63

eye-rbt 250  $\mu g$  open SEV AMIHBC 4,119,51

orl-rat LD50:1780 mg/kg AMIHBC 4,119,51

ihl-rat LC50:1000 ppm/4H 34ZIAG -,607,69

skn-rbt LD50:4000 mg/kg UCDS\*\* 8/7/63

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**OSHA PEL:** CL 5 ppm

**ACGIH TLV:** TWA 5 ppm.

**DFG MAK:** 5 ppm (20 mg/ $m^3$ )

**NIOSH REL:** Acetic Anhydride: CL 5 ppm

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** Moderately toxic by inhalation, ingestion, and skin contact. A skin and severe eye irritant. A

flammable liquid. A fire and explosion hazard when exposed to heat or flame. Potentially explosive reactions with barium peroxide, boric acid, chromium trioxide, 1,3-diphenyltriazene, hydrochloric acid + water, hypochlorous acid, nitric acid, perchloric acid + water, peroxyacetic acid, potassium permanganate, tetrafluoroboric acid, 4-toluenesulfonic acid + water, and acetic acid + water. Reactions with ethanol + sodium hydrogen sulfate, and hydrogen peroxide form explosive products. Reactions with ammonium nitrate + hexamethylenetetrammonium acetate + nitric acid form as products the military explosives RDX and HMX. Reacts violently with N-tert-butylphthalimic acid + tetrafluoroboric acid, chromic acid, glycerol + phosphoryl chloride, and metal nitrates (e.g., copper or sodium nitrates). Incompatible with 2-aminoethanol, aniline, chlorosulfonic acid,  $(CrO_3 + \text{acetic acid})$ , ethylenediamine, ethyleneimine, glycerol, oleum, HF, permanganates, NaOH,  $Na_2O_2$ ,  $H_2SO_4$ , water,  $N_2O_2$ , (glycerol + phosphoryl chloride). When heated to decomposition it emits toxic fumes; can react vigorously with oxidizing materials, will react violently on contact with water or steam. Used in production of drugs of abuse. To fight fire, use  $CO_2$ , dry chemical, water mist, alcohol foam. See also ANHYDRIDES.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Acetic Anhydride, 3506.

**AAX750 CAS: 93-29-8 HR: 2**

#### ACETISOEUGENOL

mf:  $C_{12}H_{14}O_3$  mw: 206.26

**PROP:** White crystals; clove odor. Flash p:  $153^\circ F$ . Sol in alc, chloroform, eth; insol in water.

**SYNS:** 4-ACETOXY-3-METHOXY-1-PROPENYLBENZENE □ ACETYLISOEUGENOL □ FEMA No. 2470 □ ISOEUGENOL ACETATE □ ISOEUGENYL ACETATE (FCC) □ 2-METHOXY-4-PROPENYLPHENYL ACETATE

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:3450 mg/kg FCTXAV 13,681,75

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion.

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

**AAY000 CAS: 102-01-2 HR: 2**

#### ACETOACETANILIDE

mf:  $C_{10}H_{11}NO_2$  mw: 177.22

**PROP:** White, crystalline solid. Mp:  $86^\circ$ , bp: decomp, flash p:  $365^\circ F$  (COC), d: 1.260 @  $20^\circ$ , vap press: 0.01 mm @  $20^\circ$ .

**SYNS:** AAN □ ACETANILIDE, 2-ACETYL- □ ACETOACETAMIDOBENZENE □ ACETOACETANILID □ ACETOACETIC ACID ANILIDE □ ACETOACETIC ANILIDE □ ((ACETOACETYL)AMINO)BENZENE □ ACETOACETYL ANILINE □ ACETYLACETANILIDE □  $\alpha$ -ACETYLACET ANILIDE □ N-(ACETYLACETYL)ANILINE □ ANILID KYSELINY ACETOCTOVE □ BUTANAMIDE, 3-OXO-N-PHENYL-(9CI) □  $\beta$ -KETOBUTYRANILIDE □ 3-OXO-N-PHENYLBUTANAMIDE □ N-PHENYLACETOACETAMIDE □ USAF EK-1239

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:5400 mg/kg LONZA# 08FEB79  
 orl-mus LD50:3400 mg/kg GTPZAB 31(1),49,87  
 ipr-mus LD50:300 mg/kg NTIS\*\* AD277-689  
 orl-rbt LD50:3925 mg/kg GTPZAB 31(1),49,87

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. A weak allergen. See also ACETANILIDE. Combustible when exposed to heat or flame. See ANILINE and CYANIDE for disaster hazard. When heated to decomposition it emits toxic NO<sub>x</sub> fumes. To fight fire, use alcohol foam, water mist, CO<sub>2</sub>, dry chemical.

**AAY250 CAS: 101-92-8 HR: 2**  
**ACETOACET-*p*-CHLORANILIDE**

mf: NC<sub>10</sub>H<sub>10</sub>O<sub>2</sub>Cl mw: 211.65

**PROP:** Crystals. Mp: 107°, bp: decomp, flash p: 350°F (COC), d: 1.438 @ 20°, vap press: 0.01 mm @ 20°, vap d: 7.31.

**SYNS:** ACETOACETANILIDE, *p*-CHLORO- □ ACETOACET-*p*-CHLOROANILIDE □ BUTANAMIDE, N-(4-CHLOROPHENYL)-3-OXO-(9CI) □ *p*-CHLOROACETOACETANILIDE □ 4'-CHLOROACETOACETANILIDE □ N-(4-CHLOROPHENYL)-3-OXOBUTANAMIDE

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo 500 mg/kg CBCCT\* 4,225,52

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. See also ACETANILIDE. Combustible when exposed to heat or flame. Dangerous: see ANILINE and CYANIDE. Can react vigorously with oxidizing materials. To fight fire, use water, foam, CO<sub>2</sub>, water mist, dry chemical. When heated to decomposition it emits toxic fumes of Cl<sup>-</sup>, CN<sup>-</sup>, and NO<sub>x</sub>.

**AAY300 CAS: 20139-55-3 HR: 2**  
**ACETOACET-4-CHLORO-2-METHYLANILIDE**

mf: C<sub>11</sub>H<sub>12</sub>ClNO<sub>2</sub> mw: 225.69

**SYNS:** *o*-ACETOACETANISIDIDE, 4'-CHLORO- □ BUTANAMIDE, N-(4-CHLORO-2-METHYLPHENYL)-3-OXO- □ BUTYRANILIDE, 4'-CHLORO-2'-METHYL-3-OXO-

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3500 mg/kg LONZA# 22SEP81

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AAY500 CAS: 10032-00-5 HR: 1**  
**ACETOACETIC ACID-3,7-DIMETHYL-2,6-OCTADIENYL ESTER**

mf: C<sub>13</sub>H<sub>20</sub>O<sub>3</sub> mw: 224.33

**SYN:** GERANYL ACETOACETATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 16,637,78

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

**AAY600 CAS: 93-70-9 HR: 1**  
***o*-ACETOACETOCHLORANILIDE**

mf: C<sub>10</sub>H<sub>10</sub>ClNO<sub>2</sub> mw: 211.66

**PROP:** White crystalline powder. Mp 105–107°, d: 1.192. Insol in water.

**SYNS:** AAoC □ ACETOACETANILIDE, *o*-CHLORO- □ ACETOACETANILIDE, 2'-CHLORO- □ ACETOACET-*o*-CHLORANILIDE □ ACETOACET-*o*-CHLOROANILIDE □ ACETOACETYL-2-CHLOROANILIDE □ BUTANEAMIDE, N-(2-CHLOROPHENYL)-3-OXO- □ *o*-CHLOROACETOACETANILIDE □ 2'-CHLOROACETOACETANILIDE □ N-(2-CHLOROPHENYL)ACETOACETAMIDE □ 3-OXO-N-(2-CHLOROPHENYL)BUTANAMIDE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:11,600 mg/kg LONZA# 10JUL81

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Slightly toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Cl<sup>-</sup>.

**AAY750 CAS: 21282-96-2 HR: 3**  
**2-ACETOACETOXYETHYL ACRYLATE**

mf: C<sub>9</sub>H<sub>12</sub>O<sub>5</sub> mw: 200.21

**SYNS:** ACETOACETIC ACID, 2-HYDROXYETHYL ESTER, ACRYLATE (8CI) □ AKRYLOYLOXYETHYLESTER KYSELINY ACETOCTOVE □ BUTANOIC ACID, 3-OXO-, 2-((1-OXO-2-PROPENYL)OXY)ETHYL ESTER (9CI) □ 2-HYDROXYETHYL ACETOACETATE ACRYLATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 100 mg/24H MOD 85JCAE -,730,86

eye-rbt 20 mg/24H MOD 85JCAE -,730,86

orl-rat LD50:1300 mg/kg TXAPA9 28,313,74

skn-rbt LD50:280 mg/kg TXAPA9 28,313,74

**SAFETY PROFILE:** Poison by skin contact. Moderately toxic by ingestion. A skin and eye irritant. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AAZ000 CAS: 122-82-7 HR: 3**  
**ACETOACET-*p*-PHENETIDIDE**

mf: C<sub>12</sub>H<sub>15</sub>NO<sub>3</sub> mw: 221.28

**PROP:** Crystals. Mp: 108.5°, bp: decomp, flash p: 325°F (OC), d: 1.220 @ 20°, vap press: 0.02 mm @ 20°, vap d: 7.63.

**SYNS:** *p*-ACETOACETOPHENETIDIDE □ 4-ETHOXYACETOACETANILIDE □ 4'-ETHOXYACETOACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:176 mg/kg FRPSAX 19,822,64

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion. See also ACETANILIDE. Combustible. To fight fire, use water,

foam, CO<sub>2</sub>, water spray, mist, dry chemical. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABA000 CAS: 93-68-5 HR: 2**

**ACETOACET-o-TOLUIDIDE**

mf: C<sub>11</sub>H<sub>13</sub>NO<sub>2</sub> mw: 191.25

**PROP:** Crystals. Mp: 106°, bp: decomp, d: 1.300 @ 20°, vap press: 0.01 mm @ 20°, flash p: 320°F (COC).

**SYNS:** 2-ACETOACETYLAMINOTOLUENE □ ACETOACETYL-2-METHYLANILIDE □ 2'-METHYLACETOACETANILIDE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1600 mg/kg KODAK\* -,N-229,76

orl-mus LD50:1600 mg/kg KODAK\* -,N-229,76

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion.

When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABA250 HR: 2**

**ACETOACET-m-XYLIDIDE**

mf: C<sub>12</sub>H<sub>15</sub>O<sub>2</sub>N mw: 205.25

**PROP:** White to light-yellow crystalline solid, sol in water to 0.5% @ 25°. Mp: 89–90°, d: 1.238, flash p: 340°F (OC).

**SYN:** AAMX

**SAFETY PROFILE:** Combustible. To fight fire, use alcohol foam, water spray or mist, dry chemical (multipurpose). When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABA500 CAS: 92-15-9 HR: 2**

**ACETOACETYL-o-ANISIDINE**

mf: C<sub>11</sub>H<sub>13</sub>NO<sub>3</sub> mw: 207.25

**PROP:** Crystals. Mp: 86.6°, flash p: 325°F (OC), d: 1.132 @ 86.6°/20°, vap d: 7.0.

**SYNS:** o-ACETOACETANISIDE □ ACETOACET-o-ANISIDIN (CZECH) □ ACETOACETIC ACID-o-ANISIDIDE □ 2-ACETOACETYLAMINOANISOLE □ ACETOACETYL-o-ANISIDE □ ACETOACETYL-o-ANISINE □ o-METHOXYACETOACETANILIDE □ 2-METHOXYACETOACETANILIDE □ 2'-METHOXYACETOACETANILIDE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 28ZPAK -,116,72

eye-rbt 500 mg/24H MOD 28ZPAK -,116,72

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. Combustible when exposed to heat or flame or oxidizing materials. To fight fire, use CO<sub>2</sub>, mist, dry chemicals.

**ABA750 CAS: 1271-55-2 HR: 3**

**ACETO FERROCENE**

mf: C<sub>12</sub>H<sub>12</sub>FeO mw: 228.09

**PROP:** Orange crystals from heptane. Mp: 85–86°.

**SYNS:** ACETYL FERROCENE □ 1-ACETYL FERROCENE □ FERROCENE, ACETYL- □ MONACETYL FERROCENE

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5 mg/kg EPASR\* 8EHQ-1285-0578

skn-rat LDLo:500 mg/kg EPASR\* 8EHQ-1285-0578

ivn-mus LD50:75 mg/kg CSLNX\* NX#08812

ocu-rbt LDLo:30 mg/kg TOLED5 38,103,87

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by ocular and intravenous routes. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

**ABB000 CAS: 968-81-0 HR: 3**

**ACETOHEXAMIDE**

mf: C<sub>15</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub>S mw: 324.43

**PROP:** Crystals from aq ethanol. Mp: 188–189°.

**SYNS:** 1-(p-ACETYLBENZENESULFONYL)-3-CYCLOHEXYL UREA □ 4-ACETYL-N-((CYCLOHEXYLAMINO)CARBONYL)-BENZENESULFONAMIDE □ CYCLAMIDE □ DIMELIN □ DIMELOR □ DYMELOR □ NCI-CO03247 □ ORDIMEL □ TSIKLAMID

**TOXICITY DATA with REFERENCE:**

unr-wmn TDLo:900 mg/kg (26-39W preg):REP BMJOAE 2,187,64

orl-rat LD50:5000 mg/kg TXAPA9 18,185,71

**CONSENSUS REPORTS:** NCI Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NCITR\* NCI-CG-TR-50,78. Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Human reproductive effects by an unspecified route: stillbirth. Mildly toxic by ingestion. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.

**ABB250 CAS: 546-88-3 HR: 2**

**ACETOHYDROXAMIC ACID**

mf: C<sub>2</sub>H<sub>5</sub>NO<sub>2</sub> mw: 75.08

**PROP:** Hygroscopic crystals. Mp: 89–92°.

**SYNS:** ACETHYDROXAMSAEURE (GERMAN) □ ACETIC ACID, OXIME □ ACETOHYDROXIMIC ACID □ ACETYLHYDROXAMIC ACID □ AHA □ METHYLHYDROXAMIC ACID

**TOXICITY DATA with REFERENCE:**

mno-sat 160 µmol/plate JOPHDQ 3,557,80

dns-rat:lv 5 mmol/L MUREAV 145,201,85

mma-ham:lng 20 mmol/L MUREAV 152,225,85

ipr-mus LD50:1300 mg/kg PSEBAA 92 660,56

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABB500 CAS: 513-86-0 HR: 3**

**ACETOIN**

**DOT:** UN 2621

mf: C<sub>4</sub>H<sub>8</sub>O<sub>2</sub> mw: 88.12

**PROP:** Sltly yellow liquid or crystalline solid; buttery odor. D: 1.016, bp: 147–148°, refr index: 1.417, mp: 15°, flash p: 106°F. Misc with water, alc, propylene glycol; insol in vegetable oil.

**SYNS:** ACETYL METHYL CARBINOL □ 2-BUTANOL-3-ONE □ 2,3-BUTANOLONE □ DIMETHYLKETOL □ FEMA No. 2008 □ 3-

HYDROXY-2-BUTANONE □ 1-HYDROXYETHYL METHYL KETONE □  $\gamma$ -HYDROXY- $\beta$ -OXOBUTANE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD CNREA8 33,3069,73

scu-rat LDLo:14 g/kg FCTXAV 17,509,79

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Experimental reproductive effects.

Mildly toxic by subcutaneous route. A moderate skin irritant. Flammable liquid. When heated to decomposition it emits acrid smoke and fumes. See also KETONES.

**ABC000 CAS: 116-09-6 HR: 2**  
**ACETOL (1)**

mf:  $C_3H_6O_2$  mw: 74.09

$HOCH_2CO \cdot CH_3$

**PROP:** Colorless liquid. D: 1.084 @ 20°/4°, fp: -17° (approx), mp: -7°, bp: 145–146° decomp. Misc in water, alc, and eth.

**SYNS:** HYDROXYACETONE □ 1-HYDROXY-2-PROPANONE

**TOXICITY DATA with REFERENCE:**

mno-sat 500  $\mu$ g/plate ABCHA6 47,2461,83

orl-rat LD50:2200 mg/kg JIHTAB 30,63,48

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. Mutation data reported. An allergen. Implicated in aplastic anemia. A 10 gram dose may be fatal to an adult. Skin contact, inhalation, or ingestion can cause asthma, sneezing, irritation of eyes and nose, hives, and eczema. Combustible when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes.

**ABC250 CAS: 828-00-2 HR: 2**  
**ACETOMETHOXANE**

mf:  $C_8H_{14}O_4$  mw: 174.22

**PROP:** Yellow to amber, clear liquid. D: 1.068–1.075 @ 25°/25°, bp: 66–68° @ 3 mm, fp: <-25°. Sol in water and org solvs. Misc in water.

**SYNS:** ACETIC ACID-2,6-DIMETHYL-m-DIOXAN-4-YL ESTER □ ACETOMETHOXAN □ 6-ACETOXY-2,4-DIMETHYL-m-DIOXANE □ DDOA □ DIMETHOXANE □ 2,6-DIMETHYL-m-DIOXAN-4-OL ACETATE □ 2,6-DIMETHYL-m-DIOXAN-4-YL ACETATE □ DIOXIN (bactericide) (OBS.) □ G1V GARD DXN □ NCI-C56213

**TOXICITY DATA with REFERENCE:**

mma-sat 5500  $\mu$ g/plate ENMUDM 8(Suppl 7),1,86

sln-dmg-par 1 pph ENMUDM 7,677,85

orl-rat LD50:1930 mg/kg GCTB\*\* 3/25/77

orl-mus LDLo:2800 mg/kg NTPTR\* NTP-TR-354,89

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 15,177,77. NTP Carcinogenesis Studies (gavage): Equivocal Evidence: MOUSE NTPTR\* NTP-TR-354,89; (gavage): No Evidence: RAT NTPTR\* NTP-TR-354,89.

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. Moderately toxic by ingestion. Mutation data reported. See also ESTERS. When heated to decomposition it emits acrid smoke and fumes.

**ABC475 CAS: 941-98-0 HR: 2**  
**1'-ACETONAPHTHONE**

mf:  $C_{12}H_{10}O$  mw: 170.22

**PROP:** Crystals. Mp: 34°, bp: 302°, flash p: >230°F, d: 1.120.

**SYNS:** 1-ACETONAPHTHALENE □  $\alpha$ -ACETONAPHTHONE □ 1-ACETONAPHTHONE □ 1-ACETYLNAPHTHALENE □ ETHANONE, 1-(1-NAPHTHALENYL)-(9CI) □ METHYL  $\alpha$ -NAPHTHYL KETONE □ METHYL 1-NAPHTHYL KETONE □  $\alpha$ -METHYL NAPHTHYL KETONE □ 1-(1-NAPHTHALENYL)ETHANONE □  $\alpha$ -NAPHTHYL METHYL KETONE □ 1-NAPHTHYL METHYL KETONE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTOD7 20,755,82

orl-rat LD50:1560 mg/kg FCTOD7 20,755,82

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

**ABC500 CAS: 93-08-3 HR: 2**  
**2'-ACETONAPHTHONE**

mf:  $C_{12}H_{10}O$  mw: 170.22

**PROP:** White needles; orange-blossom odor. Flash p: 264°F, mp: 56°, bp: 301–303°. Sol in fixed oils; sltly sol in propylene glycol; insol in glycerin.

**SYNS:**  $\beta$ -ACETONAPHTHALENE □ ACETONAPHTHONE □  $\beta$ -ACETONAPHTHONE □ 2-ACETONAPHTHONE □  $\beta$ -ACETYLNAPHTHALENE □ 2-ACETYLNAPHTHALENE □ FEMA No. 2723 □ METHYL- $\beta$ -NAPHTHYL KETONE (FCC) □ METHYL-2-NAPHTHYL KETONE □  $\beta$ -METHYL NAPHTHYL KETONE □ 1-(2-NAPHTHALENYL)ETHANONE □  $\beta$ -NAPHTHYL METHYL KETONE □ 2-NAPHTHYL METHYL KETONE □ ORANGE CRYSTALS

**TOXICITY DATA with REFERENCE:**

skn-hmn 100% FCTXAV 13,867,75

orl-mus LD50:599 mg/kg MDZEAK 8,244,67

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Moderately toxic by ingestion. A human skin irritant. Flammable liquid. When heated to decomposition it emits acrid smoke and fumes.

**ABC750 CAS: 67-64-1 HR: 3**  
**ACETONE**

**DOT:** UN 1090/UN 1091

mf:  $C_3H_6O$  mw: 58.09

**PROP:** Volatile, colorless liquid; fragrant mintlike odor. Mp: -94.6°, bp: 56.2° @ 20 mm, refr index: 1.356, flash p: 0°F (CC), lel: 2.6%, uel: 12.8%, d: 0.7972 @ 15°, autoign temp: (color) 869°F, vap press: 240 hPa @ 20°, vap d: 2.00. Misc in water, alc, org solvs, and ether. IDLH 2500 ppm [10% LEL].

**SYNS:** ACETON (GERMAN, DUTCH, POLISH) □ ACETONE OILS (DOT) □ CHEVRON ACETONE □ DIMETHYLFORMALDEHYDE □ DIMETHYLKETAL □ DIMETHYL KETONE □ FEMA No. 3326

□ KETONE, DIMETHYL □ KETONE PROPANE □ β-KETOPROPANE □ METHYL KETONE □ PROPANONE □ 2-PROPANONE □ PYROACETIC ACID □ PYROACETIC ETHER □ RCRA WASTE NUMBER U002

### TOXICITY DATA with REFERENCE:

eye-hmn 500 ppm JIHTAB 25,282,43  
 skn-rbt 395 mg open MLD UCDS\*\* 5/7/70  
 skn-rbt 500 mg/24H MLD 28ZPAK -,42,72  
 eye-rbt 3950 µg SEV AJOPAA 29,1363,46  
 eye-rbt 20 mg/24H MOD 85JCAE -,280,86  
 cyt-smc 200 mmol/tube HERAY 33,457,47  
 sln-smc 47,600 ppm ANYAA9 407,186,83  
 orl-man TDLo:2857 mg/kg 34ZIAG -,64,69  
 orl-man TDLo:2857 mg/kg DIAEAZ 15,810,66  
 ihl-man TCLo:12,000 ppm/4H:CNS AOHYA3 16,73,73  
 ihl-man TDLo:440 µg/m<sup>3</sup>/6M GISAAA 42(8)42,77  
 ihl-man TDLo:10 mg/m<sup>3</sup>/6H GISAAA 42(8)42,77  
 ihl-hmn TCLo:500 ppm:EYE JIHTAB 25,282,43  
 ihl-man TCLo:12,000 ppm/4H:GIT AOHYA3 16,73,73  
 ivn-rat LD50:5500 mg/kg NPIRI\* 1,1,74  
 orl-rat LD50:5800 mg/kg JTEHD6 15,609,85  
 ihl-rat LC50:50,100 mg/m<sup>3</sup>/8H AIHAAP 20,364,59  
 ipr-rat LDLo:500 mg/kg JPPMAB 11,150,59  
 ivn-rat LD50:5500 mg/kg NPIRI\* 1,1,74  
 orl-mus LD50:3000 mg/kg PCJOAU 14,162,80  
 ihl-mus LCLo:110 g/m<sup>3</sup>/1H AGGHAR 5,1,33  
 ipr-mus LD50:1297 mg/kg SCCUR\* -,1,61  
 ivn-mus LDLo:4 g/kg FAONAU 48A,86,70  
 orl-dog LDLo:8 g/kg FAONAU 48A,86,70  
 orl-rbt LD50:5340 mg/kg FAONAU 48A,86,70  
 skn-rbt LD50:20 g/kg UCDS\*\* 5/7/70

**CONSENSUS REPORTS:** On Community Right-To-Know List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 750 ppm; STEL 1000 ppm

**ACGIH TLV:** TWA 500 ppm; STEL 750 ppm; Not Classifiable as a Human Carcinogen; BEI: 50 mg/L acetone in urine at end of shift.

**DFG MAK:** 500 ppm (1200 mg/m<sup>3</sup>)

**NIOSH REL:** (Ketones) 10H TWA 590 mg/m<sup>3</sup>

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Moderately toxic by various routes. A skin and severe eye irritant. Human systemic effects by inhalation: changes in EEG, changes in carbohydrate metabolism, nasal effects, conjunctiva irritation, respiratory system effects, nausea and vomiting, and muscle weakness. Human systemic effects by ingestion: coma, kidney damage, and metabolic changes. Narcotic in high concentration. In industry, no injurious effects have been reported other than skin irritation resulting from its defatting action, or headache from prolonged inhalation. Experimental reproductive effects. A common air contaminant. Highly flammable liquid. Dangerous disaster hazard due to fire and explosion hazard; can react vigorously with oxidizing materials.

Potentially explosive reaction with nitric acid + sulfuric acid, bromine trifluoride, nitrosyl chloride + platinum, nitrosyl perchlorate, chromyl chloride, thiothiazyl perchlorate, and (2,4,6-trichloro-1,3,5-triazine + water). Reacts to form explosive peroxide products with 2-methyl-1,3-butadiene, hydrogen peroxide, and peroxomonosulfuric

acid. Ignites on contact with activated carbon, chromium trioxide, dioxygen difluoride + carbon dioxide, and potassium-tert-butoxide. Reacts violently with bromoform, chloroform + alkalis, bromine, and sulfur dichloride. Incompatible with CrO<sub>3</sub> (nitric + acetic acid), NOCl, nitryl perchlorate, permonosulfuric acid, NaOBr, (sulfuric acid + potassium dichromate), (thio-diglycol + hydrogen peroxide), trichloromelamine, air, HNO<sub>3</sub>, chloroform, and H<sub>2</sub>SO<sub>4</sub>. To fight fire, use CO<sub>2</sub>, dry chemical, alcohol foam. Used in production of drugs of abuse.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #ID-69 or NIOSH: Ketones I (desorption in CS<sub>2</sub>), 1300.

**ABD000 CAS: 57-15-8 HR: 3**

### ACETONE CHLOROFORM

mf: C<sub>4</sub>H<sub>7</sub>Cl<sub>3</sub>O mw: 177.46

**PROP:** Hydrated crystals; camphor odor. Mp: 97° (78° anhyd), bp: 167°.

**SYNS:** ANHYDROUS CHLOROBUTANOL □ CHLOROBUTANOL □ CHLOROBUTOL □ CHLORETONE □ CHLOROBUTANOL □ CLORTRAN □ HCP □ METHAFORM □ SEDAFORM □ TRICHLORO-tert-BUTYL ALCOHOL □ tert-TRICHLOROBUTYL ALCOHOL □ β,β,β-TRICHLORO-tert-BUTYL ALCOHOL □ 1,1,1-TRICHLORO-2-METHYL-2-PROPANOL

### TOXICITY DATA with REFERENCE:

skn-rbt 850 µg MLD XEURAQ MDCC-1715  
 eye-rbt 9180 µg/30S MLD XEURAQ MDCC-1715  
 mmo-sat 20 µmol/plate MUREAV 90,91,81  
 cyt-smc 10 mmol/tube HERAY 33,457,47  
 orl-dog LDLo:238 mg/kg AIPTAK 8,77,01  
 orl-rbt LDLo:213 mg/kg AIPTAK 8,77,01  
 par-frg LDLo:800 mg/kg AIPTAK 8,77,01

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion. A narcotic. A skin and eye irritant. Mutation data reported. See also CHLORAL HYDRATE, which acts similarly. Dangerous; can react with oxidizing materials. Combustible when exposed to heat or flame. When heated to decomposition it emits toxic fumes of Cl<sup>-</sup>. See also PHOSGENE.

**ABD250 CAS: 126-84-1 HR: 3**

### ACETONE DIETHYL KETAL

mf: C<sub>7</sub>H<sub>16</sub>O<sub>2</sub> mw: 132.23

**SYNS:** 2,2-DIETHOXYPROPANE □ USAF DO-44

### TOXICITY DATA with REFERENCE:

ipr-mus LD50:125 mg/kg NTIS\*\* AD277-689

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**ABD500 CAS: 115-24-2 HR: 3**

### ACETONE DIETHYLSULFONE

mf: C<sub>7</sub>H<sub>16</sub>O<sub>4</sub>S<sub>2</sub> mw: 228.35

**PROP:** Crystals. D: 1.183, mp: 124–126°, bp: 300° (sltly decomp). Sol in water, alc, and eth.

**SYNS:** ACETONE BIS(ETHYL SULFONE) □ 2,2-BIS(ETHYLSULFONYL)PROPANE □ DIETHYLSULFON DIMETHYLMETHANE □ PROPANE DIETHYL SULFONE □ SULFONAL □ SULFONMETHANE

**TOXICITY DATA with REFERENCE:**

unk-man LDLo:147 mg/kg 85DCAI 2,73,70  
 orl-dog LDLo:900 mg/kg HBAMAK 4,1404,35  
 orl-rbt LDLo:3000 mg/kg HBAMAK 4,1404,35  
 orl-gpg LDLo:8500 mg/kg HBAMAK 4,1404,35

**SAFETY PROFILE:** A human poison by unspecified route. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of SO<sub>x</sub>.

**ABE000**

**HR: 3**

**ACETONE PEROXIDE**

**PROP:** Shipped as a liquid or absorbed on cornstarch. The trimeric form is crystalline. Mp: 97°.

**SAFETY PROFILE:** Severe skin and eye irritant. Flammable by spontaneous chemical reaction; can react vigorously with reducing materials. The trimeric form is shock-sensitive and static-electricity-sensitive and may detonate.

**ABE250**

**CAS: 110-20-3**

**HR: 3**

**ACETONE SEMICARBAZONE**

mf: C<sub>4</sub>H<sub>9</sub>N<sub>3</sub>O mw: 115.16

**PROP:** Mp: 190–199° (decomp). Sol in cold water; sltly sol in cold alc; insol in eth.

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:90 mg/kg JPETAB 122,110,58

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABE500**

**CAS: 75-05-8**

**HR: 3**

**ACETONITRILE**

**DOT:** UN 1648

mf: C<sub>2</sub>H<sub>3</sub>N mw: 41.06

**PROP:** Colorless liquid; almond-ethereal, aromatic odor. Mp: –45°, bp: 81.1°, flash p: 42°F (COC), d: 0.7868 @ 20°/20°, vap d: 1.42, vap press: 100 mm @ 27°, lel: 4.4%, uel: 16%, autoign temp: 975°F. Misc in water, alc, and org solvs. Immisc in pet eth. IDLH 500 ppm.

**SYNS:** ACETONITRIL (GERMAN, DUTCH) □ CYANOMETHANE □ CYANURE de METHYL (FRENCH) □ ETHANENITRILE □ ETHYL NITRILE □ METHANE CARBONITRILE □ METHANE, CYANO- □ METHYL CYANIDE □ METHYLKYANID □ NCI-C60822 □ RCRA WASTE NUMBER U003 □ USAF EK-488

**TOXICITY DATA with REFERENCE:**

sln-smc 47,600 ppm MUREAV 149,339,85  
 skn-rbt 10 mg/24H JIHTAB 30,63,48  
 skn-rbt 500 mg open MLD UCDS\*\* 3/18/65  
 eye-rbt 20 mg SEV JIHTAB 30,63,48  
 orl-hmn TDLo:570 mg/kg:CNS APTOA6 41,340,77  
 ihl-hmn TCLo:160 ppm/4H 34ZIAG -,65,69  
 orl-rat LD50:2730 mg/kg TXAPA9 19,699,71

ihl-rat LC50:7551 ppm/8H JOCMA7 1,634,59  
 ipr-rat LD50:850 mg/kg JOCMA7 1,634,59  
 scu-rat LD50:3500 mg/kg 85GMAT -,16,82  
 ivn-rat LD50:1680 mg/kg JOCMA7 1,634,59  
 par-rat LD50:1100 mg/kg 85GMAT -,16,82  
 orl-mus LD50:269 mg/kg ARTODN 55,47,84  
 ihl-mus LC50:2693 ppm/1H CTOXAO 18,991,81  
 ipr-mus LD50:175 mg/kg TXAPA9 59,589,81  
 scu-mus LD50:4480 mg/kg 85GMAT -,16,82  
 ihl-dog LCLo:16,000 ppm/4H JOCMA7 1,634,59

**CONSENSUS REPORTS:** On Community Right-To-Know List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 40 ppm; STEL 60 ppm

**ACGIH TLV:** TWA 20 ppm skin; Not Classifiable as a Human Carcinogen.

**DFG MAK:** 40 ppm (70 mg/m<sup>3</sup>)

**NIOSH REL:** (Nitriles) TWA 34 mg/m<sup>3</sup>

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid, Poison

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Moderately toxic by several routes. An experimental teratogen. Other experimental reproductive effects. A skin and severe eye irritant. Human systemic effects by ingestion: convulsions, nausea or vomiting, and metabolic acidosis. Human respiratory system effects by inhalation. Mutation data reported. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Explosion Hazard: See also CYANIDE and NITRILES. When heated to decomposition it emits highly toxic fumes of CN<sup>-</sup> and NO<sub>x</sub>. Potentially explosive reaction with lanthanide perchlorates and nitrogen-fluorine compounds. Exothermic reaction with sulfuric acid at 53°C. Will react with water, steam, acids to produce toxic and flammable vapors. Incompatible with oleum, chlorosulfonic acid, perchlorates, nitrating agents, indium, dinitrogen tetraoxide, N-fluoro compounds (e.g., perfluorourea + acetonitrile), HNO<sub>3</sub>, SO<sub>3</sub>. To fight fire, use foam, CO<sub>2</sub>, dry chemical.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: Acetonitrile, 1606.

**ABE750**

**HR: 3**

**ACETONITRILE IMIDAZOLE-5,7,7,12,14,14-HEXAMETHYL-1,4,8,11-TETRAAZA-4,11-CYCLOTETRADECA DIENE IRON(II) PERCHLORATE**

mf: C<sub>21</sub>H<sub>39</sub>Cl<sub>2</sub>FeN<sub>7</sub>O<sub>8</sub> mw: 644.10

**SAFETY PROFILE:** An unstable and explosive compound. See also IRON COMPOUNDS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>, Cl<sup>-</sup>, and CN<sup>-</sup>.

**ABF000**

**CAS: 127-06-0**

**HR: 2**

**ACETONOXIME**

mf: C<sub>3</sub>H<sub>7</sub>NO mw: 73.11

**PROP:** Crystals. D: 0.97; mp: 60–61°; bp: 134–135°. Very sol in water, alc, and eth. Sol in ligroin eth.

**SYNS:** ACETOXIME □ β-ISONITROSOPROPANE □ 2-PROPANONE OXIME

**TOXICITY DATA with REFERENCE:**

orl-rat LD:>500 mg/kg NCNSA6 5,26,53

ipr-mus LD50:4000 mg/kg JPETAB 119,522,57

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABF500 CAS: 117-52-2 HR: 3**

### 3-(α-ACETONYLFURFURYL)-4-HYDROXYCOUMARIN

mf: C<sub>17</sub>H<sub>14</sub>O<sub>5</sub> mw: 298.31

**PROP:** White powder; practically insol in water, sol in alcs. Mp: 124°.

**SYNS:** COUMAFURYL □ CUMAFURYL (GERMAN) □ FOUMARIN □ 3-(α-FURYL-β-ACETYLAETHYL)-4-HYDROXYCOUMARIN (GERMAN) □ 3-(1-FURYL-3-ACETYLETHYL)-4-HYDROXYCOUMARIN □ KRUMKIL □ RATAFIN □ RAT-A-WAY

#### TOXICITY DATA with REFERENCE:

orl-rat LDLo:400 mg/kg 85GYAZ -,115,71

orl-rat LD50:25 mg/kg FMCHA2 -,D146,80

orl-mus LD50:14,700 µg/kg FMCHA2 -,D146,80

**SAFETY PROFILE:** Poison by ingestion and possibly other routes. See also WARFARIN.

**ABF750 CAS: 152-72-7 HR: 3**

### 3-(α-ACETONYL-p-NITROBENZYL)-4-HYDROXY-COUMARIN

mf: C<sub>19</sub>H<sub>13</sub>NO<sub>6</sub> mw: 353.35

**SYNS:** ACENOCOUMARIN □ ACENOCOUMAROL □ ACENOCOUMAROL □ ACENOKUMARIN □ 3-(α-ACETONYL-p-NITROBENZYL)-4-HYDROXY-COUMARIN □ ASCUMAR □ 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(1-(4-NITROPHENYL)-3-OXOBUTYL)- □ G-23350 □ 4-HYDROXY-3-(1-(4-NITROPHENYL)-3-OXOBUTYL)-2H-1-BENZOPYRAN-2-ONE □ NICOUMALONE □ 3-(α-(p-NITROPHENOL)-β-ACETYLETHYL)-4-HYDROXY COUMARIN □ NITROPHENYLACETYLETHYL-4-HYDROXY COUMARINE □ 3-(α-p-NITROPHENYL-β-ACETYLETHYL)-4-HYDROXYCOUMARIN □ 3-(α-(4'-NITROPHENYL)-β-ACETYLETHYL)-4-HYDROXYCOUMARIN □ NITROVARFARIAN □ NITROWARFARIN □ SINCOUMAR □ SINKUMAR □ SINTHROM □ SINTHROME □ SINTROM □ SINTROMA □ SYNCUMAR □ SYNCUMAR □ SYNTROM □ ZOTIL

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:513 mg/kg 29ZVAB -,3,69

orl-mus LD50:1470 mg/kg THERAP 11,85,56

ipr-mus LD50:115 mg/kg MEIEDD 11,6,89

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. A human teratogen by an unspecified route. When heated to decomposition it emits toxic fumes such as NO<sub>x</sub>. See also WARFARIN.

**ABG000 CAS: 5714-00-1 HR: 3**

### ACETOPHENAZINE

mf: C<sub>23</sub>H<sub>29</sub>N<sub>3</sub>O<sub>2</sub>S•2C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> mw: 643.77

**PROP:** Solid. Mp: 175–178°.

**SYNS:** ACETOPHENAZINE MALEATE □ 2-ACETYL-10-(3-(4-(β-HYDROXYETHYL)PIPERAZINYL)PROPYL)PHENOTHIAZINE □

1-(2-HYDROXYETHYL)-4-(3-(2-ACETYL-10-PHENOTHIAZYL)PROPYL)PIPERAZINE □ 1-(10-(3-(4-(2-HYDROXYETHYL)-1-PIPERAZINYL)PROPYL)-10H-PHENOTHIAZIN-2-YL)ETHAN ONE □ 10-(3-(4-(2-HYDROXYETHYL)-1-PIPERAZINYL)PROPYL)PHENOTHIAZIN-2-YL METHYL KETONE □ SCH 6673 □ TINDAL

#### TOXICITY DATA with REFERENCE:

eye-rbt 112 mg SEV AMIHAB 14,250,56

orl-rat LD50:415 mg/kg 27ZQAG -,11,72

ipr-rat LD50:60 mg/kg 27ZQAG -,11,72

ivn-rat LD50:39 mg/kg 27ZQAG -,11,72

ivn-mus LD50:71 mg/kg CSLNX\* NX#01100

orl-bwd LD50:75 mg/kg TXAPA9 21,315,72

**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. Severe eye irritant. See also KETONES.

**ABG250 CAS: 591-33-3 HR: 2**

### m-ACETOPHENETIDIDE

mf: C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub> mw: 179.24

**PROP:** Plates. Mp: 97–99°.

**SYNS:** m-ETHOXYACETANILIDE □ 3-ETHOXYACETANILIDE □ 3'-ETHOXYACETANILIDE □ N-(3-ETHOXYPHENYL)ACETAMIDE (9CI)

#### TOXICITY DATA with REFERENCE:

orl-mus LD50:1250 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. See also p-ACETOPHENETIDIDE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABG350 CAS: 581-08-8 HR: 2**

### o-ACETOPHENETIDIDE

mf: C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub> mw: 179.24

**SYNS:** ACETAMIDE, N-(2-ETHOXYPHENYL)-(9CI) □ ACETANILIDE, 2'-ETHOXY- □ 2-ETHOXYACETANILIDE □ 2'-ETHOXYACETANILIDE □ N-(2-ETHOXYPHENYL)ACETAMIDE

#### TOXICITY DATA with REFERENCE:

orl-mus LD50:680 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABG750 CAS: 62-44-2 HR: 3**

### p-ACETOPHENETIDIDE

mf: C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub> mw: 179.24

**PROP:** Solid. Mp: 137–138°, bp: 242–245°.

**SYNS:** 1-ACETAMIDO-4-ETHOXYBENZENE □ ACETO-p-PHENALIDE □ p-ACETOPHENETIDE □ ACETO-p-PHENETIDIDE □ ACETOPHENETIDIN □ ACETO-PHENETIDINE □ ACETO-4-PHENETIDINE □ ACETO-PHENETIN □ ACET-p-PHENALIDE □ ACET-p-PHENETIDIN □ ACETPHENETIDIN □ p-ACETPHENETIDIN □ ACETYL-PHENETIDIN □ N-ACETYL-p-PHENETIDINE □ ACHROCIDIN □ ANAPAC □ APC □ ASA COMPOUND □ BROMO SELTZER □ BUFF-A-COMP □ CITRA-FORT □ CODEMPIRAL □ COMMOTIONAL □ CONTRADOL □ CORICIDIN □ CORIFORTE

□ CORYBAN-D □ DAPRISAL □ DARVON COMPOUND □  
 DASIKON □ EMPIRIN COMPOUND □ p-ETHOXYACETANILIDE  
 □ 4-ETHOXYACETANILIDE □ N-p-ETHOXYPHENYL  
 ACETAMIDE □ N-(4-ETHOXYPHENYL) ACETAMIDE □  
 FENACETINA □ FIORINAL □ MELABON □ PARACETO  
 PHENETIDIN □ PERCOBARB □ PERCODAN □ p-PHENACETIN  
 □ RCRA WASTE NUMBER U187 □ SINUTAB □ TETRACYDIN □  
 XARIL □ ZACTIRIN COMPOUND

**TOXICITY DATA with REFERENCE:**

mma-sat:333 µg/plate IARCCD 27,283,80  
 sce-mus-ipr 165 mg/kg JTEHD6 16,355,85  
 unr-man LDLo:74 mg/kg 85DCAI 2,73,70  
 orl-rat LD50:3600 mg/kg ARZNAD 24,600,74  
 ipr-rat LD50:634 mg/kg NYKZAU 62,11,66  
 orl-mus LD50:866 mg/kg ARZNAD 28,1644,78  
 ihl-mus LC50:33,900 mg/m<sup>3</sup> GISAAA 34(10),36,69  
 ipr-mus LD50:540 mg/kg YKKZAJ 81,659,61  
 scu-mus LD50:1625 mg/kg ARZNAD 8,25,58  
 ivn-dog LDLo:260 mg/kg NTIS\*\* PB282-666  
 orl-rbt LD50:2500 mg/kg GTPZAB 21(9),53,77  
 scu-rbt LD50:1 g/kg ARZNAD 21,719,71  
 orl-gpg LD50:1870 mg/kg TXAPAA 9 2,23,60  
 orl-ham LD50:1690 mg/kg PHARAT 8,572,53

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,310,87; Animal Inadequate Evidence IMEMDT 13,141,77; Human Limited Evidence IMEMDT 13,141,77; IMEMDT 24,135,80; Animal Limited Evidence IMEMDT 24,135,80; IMEMDT 24,135,80. Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Confirmed carcinogen producing tumors of the kidney and bladder. A human poison by an unspecified route. Poison by intravenous and possibly other routes. Moderately toxic by several routes. Human systemic effects by ingestion: cyanosis, liver damage, and methemoglobinemia-carboxyhemoglobinemia. Experimental teratogenic data. Other experimental reproductive effects. Mutation data reported. Chronic effects consist of weight loss, insomnia, shortness of breath, weakness, and often aplastic anemia. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABH000 CAS: 98-86-2 HR: 3**  
**ACETOPHENONE**

mf: C<sub>8</sub>H<sub>8</sub>O mw: 120.16

**PROP:** Colorless liquid or plates; sweet, pungent odor. Mp: 19.7°, bp: 202.3°, d: 1.026 @ 20°/4°, vap d: 4.14, vap press: 1 mm @ 15°, autoign temp: 1060°F. Very sol in propylene glycol and fixed oils; sol in alc, chloroform, and eth; sltly sol in water; insol in glycerin.

**SYNS:** ACETYL BENZENE □ BENZOYL METHIDE □ DYMEX □ FEMA No. 2009 □ HYPNONE □ KETONE METHYL PHENYL □ METHYL PHENYL KETONE □ 1-PHENYLETHANONE □ PHENYL METHYL KETONE □ USAF EK-496

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open JIHTAB 26,269,44  
 skn-rbt 515 mg open MLD UCDS\*\* 12/27/71  
 eye-rbt 771 µg SEV AJOPAA 29,1363,46  
 cyt-smc 10 mmol/tube HEREAY 33,457,47

orl-rat LD50:815 mg/kg GTPZAB 26(8),53,82  
 orl-mus LD50:740 mg/kg GTPZAB 26(8),53,82  
 scu-mus LDLo:330 mg/kg HDTU\*\* -,33  
 ipr-mus LD50:200 mg/kg NTIS\*\* AD277-689

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**ACGIH TLV:** 10 ppm.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by intraperitoneal and subcutaneous routes. Moderately toxic by ingestion. A skin and severe eye irritant. Mutation data reported. Narcotic in high concentration. A hypnotic. Flammable liquid. To fight fire, use foam, CO<sub>2</sub>, dry chemical. When heated to decomposition it emits acrid smoke and fumes. See also KETONES.

**ABH150 CAS: 613-91-2 HR: 3**  
**ACETOPHENONE, OXIME**

mf: C<sub>8</sub>H<sub>9</sub>NO mw: 135.18

**PROP:** Mp 58–60°

**SYN:** ETHANONE, 1-PHENYL-, OXIME

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2 g/kg MEXPAG 11,137,64  
 unr-mus LD50:450 mg/kg PCJOAU 12,227,78

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by an unspecified route. Slightly toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABH250 CAS: 2302-93-4 HR: 3**  
**ACETOPHENONE THIOSEMICARBAZONE**

mf: C<sub>9</sub>H<sub>11</sub>N<sub>3</sub>S mw: 193.29

**SYN:** 1-(α-METHYLBENZYLIDENE)THIOSEMICARBAZIDE

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:15 mg/kg NCNSA6 5,43,53  
 ivn-mus LD50:320 mg/kg CSLNX\* NX#01020

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ABH500 CAS: 61-00-7 HR: 3**  
**ACETOPROMAZINE**

mf: C<sub>19</sub>H<sub>22</sub>N<sub>2</sub>OS mw: 326.49

**PROP:** Orange oil. Bp: 208–210° @ 0.08 mm.

**SYNS:** ACEPROMAZINA □ ACEPROMAZINE □ ACEPROMIZINA □ ACETAZINE □ ACETHYLPROMAZIN □ 3-ACETYL-10-(3-DIMETHYLAMINOPROPYL)PHENOTHIAZINE □ ACETHYLPROMAZINE □ ANATRAN □ ANERGAN □ ATRAVET □ ATSETOZIN □ AY-57,062 □ AZEPROMAZINE □ 1522 CB □ 10-(3-DIMETHYLAMINOPROPYL)PHENOTHIAZINE-3-ETHYLONE □ 1-(10-(3-(DIMETHYLAMINO)PROPYL)-10H-PHENOTHIAZIN-2-YL)ETHANONE □ 10-(3-DIMETHYLAMINO PROPYL)PHENOTHIAZIN-3-YLMETHYL KETONE □ LISERGAN □ NOTENQUIL □ NOTENSIL □ NOTESIL □ PLEGECYL □ PLEGICIN □ PLIVAPHEN □ SOPRINTIN □ SOPRONTIN □ SPROTIN □ SV-1522 □ VETRANQUIL □ WY-1172

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:140 mg/kg FATOAO 24,136,61

orl-mus LDLo:200 mg/kg AIPTAK 113,53,57  
 ipr-mus LD50:350 mg/kg RMNIBN 81,105,77  
 scu-mus LD50:130 mg/kg AIPTAK 113,53,57  
 ivn-mus LD50:59 mg/kg AIPTAK 115,1,58

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by ingestion, intravenous, and subcutaneous routes. A flammable liquid. When heated to decomposition it emits toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>. See also KETONES. An animal tranquilizer.

**ABH750 CAS: 1071-73-4 HR: 2**  
**ACETOPROPYL ALCOHOL**

mf: C<sub>5</sub>H<sub>10</sub>O<sub>2</sub> mw: 102.15

**PROP:** Liquid, D: 1.008, bp: 208° @ 730 mm (decomp).

**SYN:** 3-ACETYLPROPANOL

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:6400 mg/kg TNICS\* 13,118,73  
 ihl-rat LC:>2 g/m<sup>3</sup>/4H TNICS\* 13,118,73  
 orl-mus LD50:1960 mg/kg GISAAA 43(8),103,78  
 ihl-mus LC:>2 g/m<sup>3</sup>/4H TNICS\* 13,118,73  
 orl-rbt LDLo:3500 mg/kg GISAAA 43(8),103,78  
 orl-gpg LD50:2260 mg/kg GISAAA 43(8),103,78

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

**ABI000 CAS: 350-03-8 HR: 3**  
**3-ACETOPYRIDINE**

mf: C<sub>7</sub>H<sub>7</sub>NO mw: 121.15

**PROP:** Liquid. Bp: 220°, bp: 106° @ 12 mm. Sol in water.

**SYNS:** β-ACETYL-PYRIDINE □ 3-ACETYL-PYRIDINE □ METHYL-PYRIDYL KETONE □ METHYL-β-PYRIDYL KETONE □ METHYL-3-PYRIDYL KETONE □ PYRIDINE, 3-ACETYL-

**TOXICITY DATA with REFERENCE:**

sln-smc 5000 ppm MUREAV 163,23,86  
 orl-rat LD50:46 µg/kg JACTDZ 1,681,92  
 ipr-mus LD50:182 mg/kg JPMSAE 64,528,75  
 orl-qal LD50:422 mg/kg AECTCV 12,355,83  
 orl-bwd LD50:178 mg/kg AECTCV 12,355,83

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intraperitoneal route. Mutation data reported. A flammable liquid. When heated to decomposition emits toxic fumes of NO<sub>x</sub>. See also KETONES.

**ABI250 CAS: 87-11-6 HR: 3**  
**ACETOPYRROTHINE**

mf: C<sub>8</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub> mw: 228.30

**PROP:** Brilliant-yellow needles from 1-butanol. Mp: 273–276° (decomp), bp: 200 @ 0.1 (subl). Produced by *Streptomyces albus* (ANTCAO 2,357,52).

**SYNS:** 6-ACETAMIDO-4-METHYL-1,2-DITHIOLO(4,3-B)PYRROL-5(4H)-ONE □ 3-ACETAMIDO-5-METHYLPYRROLIN-4-ONE(4,3-D)-1,2-DITHIOLE □ 6-(ACETYLAMINO)-4-METHYL-1,2-DITHIOLO(4,3-B)PYRROL-5(4H)-ONE □ N-(4,5-DIHYDRO-4-METHYL-5-OXO-1,2-DITHIOLO(4,3-B)PYRROL-6-YL)ACETAMIDE □ THIOLUTIN

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:25 mg/kg MEIEDD 10,1338,83  
 scu-mus LD50:25 mg/kg ANTCAO 2,357,52

**SAFETY PROFILE:** Poison by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ABI500 CAS: 88-15-3 HR: 3**  
**2-ACETOTHENONE**

mf: C<sub>6</sub>H<sub>6</sub>OS mw: 126.18

**PROP:** Liquid. D: 1.16 @ 24 mm, mp: 9°, bp: 213–214°.

**SYNS:** 2-ACETOTHIOPHENE □ 2-ACETYLTHIOPHENE

**TOXICITY DATA with REFERENCE:**

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

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by intraperitoneal route. A flammable liquid. When heated to decomposition emits toxic fumes of SO<sub>x</sub>.

**ABI750 CAS: 537-92-8 HR: 2**  
**m-ACETOTOLUIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO mw: 149.21

**PROP:** Mp 65–67°

**SYNS:** 3-ACETAMIDOTOLUENE □ ACETO-m-AMINOTOLUENE

□ ACETOTOLUIDE □ N-ACETYL-m-TOLUIDINE □ m-METHYLACETANILIDE □ 3-METHYLACETANILIDE □ 3'-METHYLACETANILIDE □ m-TOLYLACETAMIDE □ N-m-TOLYLACETAMIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1450 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. See also p-ACETOTOLUIDIDE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABJ000 CAS: 120-66-1 HR: 2**  
**o-ACETOTOLUIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO mw: 149.21

**PROP:** Needles. Mp: 110°, bp: 296°. Sol in C<sub>6</sub>H<sub>6</sub>, CHCl<sub>3</sub>.

**SYNS:** ACETYL-o-TOLUIDINE □ o-ACETOTOLUIDE □ o-METHYLACETANILIDE □ 2-METHYLACETANILIDE □ 2'-METHYLACETANILIDE

**TOXICITY DATA with REFERENCE:**

mma-sat 1 mg/plate NTPTB\* JAN 82  
 mma-sat 47 nmol/plate MUREAV 137,39,84  
 orl-mus LD50:1450 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. Mutation data reported. See also p-ACETOTOLUIDIDE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABJ250 CAS: 103-89-9 HR: 2**  
**p-ACETOTOLUIDIDE**

mf: C<sub>9</sub>H<sub>11</sub>NO mw: 149.21**PROP:** Crystals from alc. Bp: 307°, fp: 335°F (CC), mp: 146°, d: 1.212, vap d: 5.14.**SYNS:** p-ACETAMIDOTOLUENE □ p-ACETOTOLUIDE □ 4-ACETOTOLUIDE □ 4-(ACETYLAMINO)TOLUENE □ N-ACETYL-p-TOLUIDIDE □ ACETYL-p-TOLUIDINE □ p-METHYL ACETANILIDE □ 4-METHYLACETANILIDE □ 4'-METHYL ACETANILIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2640 mg/kg MarjV# 29MAR77

orl-mus LD50:980 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. See also ACETANILIDE. Combustible. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. To fight fire, use water, foam, CO<sub>2</sub>, dry chemical.**ABJ750 CAS: 26541-56-0 HR: 2  
N-ACETOXY-4-ACETAMIDOBIPHENYL**mf: C<sub>16</sub>H<sub>15</sub>NO<sub>3</sub> mw: 269.32**SYNS:** ACETAMIDE, N-(ACETYLOXY)-N-(1,1'-BIPHENYL)-4-YL-(9CI) □ ACETANILIDE, 4-PHENYL-, N-ACETATE (ester) □ ACETIC ACID, (N-ACETYL-N-(4-BIPHENYL)AMINO) ESTER □ ACETIC ACID, ESTER with N-4-BIPHENYLYLACETO HYDROXAMIC ACID □ ACETOHYDROXAMIC ACID, N-(4-BIPHENYLYL)-, ACETATE □ N-ACETOXY-4-ACETYLAMINO BIPHENYL □ N-ACETOXY-4-BIPHENYLACETAMIDE □ N-(ACETYLOXY)-N-(1,1'-BIPHENYL)-4-YLACETAMIDE □ N-(4-BIPHENYLYL)ACETOHYDROXAMIC ACETATE □ N-(4-BIPHENYLYL)ACETOHYDROXAMIC ACID ACETATE □ N,O-DIACETYL-N-(4-BIPHENYLYL)HYDROXYL AMINE**TOXICITY DATA with REFERENCE:**

mmo-sat 25 µg/plate CBINA8 26,11,79

mma-sat 1 µg/plate CBINA8 26,11,79

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. See also ESTERS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABK000 CAS: 64058-72-6 HR: 2  
ACETOXY(2-ACETAMIDO-5-NITROPHENYL)  
MERCURY**mf: C<sub>10</sub>H<sub>10</sub>HgN<sub>2</sub>O<sub>5</sub> mw: 438.81**SYN:** 2'-(ACETOXYMERCURY)-4'-NITROACETANILIDE**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:500 mg/kg NCNSA6 5,8,53

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m<sup>3</sup> (skin)**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. See also MERCURY COMPOUNDS. When heated to decomposition it emits very toxic fumes of Hg and NO<sub>x</sub>.**ABK250 CAS: 26541-57-1 HR: 2  
N-ACETOXY-2-ACETAMIDOPHENANTHRENE**mf: C<sub>18</sub>H<sub>15</sub>NO<sub>3</sub> mw: 293.34**SYNS:** ACETIC ACID (N-ACETYL-N-(2-PHENANTHRYL) AMINO) ESTER □ ACETIC ACID ESTER with N-(2-PHENANTHRYL) ACETOHYDROXAMIC ACID □ N-ACETOXY-2-ACETYLAMINOPHENANTHRENE □ N-ACETOXY-4-PHENANTHRYLACETAMIDE □ N-(2-PHENANTHRYL)ACETOHYDROXAMIC ACETATE**TOXICITY DATA with REFERENCE:**

mmo-bcs 14 mol CNREA8 30,1473,70

oms-bcs 10 g/L CNREA8 30,1473,70

dns-hmn:fbr 10 mmol/L/5H IJCNAW 16,284,75

mmo-sat 5 µg/plate CBINA8 26,11,79

mma-sat 50 ng/plate CBINA8 26,11,79

dnd-mam:lym 625 mg/L CNREA8 35,1416,75

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Human mutation data reported. See also ESTERS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABL000 CAS: 6098-44-8 HR: 2  
N-ACETOXY-N-ACETYL-2-AMINOFLUORENE**mf: C<sub>17</sub>H<sub>15</sub>NO<sub>3</sub> mw: 281.33**SYNS:** ACETIC ACID (N-ACETYL-N-(2-FLUORENYL)AMINO) ESTER □ N-ACETOXY-2-ACETAMIDOFLUORENE □ N-ACETOXY-2-ACETYLAMINOFLUORENE □ N-ACETOXY-2-FLUORENYLACETAMIDE □ N-(FLUOREN-2-YL)ACETOHYDROXAMIC ACETAMIDE**TOXICITY DATA with REFERENCE:**

mma-sat 1500 ng/plate CBINA8 54,71,85

sce-ham:oth 1800 nmol/L CRNGDP 6,1627,85

dns-hmn:lym 10 µmol/L CALEDQ 2,311,77

dns-hmn:leu 10 µmol/L CRNGDP 1,547,80

dni-hmn:hla 100 µmol/L/30M-C JEPTDQ 2(1),65,78

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and neoplastigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABL250 CAS: 26488-34-6 HR: 2  
trans-N-ACETOXY-4-ACETYL-AMINOSTILBENE**mf: C<sub>18</sub>H<sub>17</sub>NO<sub>3</sub> mw: 295.36**SYN:** trans-N,o-DIACETYL-N-(p-STYRYLPHENYL)HYDROXYLAMINE**TOXICITY DATA with REFERENCE:**

mrc-smc 10 ppm ZEKBAI 74,412,70

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABL500 CAS: 3061-65-2 HR: 3  
2-ACETOXYACRYLONITRILE**mf: C<sub>5</sub>H<sub>5</sub>NO<sub>2</sub> mw: 111.11

**SYNS:**  $\alpha$ -ACETOXYACRYLONITRILE  $\square$   $\alpha$ -CYANOVINYL ACETATE

**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:100 mg/kg AIHAAP 23,95,62

ihl-rat LCLo:125 ppm/4H AIHAAP 23,95,62

skn-rbt LD50:140 mg/kg AIHAAP 23,95,62

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

**SAFETY PROFILE:** Poison by inhalation, ingestion, and skin contact. A skin irritant. See also NITRILES. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$  and  $\text{CN}^-$ .

**ABL625 CAS: 95282-98-7 HR: D**  
**19-ACETOXY- $\Delta^{1,4}$ -ANDROSTADIENE-3,17-DIONE**

mf:  $\text{C}_{21}\text{H}_{26}\text{O}_4$  mw: 342.47

**SYNS:** 3,17-DIONE-19-ACETOXY- $\Delta^{(1,3)}$ -ANDROSTADIENE  $\square$  19-HYDROXYANDROSTA-1,4-DIENE-3,17-DIONE ACETATE

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

**ABL650 CAS: 34618-17-2 HR: D**  
**3-ACETOXY-8-AZAXANTHINE**

**SYNS:** 4-(ACETYLOXY)-1H-1,2,3-TRIAZOLO(4,5-D)PYRIMIDINE-5,7-(4H,6H)-DIONE  $\square$  1H-1,2,3-TRIAZOLO(4,5-D)PYRIMIDINE-5,7-(4H,6H)-DIONE, 4-(ACETYLOXY)-

**TOXICITY DATA with REFERENCE:**

uns-bcs 140 g/L CNREA8 34,378,1974

mic-bcs 140 g/L CNREA8 34,378,1974

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $\text{NO}_x$  and  $\text{SO}_x$ .

**ABL750 CAS: 53555-67-2 HR: D**  
**6-ACETOXY-BENZO(a)PYRENE**

**PROP:** Mp: 208.5–209.5°.

**SYN:** BENZO(a)PYRENE-6-YL ACETATE

**TOXICITY DATA with REFERENCE:**

otr-ham:emb 2500  $\mu\text{g}/\text{L}$  CBINA8 13,105,76

dnd-ham:emb 1250  $\mu\text{g}/\text{L}/18\text{H}$  CBINA8 13,105,76

dns-ham:emb 10  $\mu\text{g}/\text{L}/18\text{H}$  CBINA8 13,105,76

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

**ABL875 CAS: 70490-99-2 HR: D**  
**N- $\alpha$ -ACETOXYBENZYL-N-BENZYLNITROSAMINE**

mf:  $\text{C}_{16}\text{H}_{16}\text{N}_2\text{O}_3$  mw: 284.34

**SYNS:**  $\alpha$ -ACETOXY-N-NITROSODIBENZYLAMINE  $\square$  N-BENZYL-N-( $\alpha$ -ACETOXYBENZYL)NITROSAMINE  $\square$   $\alpha$ -(BENZYLNITROSAMINO)BENZYL ALCOHOL ACETATE (ester)  $\square$   $\alpha$ -(NITROSO(PHENYLMETHYL)AMINO)-BENZENEMETHANOL ACETATE (ester)

**TOXICITY DATA with REFERENCE:**

mno-sat 100 nmol/plate CALEDQ 6,83,79

mno-ham:lng 10  $\mu\text{mol}/\text{L}$  GANNA2 73,517,82

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ . See also NITROSAMINES and ESTERS.

**ABM000 HR: 2**  
**3- $\beta$ -ACETOXY-BIS NOR- $\Delta^5$ -CHOLENIC ACID**

mf:  $\text{C}_{24}\text{H}_{36}\text{O}_4$  mw: 388.60

**SYN:** 3- $\beta$ -ACETOXYPREGN-6-ENE-20-CARBOXYLIC ACID

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

**ABM250 CAS: 1515-76-0 HR: 3**  
**1-ACETOXY-1,3-BUTADIENE**

mf:  $\text{C}_6\text{H}_8\text{O}_2$  mw: 112.14

**PROP:** Liquid.

**SYN:** ACETIC ACID-1,3-BUTADIENYL ESTER

**TOXICITY DATA with REFERENCE:**

skn-rbt 100  $\mu\text{g}/24\text{H}$  open AIHAAP 23,95,62

orl-rat LDLo:710 mg/kg AIHAAP 23,95,62

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

skn-rbt LD50:420 mg/kg AIHAAP 23,95,62

**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by other routes. A skin irritant. Mutation data reported. When heated to decomposition it emits acrid smoke.

**ABM500 CAS: 70103-79-6 HR: D**  
**N-(4-ACETOXYBUTYL)-N-(ACETOXYMETHYL) NITROSAMINE**

mf:  $\text{C}_9\text{H}_{16}\text{N}_2\text{O}_5$  mw: 232.24

**SYNS:** ABAMN  $\square$  ACETIC ACID-4-((ACETOXYMETHYL)NITROSAMINO)BUTYL ESTER

**TOXICITY DATA with REFERENCE:**

mno-sat 50 nmol/plate GANNA2 71,124,80

mno-esc 1  $\mu\text{mol}/\text{plate}$  GANNA2 71,124,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ . See also NITROSAMINES and ESTERS.

**ABN000 CAS: 2885-39-4 HR: 3**  
**ACETOXYCYCLOHEXIMIDE**

mf:  $\text{C}_{17}\text{H}_{25}\text{NO}_6$  mw: 339.43

**PROP:** Crystals. Mp: 140°.

**SYNS:** ACETYLOXYCYCLOHEXIMIDE  $\square$  3-(2-(5-ACETOXY-3,5-DIMETHYL-2-OXOCYCLOHEXYL)-2-

HYDROXYETHYL)GLUTARIMIDE  $\square$  AXM  $\square$  E-73 ACETATE  $\square$

NSC-32743  $\square$  STREPTOVITACIN E 73

**TOXICITY DATA with REFERENCE:**

oms-hmn:hla 29  $\mu\text{mol}/\text{L}$  BCPA6 14,205,65

dni-hmn:hla 1  $\mu\text{mol}/\text{L}$  BCPA6 14,205,65

orl-rat LD50:158  $\mu\text{g}/\text{kg}$  JPETAB 136,400,62

ipr-rat LD50:170  $\mu\text{g}/\text{kg}$  JPETAB 136,400,62

scu-rat LD50:190  $\mu\text{g}/\text{kg}$  JPETAB 136,400,62

ipr-mus LD50:19 mg/kg JPETAB 136,400,62

ivn-dog LDLo:920  $\mu\text{g}/\text{kg}$  JPETAB 136,400,62

**SAFETY PROFILE:** Deadly poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes.

Human mutation data reported. When heated to decomposition it emits toxic fumes such as NO<sub>x</sub>.

**ABN250 CAS: 24684-58-0 HR: 2**  
**11-ACETOXY-15-DIHYDROCYCLOPENTA(a)**  
**PHENANTHRACEN-17-ONE**

mf: C<sub>19</sub>H<sub>14</sub>O<sub>3</sub> mw: 290.33

**SYN:** 11-HYDROXY-15,16-DIHYDROCYCLOPENTA(a)  
 PHENANTHRACEN-17-ONE ACETATE (ESTER)

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

**ABN500 CAS: 38539-23-0 HR: 2**  
**1-ACETOXY-1,4-DIHYDRO-4-(HYDROXYAMINO)**  
**QUINOLINE ACETATE (ESTER)**

mf: C<sub>13</sub>H<sub>13</sub>N<sub>2</sub>O<sub>4</sub> mw: 261.28

**SYN:** O,O'-DIACETYL 4-HYDROXYAMINOQUINOLINE-1-OXIDE

**TOXICITY DATA with REFERENCE:**

mmo-smc 50 mg/L IGSBAL 85,127,72

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and neoplastigenic data. Mutation data reported. See also ESTERS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABN625 HR: 3**  
**1-ACETOXYDIMERCURIO-1-PERCHLORATO**  
**DIMERCURIOPROPEN-2-ONE**

mf: C<sub>4</sub>H<sub>3</sub>ClHg<sub>4</sub>O<sub>7</sub> mw: 1000.84

(CH<sub>2</sub>COOH)OHgHgC(:C:O)HgHgOCIO<sub>3</sub>

**SAFETY PROFILE:** Dangerously explosive. When heated to decomposition it emits toxic fumes of Hg and Cl<sup>-</sup>. See also MERCURY COMPOUNDS; PERCHLORATES; and EXPLOSIVES.

**ABN700 CAS: 66827-45-0 HR: 3**  
**β-ACETOXY-N,N-DIMETHYLPHENETHYLAMINE**

mf: C<sub>12</sub>H<sub>17</sub>NO<sub>2</sub> mw: 207.30

**SYNS:** ACETIC ACID-α-(DIMETHYLAMINOMETHYL)BENZYL  
 ESTER □ β-ACETYLOXY-β-PHENYLETHYL DIMETHYLAMINE □  
 N,N-DIMETHYL-β-ACETOXY β-PHENYLETHYLAMINE

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:310 mg/kg EJMA5 13,277,78

scu-mus LDLo:722 mg/kg AIPTAK 47,96,34

ivn-rbt LDLo:72 mg/kg AIPTAK 47,96,34

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also AMINES and ESTERS.

**ABN725 CAS: 61691-82-5 HR: 2**  
**1'-ACETOXYESTRAGOLE**

mf: C<sub>12</sub>H<sub>14</sub>O<sub>3</sub> mw: 206.26

**SYN:** p-METHOXY-α-VINYLBENZYL ALCOHOL ACETATE (ester)

**TOXICITY DATA with REFERENCE:**

mmo-sat 200 nmol/plate CRNGDP 7,2089,86

dnd-hmn:fbr 500 μmol/L CRNGDP 3,935,82

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. Human mutation data reported. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS.

**ABN750 CAS: 70103-77-4 HR: D**  
**N-(2-ACETOXYETHYL)-N-(ACETOXYMETHYL)**  
**NITROSAMINE**

mf: C<sub>7</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub> mw: 204.20

**SYNS:** ACETIC ACID-2-

((ACETOXYMETHYL)NITROSAMINO)ETHYL ESTER □ AEAMN

**TOXICITY DATA with REFERENCE:**

mmo-sat 1 μmol/plate GANNA2 71,124,80

mrc-bcs 100 nmol/plate GANNA2 71,124,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also NITROSAMINES and ESTERS.

**ABN800 CAS: 15568-57-7 HR: 3**  
**N-(2-ACETOXYETHYL)-N-ETHYLACETAMIDE**

mf: C<sub>8</sub>H<sub>15</sub>NO<sub>3</sub> mw: 173.24

**SYNS:** ACETAMIDE, N-(2-ACETOXYETHYL)-N-ETHYL- □  
 ACETIC ACID, (2-(N-ETHYLACETAMIDO)ETHYL) ESTER

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:20,800 μL/kg AIHAAP 30,470,69

skn-rbt LD50:>10 mL/kg AIHAAP 30,470,69

**SAFETY PROFILE:** A poison by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABO000 CAS: 60-31-1 HR: 3**  
**2-ACETOXYETHYLTRIMETHYLAMMONIUM**  
**CHLORIDE**

mf: C<sub>7</sub>H<sub>16</sub>NO<sub>2</sub>•Cl mw: 181.69

**PROP:** Deliquescent crystals, powder. Mp: 149–152°.

**SYNS:** ACECOLINE □ ACETYLCOLINE CHLORIDE □  
 ACETYLCOLINE HYDROCHLORIDE □ ACETYLCOLINIUM  
 CHLORIDE □ 2-(ACETYLOXY)-N,N,N-TRIMETHYLETHAN  
 AMINIUM CHLORIDE □ ACH CHLORIDE □ ARTEROCOLINE □  
 CHOLINE CHLORIDE ACETATE □ (2-HYDROXYETHYL)  
 TRIMETHYLAMMONIUM CHLORIDE ACETATE □ OVISOT □ TL  
 1505

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2500 mg/kg JPETAB 58,337,36

scu-rat LD50:250 mg/kg JPETAB 58,337,36

ivn-rat LD50:22 mg/kg JPETAB 58,337,36

orl-mus LD50:3000 mg/kg JPETAB 58,337,36

scu-mus LD50:170 mg/kg JPETAB 58,337,36

ivn-mus LD50:10 mg/kg JPETAB 119,541,57

par-frg LDLo:200 mg/kg AEPPAE 166,437,32

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by subcutaneous, intravenous, and parenteral routes. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and Cl<sup>-</sup>. A cholinergic agent. See also CHOLINE ACETATE (ESTER).

**ABO250 CAS: 38105-27-0 HR: 2****N-ACETOXYFLUORENYLACETAMIDE**mf:  $C_{17}H_{15}NO_3$  mw: 281.33**SYNS:** ACETIC ACID ESTER with N-(FLUOREN-3-YL)ACETOHYDROXAMIC ACID □ N-ACETOXY-3-FLUORENYLACETAMIDE □ N-(FLUOREN-3-YL)ACETOHYDROXAMIC ACETATE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic and neoplastigenic data. See also ESTERS. When heated to decomposition it emits toxic fumes of acetic acid and  $NO_x$ .**ABO500 CAS: 55080-20-1 HR: 2****N-ACETOXY-4-FLUORENYLACETAMIDE**mf:  $C_{17}H_{15}NO_3$  mw: 281.33**SYNS:** ACETIC ACID(N-ACETYL-N-(4-FLUORENYL)AMINO)ESTER □ ACETIC ACID, ESTER with N-(FLUOREN-4-YL)ACETOXYHYDROXAMIC ACID □ N-(FLUOREN-4-YL)ACETOHYDROXAMIC ACETATE**TOXICITY DATA with REFERENCE:**

ipr-rat TDLo:350 mg/kg/4W-I:ETA CNREA8 35,447,75

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also ESTERS. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ABO750 CAS: 29968-75-0 HR: 2****N-ACETOXY-2-FLUORENYLBENZAMIDE**mf:  $C_{22}H_{17}NO_3$  mw: 343.40**SYN:** N-FLUOREN-2-YL BENZOHYDROXAMIC ACID ACETATE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ABO758 CAS: 2050-43-3 HR: 2****2',4'-ACETOXYLIDIDE**mf:  $C_{10}H_{13}NO$  mw: 163.24**PROP:** Crystals from aqueous ethanol. Mp: 129–130°, bp: 170° @ 10 mm.**SYNS:** 2,4-DIMETHYLACETANILIDE □ 2',4'-DIMETHYLACETANILIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1300 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ABP760 CAS: 2198-53-0 HR: 2****2',6'-ACETOXYLIDIDE**mf:  $C_{10}H_{13}NO$  mw: 163.24**PROP:** Crystals. Mp: 177°. Sol in  $C_6H_6$ .**SYN:** 2,6-DIMETHYLACETANILIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:620 mg/kg TXAPA9 19,20,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ABP770 CAS: 2198-54-1 HR: 2****3',4'-ACETOXYLIDIDE**mf:  $C_{10}H_{13}NO$  mw: 163.24**PROP:** Crystals from aqueous ethanol. Mp: 99°. Sol in  $C_6H_6$ .**SYNS:** 3,4-DIMETHYLACETANILIDE □ 3',4'-DIMETHYLACETANILIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1030 mg/kg TXAPA9 19,20,71

**SAFETY PROFILE:** Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ABQ000 CAS: 6283-24-5 HR: 3****p-(ACETOXYMERCURI)ANILINE**mf:  $C_8H_9HgNO_2$  mw: 351.77**PROP:** Colorless prisms from ( $CHCl_3$ ). Mp: 166–167°. Insol in water,  $Et_2O$ . Sltly sol in aqueous ethanol,  $CHCl_3$ .**SYNS:** (ACETATO)(p-AMINOPHENYL)MERCURY □ p-AMINOPHENYLMERCURIC ACETATE**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:13 mg/kg JPETAB 31,87,27

ivn-mus LD50:18 mg/kg CSLNX\* NX#04750

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory. On Community Right-To-Know List.**OSHA PEL:** CL 0.1 mg(Hg)/ $m^3$  (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/ $m^3$  (skin); BEI: 35  $\mu g/g$  creatinine total inorganic mercury in urine preshift; 15  $\mu g/g$  creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/ $m^3$  (skin)**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. See also MERCURY COMPOUNDS, ANILINE. When heated to decomposition it emits very toxic fumes of  $NO_x$  and Hg.**ABQ250 CAS: 54481-45-7 HR: 3****2-(ACETOXYMERCURI)-4-NITROANILINE**mf:  $C_8H_8HgN_2O_4$  mw: 396.77**SYN:** ACETATO(2-AMINO-5-NITROPHENYL)MERCURY**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:250 mg/kg NCNSA6 5,12,53

**OSHA PEL:** CL 0.1 mg(Hg)/ $m^3$  (skin)**ACGIH TLV:** TWA 0.1 mg(Hg)/ $m^3$  (skin); BEI: 35  $\mu g/g$  creatinine total inorganic mercury in urine preshift; 15  $\mu g/g$  creatinine total inorganic mercury in blood at end of shift at end of workweek.**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m<sup>3</sup> (skin)

**SAFETY PROFILE:** Poison by intraperitoneal route. See also MERCURY COMPOUNDS, NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits very toxic fumes of Hg and NO<sub>x</sub>.

**ABQ375 HR: 3**  
**1-ACETOXYMERCURIO-1-PERCHLORATO MERCURIOPROPEN-2-ONE**

mf: C<sub>4</sub>H<sub>3</sub>ClHg<sub>2</sub>O<sub>7</sub> mw: 599.66

**SAFETY PROFILE:** Dangerously explosive. When heated to decomposition it emits toxic fumes of Cl<sup>-</sup> and Hg. See also MERCURY COMPOUNDS, EXPLOSIVES, and PERCHLORATES.

**ABQ500 CAS: 55936-77-1 HR: D**  
**N-ACETOXY-N-METHYL-4-AMINOAZOBENZENE**

mf: C<sub>15</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub> mw: 269.33

**SYN:** N-(ACETYLOXY)-N-METHYL-4-(PHENYLAZO) BENZENAMINE (9CI)

**TOXICITY DATA with REFERENCE:**

otr-rat:ivr 50 µmol/L JJIND8 76,95,86

cyt-rat:ivr 13,400 µg/L/2H-C ITCSAF 18,501,82

mimo-sat 100 nmol/plate CALEDQ 1,91,75

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABQ600 CAS: 83876-62-4 HR: 2**  
**4-ACETOXY-7-METHYLBENZ(c)ACRIDINE**

mf: C<sub>20</sub>H<sub>15</sub>NO<sub>2</sub> mw: 301.36

**SYN:** BENZ(c)ACRIDIN-4-OL, 7-METHYL-, ACETATE (ESTER)

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABR125 CAS: 70715-92-3 HR: 2**  
**N-(ACETOXYMETHYL)-N-ISOBUTYLNITROSAMINE**

mf: C<sub>7</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub> mw: 174.23

**SYNS:** N-ISOBUTYL-N-(ACETOXYMETHYL)NITROSAMINE □ N-NITROSO-N-(ACETOXYMETHYL)-N-ISOBUTYLAMINE

**TOXICITY DATA with REFERENCE:**

mimo-sat 5 µmol/plate GANNA2 70,663,79

mimo-esc 25 µmol/plate GANNA2 70,663,79

dnr-bcs 1 µmol/plate GANNA2 70,663,79

scu-rat TD:66 mg/kg/10W-I:CAR IAPUDO 41,619,82

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also NITROSAMINES.

**ABR250 CAS: 2517-98-8 HR: 2**  
**7-ACETOXYMETHYL-12-METHYLBENZ(a) ANTHRACENE**

mf: C<sub>22</sub>H<sub>18</sub>O<sub>2</sub> mw: 314.40

**SYN:** 12-METHYLBENZ(a)ANTHRACENE-7-METHANOL ACETATE (ESTER)

**TOXICITY DATA with REFERENCE:**

mimo-sat 4 nmol/plate CBINA8 58,253,86

add-uns:lym 50 g/L RCOCB8 22,345,78

scu-rat TDLo:150 mg/kg/39D-I:NEO CNREA8 31,1951,71

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

**ABR500 CAS: 65986-79-0 HR: D**  
**1-ACETOXY-N-METHYL-N-NITROSO ETHYLAMINE**

mf: C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub> mw: 146.17

**SYNS:** N-(α-ACETOXY)ETHYL-N-METHYLNITROSAMINE □ 1-(METHYLNITROSAMINO)ETHYL ACETATE

**TOXICITY DATA with REFERENCE:**

mimo-sat 50 nmol/plate MUREAV 49,187,78

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also NITROSAMINES and N-NITROSO COMPOUNDS.

**ABR625 CAS: 81943-37-5 HR: 3**  
**ACETOXYMETHYLPHENYLNITROSAMINE**

mf: C<sub>9</sub>H<sub>11</sub>N<sub>2</sub>O<sub>3</sub> mw: 195.22

**TOXICITY DATA with REFERENCE:**

mimo-sat 64,400 pmol/plate CALEDQ 15,289,82

scu-ham LD50:117 mg/kg CALEDQ 15,289,82

**SAFETY PROFILE:** Poison by subcutaneous route. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also NITROSAMINES.

**ABR700 CAS: 27827-87-8 HR: 3**  
**2-ACETOXY-2-METHYL-3,3,3-TRIFLUORO PROPIONITRILE**

mf: C<sub>6</sub>H<sub>6</sub>F<sub>3</sub>NO<sub>2</sub> mw: 181.13

**SYNS:** ACETIC ACID, 1-CYANO-2,2,2-TRIFLUORO-1-METHYLETHYLESTER □ PROPIONITRILE, 2-HYDROXY-2-METHYL-3,3,3-TRIFLUORO-, ACETATE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:18 mg/kg CSLNX\* NX#02233

**SAFETY PROFILE:** A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and F<sup>-</sup>.

**ABS250 CAS: 38105-25-8 HR: D**  
**N-ACETOXY-N-(1-NAPHTHYL)-ACETAMIDE**

mf: C<sub>14</sub>H<sub>13</sub>NO<sub>3</sub> mw: 243.28

**SYN:** N,O-DIACETYL-N-(1-NAPHTHYL)HYDROXYLAMINE

**TOXICITY DATA with REFERENCE:**

mimo-sat 5 µg/plate CBINA8 26,11,79

mma-sat 1 µg/plate CBINA8 26,11,79

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits highly toxic fumes of NO<sub>x</sub>.

**ABS750 CAS: 830-03-5 HR: 3****p-ACETOXYNITROBENZENE**mf: C<sub>8</sub>H<sub>7</sub>NO<sub>4</sub> mw: 181.16**PROP:** Leaflets from aqueous ethanol. Mp: 81–82°.**SYNS:** p-NITROPHENOL ACETATE □ p-NITROPHENYL ACETATE □ 4-NITROPHENYL ACETATE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX\* NX#00217

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABT500 CAS: 58431-24-6 HR: D****1-ACETOXY-N-NITROSODIETHYLAMINE**mf: C<sub>6</sub>H<sub>12</sub>N<sub>2</sub>O<sub>3</sub> mw: 160.20**SYNS:** ACETIC ACID-1-(ETHYLNITROSAMINO)ETHYL ESTER □ N-(α-ACETOXY)ETHYL-N-ETHYLNITROSAMINE □ 1-(ETHYLNITROSAMINO)ETHYL ACETATE**TOXICITY DATA with REFERENCE:**

slt-dmg-par 500 μmol/L CNREA8 36,450,76

mmo-sat 100 nmol/plate MUREAV 49,187,78

sln-dmg-par 2 mmol/L BCPA6 24,200,75

**SAFETY PROFILE:** Mutation data reported. See also AMINES, NITROSAMINES, and N-NITROSO COMPOUNDS (many of which are carcinogenic). When heated to decomposition it emits highly toxic fumes of NO<sub>x</sub>.**ABT750 CAS: 53198-41-7 HR: 2****1-ACETOXY-N-NITROSODIPROPYLAMINE**mf: C<sub>8</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> mw: 188.26**SYNS:** ACETIC ACID-1-(PROPYLNITROSAMINO)PROPYL ESTER □ N-(α-ACETOXY)PROPYL-N-N-PROPYLNITROSAMINE □ 1-(PROPYLNITROSAMINO)PROPYL ACETATE**TOXICITY DATA with REFERENCE:**

mmo-sat 100 nmol/plate MUREAV 49,187,78

scu-ham TDLo:410 mg/kg/33W-I:CAR ZKKOBW 90,127,77

scu-ham LD50:500 mg/kg ZKKOBW 90,127,77

**SAFETY PROFILE:** Moderately toxic by subcutaneous route. Mutation data reported. Questionable carcinogen with experimental carcinogenic data. See also N-NITROSO COMPOUNDS, NITROSAMINES, ESTERS, and AMINES. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ABU000 CAS: 51-98-9 HR: 3****17-ACETOXY-19-NOR-17-α-PREGN-4-EN-20-YN-3-ONE**mf: C<sub>22</sub>H<sub>28</sub>O<sub>3</sub> mw: 340.50**PROP:** Crystals from Me<sub>2</sub>CO/hexane. Mp: 161–163°.**SYNS:** 17-β-ACETOXY-19-NOR-17-α-PREGN-4-EN-20-YN-3-ONE □ (17-α)-17-(ACETYLOXY)-19-NORPREGN-4-EN-20-YN-3-ONE □ 17-ACETYLOXY(17-α)-19-NORPREGN-4-ESTREN-17-β-OL-ACETATE-3-ONE □ 17-ENT □ 17-α-ETHINYL-19-NORTESTOSTERONE ACETATE □ 17-α-ETHINYL-19-NORTESTOSTERONE-17-β-ACETATE □ 17-α-ETHINYLL-17-β-ACETOXY-19-NORANDROST-4-EN-3-ONE □ 17-α-ETHINYLL-17-HYDROXYESTR-4-EN-3-ONE ACETATE □ 17-α-ETHINYLL-19-

NORTESTOSTERONE ACETATE □ 17-HYDROXY-19-NOR-17-α-PREGN-4-EN-20-YN-3-ONE ACETATE □ 17-β-HYDROXY-19-NOR-17-α-PREGN-4-EN-20-YN-3-ONE ACETATE □ NORETHINDRONE-17-ACETATE □ 19-NORETHISTERONE ACETATE □ 19-NORETHINYLTTESTOSTERONE ACETATE □ NORETHYSTERONE ACETATE □ NORLUTATE □ NORLUTINE ACETATE □ ORLUTATE

**TOXICITY DATA with REFERENCE:**

dlt-mus-ork 1120 mg/kg/4W MUREAV 26,535,74

spm-mus-ork 1120 mg/kg/4W MUREAV 26,535,74

ork-wmn TDLo:2190 μg/kg (52W pre):REP BMJOAE 2,730,69

unr-wmn TDLo:15 mg/kg (female 13-30W post):TER OBGNAS 22,210,63

**CONSENSUS REPORTS:** IARC Cancer Review:

Animal Limited Evidence IMEMDT 21,441,79; Animal Sufficient Evidence IMEMDT 6,179,74. EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Suspected carcinogen with experimental tumorigenic data. Human reproductive effects by ingestion and implant routes: menstrual cycle changes, postpartum effects, and changes in fertility. A human teratogen by an unspecified route with developmental abnormalities of the urogenital system. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. Used in the treatment of menstrual disorders and uterine bleeding.**ABU100 CAS: 124617-85-2 HR: D****N-ACETOXY-N-OCTYLOXYBENZAMIDE**mf: C<sub>17</sub>H<sub>25</sub>NO<sub>4</sub> mw: 307.39**SYN:** BENZAMIDE, N-(ACETYLOXY)-N-(OCTYLOXY)-**TOXICITY DATA with REFERENCE:**

mic-sat 0.12 μmol/plate/72H MUREAV 494,115,2001

mic-sat 0.25 μmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**ABU500 CAS: 62-38-4 HR: 3****ACETOXYPHENYLMERCURY****DOT:** UN 1674mf: C<sub>8</sub>H<sub>8</sub>HgO<sub>2</sub> mw: 336.75**PROP:** Lustrous crystals. Mp: 149–152°. Sltly sol in water.**SYNS:** ACETATE PHENYLMERCURIQUE (FRENCH) □ (ACETATO)PHENYLMERCURY □ ACETIC ACID, PHENYLMERCURY DERIV. □ (ACETOXYMERCURY)BENZENE □ AGROSAN □ AGROSAND □ AGROSAN GN 5 □ ALGIMYCIN □ ANTIMUCIN WDR □ BENZENE, (ACETOXYMERCURY)- □ BENZENE, (ACETOXYMERCURIO)- □ BUFEN □ CEKUSIL □ CELMER □ CERESAN □ CERESAN UNIVERSAL □ CERESOL □ CONTRA CREME □ DYANACIDE □ FEMMA □ FENYLMERCURIACETAT (CZECH) □ FMA □ FUNGITOX OR □ GALLOTOX □ HL-331 □ HONG KIEN □ HOSTAQUICK □ KWIKSAN □ LEYTOSAN □ LIQUIPHENE □ MERCURIPHENYL ACETATE □ MERCURY(II) ACETATE, PHENYL- □ MERCURY, ACETOXYPHENYL- □ MERGAMMA □ MERSOLITE □ MERSOLITE 8 □ METASOL 30 □ NORFORMS □ NYLMERATE □ OCTAN FENYLRUTNATY (CZECH) □ PAMISAN □ PHENMAD □ PHENOMERCURIC ACETATE □ PHENYLMERCURIACETATE

□ PHENYL MERCURIC ACETATE □ PHENYLMERCURY ACETATE □ PHENYLQUECKSILBER ACETAT (GERMAN) □ PHIX □ PMA □ PMAC □ PMACETATE □ PMAL □ PMAS □ PURASAN-SC-10 □ PURATURF 10 □ QUICKSAN □ RCRA WASTE NUMBER P092 □ SANITIZED SPG □ SC-110 □ SCUTL □ SEEDTOX □ SHIMMEREX □ SPOR-KIL □ TAG □ TAG 331 □ TAG FUNGICIDE □ TAG HL 331 □ TRIGOSAN □ ZIARNIK

**TOXICITY DATA with REFERENCE:**

dnr-esc 2 mmol/L MJDHDW 28,F39,80  
sce-ham:lym 30 mg/L DBABEF 8,105,84  
orl-rat LD50:41 mg/kg JACTDZ 1,175,92  
orl-mus LD50:13,250 µg/kg YAKUD5 22,291,80  
ipr-mus LD50:13 mg/kg AMSVAZ 143,365,52  
scu-mus LD50:12 mg/kg TOIZAG 9,101,62  
ivn-mus LD50:18 mg/kg CSLNX\* NX#00921  
orl-ckn LD50:60 mg/kg TXAPA9 2,344,60  
orl-qal LD50:71 mg/kg AXVMAW 34,383,80  
ipr-uns LD50:10 mg/kg TXCYAC 6,281,76

**CONSENSUS REPORTS:** IARC Cancer Review: Group 2B, Human Inadequate Evidence IMEMDT 58,239,93. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program. Mercury and its compounds are on the Community Right-To-Know List.

**OSHA PEL:** CL 0.1 mg(Hg)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Hg)/m<sup>3</sup> (skin); BEI: 35 µg/g creatinine total inorganic mercury in urine preshift; 15 µg/g creatinine total inorganic mercury in blood at end of shift at end of workweek.

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**NIOSH REL:** (Mercury, Aryl and Inorganic) CL 0.1 mg/m<sup>3</sup> (skin)

**DOT CLASSIFICATION:** 6.1; Label: Poison

**SAFETY PROFILE:** Poison by ingestion, intravenous, intraperitoneal, subcutaneous, and possibly other routes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. See also MERCURY COMPOUNDS. When heated to decomposition it emits toxic fumes of Hg.

**ABU600 CAS: 53744-50-6 HR: 2**  
**4-ACETOXYPHENYL METHYL CARBINOL**

mf: C<sub>10</sub>H<sub>12</sub>O<sub>3</sub> mw: 180.22

**SYNS:** (p-ACETOXYPHENYL)METHYL CARBINOL □ 4-(ACETYLOXY)-α-METHYLBENZENEMETHANOL □ BENZENEMETHANOL, 4-(ACETYLOXY)-α-METHYL- □ BENZYL ALCOHOL, p-HYDROXY-α-METHYL-, 4-ACETATE □ C-909

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 µL SEV NTIS\*\* OTS0536931  
orl-rat LDLo:500 mg/kg NTIS\*\* OTS0536931  
skn-rbt LD :>7800 mg/kg NTIS\*\* OTS0536931

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

**ABU800 CAS: 2114-33-2 HR: 1**  
**2-ACETOXY-1-PHENYLPROPANE**

mf: C<sub>11</sub>H<sub>14</sub>O<sub>2</sub> mw: 178.25

**SYNS:** ACETIC ACID, α-METHYL-PHENETHYL ESTER □ BENZYL METHYL CARBINYL ACETATE □ METHYLBENZYL CARBINYL ACETATE □ α-METHYL-β-PHENYLETHYL ACETATE □ 1-PHENYL-2-PROPANOL ACETATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTOD7 20,737,82

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**ABV250 CAS: 17427-00-8 HR: 3**  
**3-ACETOXYPHENYLTRIMETHYLAMMONIUM IODIDE**

mf: C<sub>11</sub>H<sub>16</sub>NO<sub>2</sub>•I mw: 321.18

**SYN:** NU 2017

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:800 mg/kg JPETAB 99,16,50  
scu-mus LD50:125 mg/kg JPETAB 99,16,50  
ivn-mus LD50:3700 µg/kg JPETAB 99,16,50

**SAFETY PROFILE:** A poison via subcutaneous and intravenous routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and I<sup>-</sup>.

**ABV500 CAS: 64051-12-3 HR: 3**  
**3-ACETOXYPHENYLTRIMETHYLAMMONIUM METHYLSULFATE**

mf: C<sub>11</sub>H<sub>16</sub>NO<sub>2</sub>•CH<sub>3</sub>O<sub>4</sub>S mw: 305.38

**SYN:** ACETIC ACID (m-TRIMETHYLAMMONIO)PHENYL ESTER METHYLSULFATE

**TOXICITY DATA with REFERENCE:**

orl-mus LDLo:1000 mg/kg JPETAB 43,413,31  
ivn-mus LDLo:8 mg/kg JPETAB 43,413,31

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion. See also ESTERS and SULFATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ABV600 HR: D**  
**17-α-ACETOXPREGN-4-ENE-3-β-OL-20-ONE and MESTRANOL (20:1)**

mf: C<sub>23</sub>H<sub>34</sub>O<sub>4</sub>•C<sub>21</sub>H<sub>26</sub>O<sub>2</sub> mw: 685.04

**SYN:** PREGN-4-EN-20-ONE, 3-β,17-DIHYDROXY-, 17-ACETATE, and 3-METHOXY-19-NOR-17-α-PREGNA-1,3,5(10)-TRIEN-20-YN-17-OL (20:1)

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

**ABV750 CAS: 70103-78-5 HR: D**  
**N-(3-ACETOXYPROPYL)-N-(ACETOXYMETHYL)NITROSAMINE**

mf: C<sub>8</sub>H<sub>14</sub>N<sub>2</sub>O<sub>5</sub> mw: 218.21

**SYNS:** ACETIC ACID-4-

((ACETOXYMETHYL)NITROSAMINO)PROPYL ESTER □ APAMN

**TOXICITY DATA with REFERENCE:**

mno-esc 1 µmol/plate GANNA2 71,124,80  
mrc-bcs 200 nmol/plate GANNA2 71,124,80

**SAFETY PROFILE:** Mutation data reported. See also NITROSAMINES and ESTERS. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ABW250 CAS: 59901-90-5 HR: D**  
**1'-ACETOXYSAFROLE-2',3'-OXIDE**

mf:  $\text{C}_{12}\text{H}_{12}\text{O}_5$  mw: 236.24

**SYNS:** 1,3-BENZODIOXOLE-5-METHANOL,  $\alpha$ -(OXIRANYL)-, ACETATE (ester)  $\square$   $\alpha$ -EPOXYETHYL-1,2-(METHYLENEDIOXY) BENZYL ALCOHOL ACETATE

**TOXICITY DATA with REFERENCE:**

mno-sat 800 nmol/plate MUREAV 60,143,79

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

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

**ABW500 CAS: 26594-44-5 HR: 2**  
**N-ACETOXY-N-(4-STILBENYL) ACETAMIDE**

mf:  $\text{C}_{18}\text{H}_{17}\text{NO}_3$  mw: 295.36

**SYNS:** ACETIC ACID-(N-ACETYL-N-(p-STYRYLPHENYL)AMINO) ESTER  $\square$  ACETIC ACID-ESTER with N-(p-

STYRYLPHENYL)ACETOHYDROXAMIC ACID  $\square$  N-ACETOXY-4-ACETAMIDOSTILBENE  $\square$  N,O-DIACETYL-N-(p-

STYRYLPHENYL)HYDROXYLAMINE  $\square$  N-(p-STYRYLPHENYL)ACETOHYDROXAMIC ACETATE  $\square$  N-(p-STYRYLPHENYL)ACETOHYDROXAMIC ACID ACETATE

**TOXICITY DATA with REFERENCE:**

mno-sat 5  $\mu\text{g}$ /plate CBINA8 26,11,79

dns-hmn:fbr 10  $\mu\text{g}$ /L/5H IJCNAW 16,284,75

dns-hmn:hlas 100 nmol/L CNREA8 38,2621,78

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data by skin contact. Human mutation data reported. When heated to decomposition it emits highly toxic fumes of  $\text{NO}_x$ .

**ABW550 CAS: 2628-16-2 HR: 2**  
**4-ACETOXYSTYRENE**

mf:  $\text{C}_{10}\text{H}_{10}\text{O}_2$  mw: 162.20

**PROP:** Colorless liquid. Freezing pt:  $7^\circ$ , bp:  $260^\circ$ , d: 1.056, flash pt:  $> 212^\circ\text{F}$  TCC

**SYNS:** p-ACETOXYSTYRENE  $\square$  C-908  $\square$  4-ETHENYLPHENOL ACETATE  $\square$  PHENOL, 4-ETHENYL-, ACETATE  $\square$  PHENOL, p-VINYL-, ACETATE (6CL7CL8CL)  $\square$  p-VINYLPHENOL ACETATE  $\square$  4-VINYLPHENYL ACETATE

**TOXICITY DATA with REFERENCE:**

eye-rbt 100 mg MLD EPASR\* 8EHQ-1190-1082

orl-rat LD50:1503 mg/kg EPASR\* 8EHQ-1190-1082

skn-rat LD50: $>2$  g/kg EPASR\* 8EHQ-1190-1082

**SAFETY PROFILE:** Moderately toxic by ingestion.

Slightly toxic by skin contact. An eye irritant. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

**ABW600 CAS: 13121-71-6 HR: 3**  
**ACETOXYTRICYCLOHEXYLSTANNANE**

mf:  $\text{C}_{20}\text{H}_{36}\text{O}_2\text{Sn}$  mw: 427.25

**PROP:** Rod-like crystals from aqueous ethanol. Mp:  $61-63^\circ$ .

**SYN:** STANNANE, ACETOXYTRICYCLOHEXYL-

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:178 mg/kg PHARAT 37,801,82

**OSHA PEL:** TWA 0.1 mg(Sn)/ $\text{m}^3$

**ACGIH TLV:** TWA 0.1 mg(Sn)/ $\text{m}^3$  (skin)

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

**ABW750 CAS: 1907-13-7 HR: 3**  
**ACETOXYTRIETHYLSTANNANE**

mf:  $\text{C}_8\text{H}_{18}\text{O}_2\text{Sn}$  mw: 264.95

**SYNS:** ACETOXYTRIETHYL TIN  $\square$  TRIAETHYLZINNACETAT (GERMAN)  $\square$  TRIETHYL TIN ACETATE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4 mg/kg BJIMAG 15,15,58

ivn-rat LD50:4200  $\mu\text{g}$ /kg BJIMAG 15,15,58

ivn-mus LD50:8 mg/kg CSLNX\* NX#02839

**OSHA PEL:** TWA 0.1 mg(Sn)/ $\text{m}^3$  (skin)

**ACGIH TLV:** TWA 0.1 mg(Sn)/ $\text{m}^3$ ; STEL 0.2 mg(Sn)/ $\text{m}^3$  (skin).

**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/ $\text{m}^3$

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. See also TIN COMPOUNDS. When heated to decomposition it emits acrid smoke and irritating  $\text{Sn}^+$  fumes.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: organotin compounds 5504.

**ABX000 CAS: 2897-46-3 HR: 3**  
**ACETOXYTRIHXYLSTANNANE**

mf:  $\text{C}_{20}\text{H}_{42}\text{O}_2\text{Sn}$  mw: 433.31

**SYNS:** ACETOXYTRIHXYLTIN  $\square$  TRIHXYLTIN ACETATE  $\square$  TRI-N-HEXYLZINNACETAT (GERMAN)

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1000 mg/kg BJIMAG 15,15,58

skn-rat LD50:500 mg/kg 85JCAE -,1254,86

ivn-rat LDLo:6 mg/kg BJIMAG 15,15,58

**OSHA PEL:** TWA 0.1 mg(Sn)/ $\text{m}^3$  (skin)

**ACGIH TLV:** TWA 0.1 mg(Sn)/ $\text{m}^3$ ; STEL 0.2 mg(Sn)/ $\text{m}^3$  (skin).

**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/ $\text{m}^3$

**SAFETY PROFILE:** Poison by skin contact and intravenous routes. Moderately toxic by ingestion. See also TIN COMPOUNDS. When heated to decomposition it emits acrid smoke and  $\text{Sn}^+$  fumes.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: organotin compounds 5504.

**ABX125 CAS: 5711-19-3 HR: 3**  
**ACETOXYTRIMETHYLPLUMBANE**

mf:  $\text{C}_5\text{H}_{12}\text{O}_2\text{Pb}$  mw: 311.36

**PROP:** White crystals from aqueous ethanol. Mp:  $192-194^\circ$ .

**SYN:** ACETATE de TRIMETHYLPLOMB (FRENCH)

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:66 mg/kg APFRAD 24,17,66  
 orl-mus LD50:82 mg/kg APFRAD 24,17,66  
 ipr-mus LD50:34 mg/kg APFRAD 24,17,66

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb.

**ABX150 CAS: 919-28-8 HR: 2**

**ACETOXYTRIOCTYLSTANNANE**

mf: C<sub>26</sub>H<sub>54</sub>O<sub>2</sub>Sn mw: 517.49

**SYNS:** (ACETYLOXY)TRIOCTYLSTANNANE □ STANNANE, ACETOXYTRIOCTYL-

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:30 g/kg PHARAT 37,801,82

**OSHA PEL:** TWA 0.1 mg(Sn)/m<sup>3</sup>

**ACGIH TLV:** TWA 0.1 mg(Sn)/m<sup>3</sup> (skin)

**SAFETY PROFILE:** Slightly toxic by ingestion. When heated to decomposition it emits toxic fumes of Sn.

**ABX175 CAS: 2587-75-9 HR: 2**

**ACETOXYTRIPENTYLSTANNANE**

mf: C<sub>17</sub>H<sub>36</sub>O<sub>2</sub>Sn mw: 391.22

**SYN:** STANNANE, ACETOXYTRIPENTYL-

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:447 mg/kg PHARAT 37,801,82

**OSHA PEL:** TWA 0.1 mg(Sn)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Sn)/m<sup>3</sup> (skin)

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

**ABX250 CAS: 900-95-8 HR: 3**

**ACETOXYTRIPHENYLSTANNANE**

mf: C<sub>20</sub>H<sub>18</sub>O<sub>2</sub>Sn mw: 409.07

**PROP:** White, crystalline solid. Mp: 120–123°. Practically insol.

**SYNS:** ACETATE de TRIPHENYL-ETAIN (FRENCH) □ ACETATO di STAGNO TRIFENILE (ITALIAN) □ ACETATOTRIPHENYL STANNANE □ ACETOXY-TRIPHENYL-STANNAN (GERMAN) □ ACETOXY-TRIPHENYLSTANNANE □ ACETOXYTRIPHENYLITIN □ (ACETYLOXY)TRIPHENYL-STANNANE (9CI) □ BATASAN □ BRESTAN □ ENT 25,208 □ FENOLOVO ACETATE □ FENTIN ACETAAT (DUTCH) □ FENTIN ACETAT (GERMAN) □ FENTIN ACETATE □ FENTINE ACETATE (FRENCH) □ FINTIN ACETATO (ITALIAN) □ GC 6936 □ HOE-2824 □ LIROMATIN □ LIROSTANOL □ PHENTIN ACETATE □ PHENTINOACETATE □ SUZU □ TINESTAN □ TINESTAN 60 WP □ TIN TRIPHENYL ACETATE □ TPTA □ TPZA □ TRIFENYLITINACETAAT (DUTCH) □ TRIPHENYLACETO STANNANE □ TRIPHENYLITIN ACETATE □ TRIPHENYL-ZINNACETAT (GERMAN) □ TUBOTIN □ VP 1940

**TOXICITY DATA with REFERENCE:**

uns-ham:ovr 60 µg/L MUREAV 300,5,93  
 orl-rat LD50:125 mg/kg TIUSAD 43,9,58  
 skn-rat LD50:450 mg/kg ARZNAD 19,934,69  
 ipr-rat LD50:8500 µg/kg BJIMAG 23,222,66  
 ivn-rat LD50:18 mg/kg GUCHAZ 6,281,73  
 orl-mus LD50:81 mg/kg BJIMAG 23,222,66  
 ipr-mus LD50:7900 µg/kg BJIMAG 23,222,66

scu-mus LD50:44 mg/kg GUCHAZ 6,281,73  
 ivn-mus LD50:18 mg/kg CSLNX\* NX#00648  
 orl-rbt LD50:30 mg/kg 85DPAN -,71/76  
 ipr-rbt LD50:10 mg/kg ARZNAD 13,432,63  
 orl-gpg LD50:21 mg/kg 85GYAZ -,127,71

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

**OSHA PEL:** TWA 0.1 mg(Sn)/m<sup>3</sup> (skin)

**ACGIH TLV:** TWA 0.1 mg(Sn)/m<sup>3</sup>; STEL 0.2 mg(Sn)/m<sup>3</sup> (skin).

**NIOSH REL:** (Organotin Compounds) TWA 0.1 mg(Sn)/m<sup>3</sup>

**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, intravenous, and subcutaneous routes. Moderately toxic by skin contact. Questionable carcinogen with experimental neoplastigenic data. An experimental teratogen. Other experimental reproductive effects. A fungicide and algicide used as a wood preservative. When heated to decomposition it emits acrid smoke and Sn<sup>+</sup> fumes. See also TIN COMPOUNDS.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: organotin compounds 5504.

**ABX325 CAS: 13266-07-4 HR: 3**

**ACETOXYTRIPROPYLPLUMBANE**

mf: C<sub>11</sub>H<sub>24</sub>O<sub>2</sub>Pb mw: 395.54

**PROP:** Needles from petroleum ether. Mp: 128°.

**SYN:** ACETATE de TRIPROPYLPLOMB (FRENCH)

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:214 mg/kg APFRAD 24,17,66  
 ipr-rat LD50:17 mg/kg APFRAD 24,17,66  
 orl-mus LD50:236 mg/kg APFRAD 24,17,66  
 ipr-mus LD50:24 mg/kg APFRAD 24,17,66

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of Pb.

**ABX500 CAS: 97-44-9 HR: 3**

**ACETPHENARSINE**

mf: C<sub>8</sub>H<sub>10</sub>AsNO<sub>5</sub> mw: 275.11

**PROP:** Crystalline material. Mp: 220–221°. Decomp @ 240–250°. Sltly sol in water.

**SYNS:** 3-ACETAMIDO-4-HYDROXY-PHENYLARSONIC ACID □ ACETARSOL □ ACETARSONE □ 3-ACETYLAMINO-4-HYDROXYPHENYLARSONIC ACID □ (3-(ACETYLAMINO)-4-HYDROXYPHENYL)ARSONINE (9CI) □ N-ACETYL-4-HYDROXY-m-ARSANILIC ACID □ AMARSAN □ AMOEBA □ ARSONIC ACID □ ARSPHEN □ DEVEGAN □ DISPARICIDA □ DYNARSAN □ EHRlich 594 □ F 190 □ 190 F □ FOURNEAU 190 □ GINARSOL □ GOYL □ GYNOPLIX □ KHAROPHEN □ KUBARSOL □ LIMARSOL MALAGRIDE □ MEXYL □ MONARGAN □ NILACID □ ORALCID □ ORARSAN □ OSARSAL □ OSARSOLE □ OSVARSAN □ PALLICID □ PAROXYL □ SPIROCID □ SPIROZID □ STOVARSAL □ STOVARSOL □ STOVARSOLAN □ SVC □ VAGISEPT □ VAGOFLOR

**TOXICITY DATA with REFERENCE:**

dnd-esc 20 µmol/L MUREAV 89,95,81  
 orl-wmn TDLo:86 mg/kg/8D:RSP,SKN,MET AJMSA9 174,819,27

orl-man TDLo:89 mg/kg/9D:RSP,END,SKN AJMSA9 174,819,27

ivg-wmn LDLo:155 mg/kg/2D-I:CNS,GIT,MET BMJOAE 1,1282,61

ivg-wmn LDLo:1576 mg/kg/2D-I:CNS,GIT,KID BMJOAE 2,242,60

ivn-rat LDLo:300 mg/kg ADSYAF 25,799,32

orl-mus LD50:4 mg/kg CLDND\* NX#03309

ivn-mus LD50:180 mg/kg CSLNX\* NX#03309

orl-cat LDLo:150 mg/kg PSEBAA 27,267,30

orl-rbt LDLo:125 mg/kg PSEBAA 27,267,30

ivn-rbt LDLo:120 mg/kg ADSYAF 25,799,32

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

**OSHA PEL:** TWA 500 µg(As)/m<sup>3</sup>

**ACGIH TLV:** BEI: 35 µ (As)/L inorganic arsenic and methylated metabolites in urine

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Human systemic effects by ingestion: respiratory system, endocrine system, dermatitis, and fever. Human systemic effects by intravaginal route: hallucinations, distorted perceptions, convulsions, nausea or vomiting, decreased urine volume, and fever. Mutation data reported. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and As.

**ABX750 CAS: 123-54-6 HR: 3**

**ACETYL ACETONE**

**DOT:** UN 2310

mf: C<sub>5</sub>H<sub>8</sub>O<sub>2</sub> mw: 100.13

**PROP:** Colorless to sltly yellow liquid; pleasant odor. Mp: -23.2°, bp: 139° @ 746 mm, flash p: 105°F (OC), d: 0.952-0.962, refr index: 1.402, vap d: 3.45, autoign temp: 644°F. Misc in alc, ether, chloroform, acetone, glacial acetic acid, and propylene glycol; insol in glycerin and water.

**SYNS:** ACETOACETONE □ DIACETYL METHANE □ FEMA No. 2841 □ PENTANEDIONE □ 2,4-PENTANEDIONE (FCC)

**TOXICITY DATA with REFERENCE:**

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

skn-rbt 488 mg open MLD UCDS\*\* 7/8/71

eye-rbt 20 mg SEV AJOPAA 29,1363,46

dlt-rat-ihl 694 ppm/6h/5D TXCYAC 5,463,89

orl-rat LD50:55 mg/kg GISAAA 52(10),88,87

ihl-rat LCLo:1000 ppm/4H JIDHAN 31,343,49

ipr-rat LDLo:400 mg/kg BCPCA6 13,285,64

orl-mus LD50:951 mg/kg 38MKAJ 2C,4773,82

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

skn-rbt LD50:810 mg/kg DCTODJ 9,133,86

ihl-rat TCLo:805 ppm/6H/9D-I FAATDF 7,329,86

ihl-rat TCLo:650 ppm/6H/14W-I FAATDF 7,329,86

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Moderately toxic by inhalation. A skin and severe eye irritant. Experimental reproductive effects. Mutation data reported. Flammable liquid when exposed to heat or flame. Incompatible with oxidizing

materials. To fight fire, use alcohol foam, CO<sub>2</sub>, dry chemical.

**ABX800 CAS: 78600-25-6 HR: 3**  
**3-ACETYLA CONITINE HYDROBROMIDE**

mf: C<sub>36</sub>H<sub>49</sub>NO<sub>12</sub>•BrH mw: 768.78

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2500 µg/kg CYLPDN 2(2),82,81

ipr-mus LD50:700 µg/kg CYLPDN 2(2),82,81

scu-mus LD50:1400 µg/kg CYLPDN 2(2),82,81

**SAFETY PROFILE:** Poison by ingestion, subcutaneous and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HBr.

**ABX810 CAS: 23043-52-9 HR: D**  
**9-ACETYLAMINOACRIDINE**

mf: C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O mw: 236.29

**SYNS:** 9-ACETAMIDOACRIDINE □ ACETAMIDE, N-9-ACRIDINYL- □ ACRIDINE, 9-ACETAMIDO-

**TOXICITY DATA with REFERENCE:**

add-unr-lym 10 pph BIPMAA 11,2537,1972

scu-mus LD50:>300 mg/kg BJEPAS 28,1,1947

ivn-mus LD50:24 mg/kg CSLNX\* NX#09779

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABX830 CAS: 148864-94-2 HR: 2**  
**(4"R)-4"-(ACETYLAMINO)-26-(BENZOYLOXY)-5-o-DEMETHYL-4"-DEOXYAVERMECTIN A1A**

mf: C<sub>57</sub>H<sub>79</sub>NO<sub>16</sub> mw: 1034.37

**SYN:** AVERMECTIN A1A, 4"-(ACETYLAMINO)-26-(BENZOYLOXY)-5-o-DEMETHYL-4"-DEOXY-, (4"R)-

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:>560 mg/kg JAFCAU 42,1786,94

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABX833 CAS: 194590-84-6 HR: D**  
**2-(2-(ACETYLAMINO)-4-(BIS(2-METHOXY ETHYL)AMINO)-5-METHOXYPHENYL)-5-AMINO-7-BROMO-4-CHLORO-2H-**

mf: C<sub>21</sub>H<sub>26</sub>BrClN<sub>6</sub>O<sub>4</sub> mw: 541.83

**SYNS:** ACETAMIDE, N-(2-(5-AMINO-7-BROMO-4-CHLORO-2H-BENZOTRIAZOL-2-YL)-5-(BIS(2-METHOXYETHYL)AMINO)-4-METHOXYPHENYL)- □ BENZOTRIAZOLE □ PBTA-1

**TOXICITY DATA with REFERENCE:**

mnt-ham-fbr 25 mg/L/26H MUREAV 493,75,2001

mnt-ham-fbr 3.125 mg/L/24H MUREAV 493,75,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>, Br<sup>-</sup>, and Cl<sup>-</sup>.

**ABX836 CAS: 215245-16-2 HR: D**  
**2-(2-(ACETYLAMINO)-4-(N-(2-CYANOETHYL) ETHYLAMINO)-5-METHOXYPHENYL)-5-AMINO-7-BROMO-4-CHLORO-**

mf: C<sub>20</sub>H<sub>21</sub>BrClN<sub>7</sub>O<sub>2</sub> mw: 506.79

**SYNS:** ACETAMIDE, N-(2-(5-AMINO-7-BROMO-4-CHLORO-2H-BENZOTRIAZOL-2-YL)-5-((2-CYANOETHYL)ETHYLAMINO)-4-METHOXYPHENYL)- □ 2H-BENZOTRIAZOLE □ PBTA-2

**TOXICITY DATA with REFERENCE:**

mnt-ham-fbr 25 mg/L/26H MUREAV 493,75,2001

mnt-ham-fbr 0.78 mg/L/24H MUREAV 493,75,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>, F<sup>-</sup>, and Cl<sup>-</sup>.

**ABX840 CAS: 156153-52-5 HR: 3**  
**(4''R)-4''-(ACETYLAMINO)-5-o-DEMETHYL -4''-DEOXY-26-METHOXYAVERMECTIN A1A**

mf: C<sub>51</sub>H<sub>77</sub>NO<sub>15</sub> mw: 944.29

**SYN:** AVERMECTIN A1A, 4''-(ACETYLAMINO)-5-o-DEMETHYL-4''-DEOXY-26-METHOXY-, (4''R)-

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:175 mg/kg JAFCAU 42,1786,94

**SAFETY PROFILE:** A poison by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ABY000 CAS: 28322-02-3 HR: 3**  
**4-ACETYLAMINOFLUORENE**

mf: C<sub>15</sub>H<sub>13</sub>NO mw: 223.29

**SYNS:** 4-ACETYLAMINOFLUOREN (GERMAN) □ N-FLUOREN-4-YLACETAMIDE □ N-4-FLUORENYLACETAMIDE

**TOXICITY DATA with REFERENCE:**

mma-sat 50 µg/plate PMRSDJ 1,285,81

otr-ham:kdy 25 mg/L PMRSDJ 1,638,81

orl-rat TD:5240 mg/kg/57W-C:ETA,REP JNCIAM 24,149,60

ipr-mus LD50:364 mg/kg PMRSDJ 1,682,81

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic data. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABY150 CAS: 57229-41-1 HR: 2**  
**2-ACETYLAMINO-9-FLUORENOL**

mf: C<sub>15</sub>H<sub>13</sub>NO<sub>2</sub> mw: 239.29

**SYNS:** 9-HYDROXY-2-FLUORENYLACETAMIDE □ N-(9-HYDROXYFLUOREN-2-YL)ACETAMIDE

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABY250 CAS: 3096-50-2 HR: 2**  
**2-ACETYLAMINOFLUORENONE**

mf: C<sub>15</sub>H<sub>11</sub>NO<sub>2</sub> mw: 237.27

**SYNS:** 2-ACETYLAMINO-9-FLUORENONE □ 9-OXO-2-FLUORENYLACETAMIDE □ N-(9-OXO-2-FLUORENYL)ACETAMIDE

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ABY300 CAS: 40164-67-8 HR: 2**  
**N-((ACETYLAMINO)METHYL)-2-CHLORO-N-(2,6-DIETHYLPHENYL)ACETAMIDE**

mf: C<sub>15</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>2</sub> mw: 296.83

**SYNS:** ACETAMIDE, N-((ACETYLAMINO)METHYL)-2-CHLORO-N-(2,6-DIETHYLPHENYL)- □ AMIDOCHELOR □ LIMIT □ MON 4620 □ MON 4621

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3100 mg/kg FMCHA2 -,C183,91

**CONSENSUS REPORTS:** EPA FIFRA 1988 pesticide subject to registration or re-registration.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Cl<sup>-</sup>.

**ABY900 CAS: 140-40-9 HR: 3**  
**2-ACETYLAMINO-5-NITROTHIAZOLE**

mf: C<sub>5</sub>H<sub>5</sub>N<sub>3</sub>O<sub>3</sub>S mw: 187.19

**PROP:** Needles from alc, elongated plates from acetic acid. The commercial product may be yellow. Mp: 264–265°. Sol in aq solns of NaOH and NH<sub>3</sub> with deep orange color.

**SYNS:** ACETAMIDE, N-(5-NITRO-2-THIAZOLYL)- □ ACETYL ENHEPTIN □ ACINITRAZOL □ ACINITRAZOLE □ AMETOTERINA □ AMINITROZOL □ AMINITROZOLE □ CYZINE PREMIX □ ENHEPTIN A □ GYNOFON □ LAVOFLAGIN □ NITAZOL □ NITAZOLE □ NITHIAMIDE □ 5-NITRO-2-ACETILAMINOTIAZOLO □ N-(5-NITRO-2-THIAZOLYL)ACETAMIDE □ PLEOCIDE □ TRICHLORAD □ TRICHOCID □ TRICHOMAN □ TRICHORAD □ TRICHORAL □ TRICOGEN □ TRICOLAVAL □ TRICORAL □ TRICOSTERIL □ TRIKOLAVAL □ TRITHEON

**TOXICITY DATA with REFERENCE:**

mmo-sat 500 nmol/L MUREAV 118,153,83

mmo-esc 20 µmol/L MUREAV 118,153,83

mmo-klp 20 µmol/L MUREAV 118,153,83

mrc-smc 200 ppm MUREAV 118,153,83

orl-rat LD50:>400 mg/kg ANTCAO 5,540,55

ipr-rat LD50:>200 mg/kg ANTCAO 5,540,55

scu-rat LD:>3200 mg/kg ANTCAO 5,540,55

orl-mus LD50:1 g/kg FRPSAX 19,301,64

ipr-mus LD50:>300 mg/kg ANTCAO 5,540,55

scu-mus LD:>3200 mg/kg ANTCAO 5,540,55

orl-dog LD50:125 mg/kg ANTCAO 5,540,55

orl-ckn LD50:800 mg/kg ANTCAO 5,540,55

**SAFETY PROFILE:** Poison by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.

**ACA125 HR: 3**  
**5-ACETYLAMINO-2,4,6-TRIODO ISOPHTHALIC ACID DI-(N-METHYL-2,3-DIHYDROXY PROPYLAMIDE)**

mf: C<sub>18</sub>H<sub>24</sub>I<sub>3</sub>N<sub>3</sub>O<sub>7</sub> mw: 775.15

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:31,965 mg/kg USXXAM #4001323

ice-mus LD50:1670 mg/kg USXXAM #4001323

par-rbt LD50:165 mg/kg USXXAM #4001323

**SAFETY PROFILE:** Poison by parenteral route. Moderately toxic by intracerebral route. When heated to decomposition it emits toxic fumes of  $\text{F}^-$  and  $\text{NO}_x$ .

**ACA750 CAS: 73637-16-8 HR: 2**  
**9-ACETYL-1,7,8-ANTHRACENETRIOL**

mf:  $\text{C}_{16}\text{H}_{11}\text{O}_4$  mw: 267.27

**SYNS:** 10-ACETYL-1,8,9-ANTHRACENETRIOL □ 10-ACETYLANTHRALIN □ 1,8-DIHYDROXY-10-ACETYL-9-ANTHRONE

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

**ACA900 HR: D**  
**ACETYLATED MONOGLYCERIDES**

**PROP:** Esters of glycerin with acetic acid and edible fat-forming fatty acids. (FCC III) May be white to pale yellow liquids or solids; bland taste. Sol in alc, acetone; insol in water.

**SYN:** ACETYLATED MONO- and DIGLYCERIDES

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

**ACB000 HR: 3**  
**ACETYL AZIDE**

mf:  $\text{C}_2\text{H}_3\text{N}_3\text{O}$  mw: 85.07

**SAFETY PROFILE:** A sensitive explosive. See also AZIDES and EXPLOSIVES.

**ACB250 CAS: 460-07-1 HR: 3**  
**1-ACETYLAZIRIDINE**

mf:  $\text{C}_4\text{H}_7\text{NO}$  mw: 85.12

**SYN:** ACETYLETHYLENEIMINE

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:13 mg/kg NCISA\* PH-43-63-1132

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

**SAFETY PROFILE:** Poison by intraperitoneal route. Questionable carcinogen with experimental tumorigenic and neoplastigenic data. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ACB300 CAS: 138111-89-4 HR: D**  
**N-ACETYLBATRACYLIN**

mf:  $\text{C}_{17}\text{H}_{13}\text{N}_3\text{O}_2$  mw: 291.33

**SYNS:** ACETAMIDE, N-(10,12-DIHYDRO-10-OXISOINDOLO(1,2-B)QUINAZOLIN-2-YL)- □ N-(10,12-DIHYDRO-10-OXISOINDOLO(1,2-B)QUINAZOLIN-2-YL)ACETAMIDE

**TOXICITY DATA with REFERENCE:**

mic-sat 10  $\mu\text{Lg}$ /plate CRNGDP 17,115,1996

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $\text{NO}_x$ .

**ACB750 HR: 3**  
**(4-(p-(p-ACETYLBENZAMIDO)ANILINO)-6-AMINO-1-METHYLQUINOLINIUM)-p-AMIDINO**

**HYDRAZONE-p-TOLUENESULFONATE-MONO-p-TOLUENSULFONATE**

mf:  $\text{C}_{26}\text{H}_{27}\text{N}_3\text{O} \cdot \text{C}_7\text{H}_7\text{O}_3\text{S} \cdot \text{C}_7\text{H}_5\text{O}_3\text{S}$  mw: 811.02

**TOXICITY DATA with REFERENCE:**

dnd-mus:lym 400 nmol/L JMCAR 22,134,79

ipr-mus LD10:40 mg/kg JMCAR 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  $\text{NO}_x$  and  $\text{SO}_x$ .

**ACC000 CAS: 3366-61-8 HR: 2**  
**N-ACETYLBENZIDINE**

mf:  $\text{C}_{14}\text{H}_{14}\text{N}_2\text{O}$  mw: 226.30

**PROP:** Needles from aqueous ethanol. Mp: 199°.

**SYNS:** 4'-ACETAMIDOBENZIDINE □ N-(4'-AMINO(1,1'-BIPHENYL)-4-YL)-ACETAMIDE □ 4'-(p-AMINOPHENYL)ACETANILIDE

**TOXICITY DATA with REFERENCE:**

mma-sat 5  $\mu\text{g}$ /plate ENMUDM 6,145,84

dnd-rat-ipr 25 mg/kg CNREA8 42,2678,82

dnd-rat:ivr 100 mg/L CRNGDP 5,407,84

orl-rat LD50:1630 mg/kg 28ZPAK -,131,72

**SAFETY PROFILE:** Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ACC100 CAS: 1646-26-0 HR: 2**  
**2-ACETYLBENZOFURAN**

mf:  $\text{C}_{10}\text{H}_8\text{O}_2$  mw: 160.18

**PROP:** Off-white crystals. Mp: 70°, bp: 110°.

**SYNS:** 2-ACETYLCOUMARONE □ 1-(2-BENZOFURANYL)ETHANONE □ BENZO(b)FURAN-2-YL METHYL KETONE □ 2-BENZOFURANYL METHYL KETONE □ ETHANONE, 1-(2-BENZOFURANYL)-(9CI) □ KETONE, 2-BENZOFURANYL METHYL

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1200 mg/kg EJMA5 12,383,77

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACC250 CAS: 644-31-5 HR: 3**  
**ACETYL BENZOYL PEROXIDE (solid)**

mf:  $\text{C}_9\text{H}_8\text{O}_4$  mw: 180.17

**PROP:** White crystals. Mp: 36–37°, bp: 130° @ 19 mm. Sol in oils, alc, ether, and chloroform.

**DOT CLASSIFICATION:** Forbidden

**SAFETY PROFILE:** Poison by inhalation and ingestion. Severe irritant. A powerful oxidizing agent that is corrosive to the skin and mucous membranes. See also PEROXIDES, ORGANIC. Dangerous; shock or heat will cause detonation with evolution of toxic fumes; will react with water or steam to produce heat; can react vigorously with reducing materials. Flammable by spontaneous chemical reaction. To fight fire, use  $\text{CO}_2$  or dry chemical.

When heated to decomposition it emits acrid smoke and fumes.

**ACC750 CAS: 63018-98-4 HR: 2**  
**2-ACETYL-3:4-BENZPHENANTHRENE**

mf: C<sub>20</sub>H<sub>14</sub>O mw: 270.34

**SYN:** 5-ACETYL BENZO(C)PHENANTHRENE

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

**ACD000 CAS: 4463-22-3 HR: 2**  
**N-ACETYL-4-BIPHENYLHYDROXYLAMINE**

mf: C<sub>14</sub>H<sub>13</sub>NO<sub>2</sub> mw: 227.28

**SYNS:** 4-BIPHENYLACETHYDROXAMIC ACID □ N-HYDROXY-AABP □ N-HYDROXY-4-ACETAMIDOBIPHENYL □ N-4-(N-HYDROXYACETAMIDO)BIPHENYL □ N-HYDROXY-4-ACETAMIDODIPHENYL □ N-HYDROXY-4-ACETYLAMINOBIPHENYL □ N-HYDROXY-N-4-BIPHENYLACETAMIDE

**TOXICITY DATA with REFERENCE:**

mnt-ham:ovr 290 µmol/L MUREAV 88,397,81

dns-hmn:oth 1 µmol/L JJIND8 72,847,84

dnd-rat-ipr 25 mg/kg COINAV 256,115,77

dns-rat:oth 10 µmol/L CNREA8 43,3974,82

dns-mus:oth 10 µmol/L CNREA8 43,3974,82

dns-rbt:oth 10 µmol/L CNREA8 45,221,85

dns-dog:oth 1 µmol/L CNREA8 42,3974,82

sce-ham:ovr 1440 µmol/L MUREAV 88,397,81

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and tumorigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ACD250 CAS: 3733-45-7 HR: 3**  
**N-(N-ACETYL-3-(p-(BIS(2-CHLOROETHYL)AMINO)PHENYL)ALANYL-3-PHENYLALANINE)ETHYL ESTER**

**SYN:** ETHYL ESTER of N-ACETYL-dl-SARCOLYSYL-L-PHENYLALANINE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:115 mg/kg FATOAO 33,472,70

ims-rat LD50:33 mg/kg FATOAO 33,472,70

rec-rat LD50:64 mg/kg FATOAO 33,472,70

**SAFETY PROFILE:** Poison by ingestion and intramuscular routes. When heated to decomposition it emits very toxic fumes of Cl<sup>-</sup> and NO<sub>x</sub>. See also ESTERS.

**ACD500 CAS: 18869-73-3 HR: 3**  
**1-ACETYL-3,3-BIS(p-HYDROXYPHENYL)OXINDOLE DIACETATE**

mf: C<sub>26</sub>H<sub>21</sub>NO<sub>6</sub> mw: 443.48

**PROP:** Crystals from aqueous ethanol. Mp: 201–202°.

**SYNS:** 1-ACETYL-3,3-BIS(4-(ACETYLOXY)PHENYL)-1,3-DIHYDRO-2H-INDOL-2-ONE □ ISATEX □ LAXAGEN □ LAXAGETTEN □ PHENISATIN □ TRIACETYLDIPHENOLISATIN □ TRISATIN □ UNILAX

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:500 mg/kg JAPMA8 42,468,53

ipr-rat LD50:350 mg/kg JAPMA8 42,468,53

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. A cathartic.

**ACD750 CAS: 506-96-7 HR: 3**  
**ACETYL BROMIDE**

**DOT:** UN 1716

mf: C<sub>2</sub>H<sub>3</sub>BrO mw: 122.96

**PROP:** Colorless, fuming liquid; turns yellow in air. Mp: –96.5°, bp: 76.7°, d: 1.52 @ 9.5°/4°. Decomp in water and alc; misc in benzene, ether, and chloroform.

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:250 mg/kg GTPZAB 20(12),52,76

ihl-uns LC50:48 g/m<sup>3</sup> GTPZAB 18(4),55,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** Poison by ingestion, inhalation, skin contact, and intraperitoneal routes. See also HYDROBROMIC ACID and ACETIC ACID. Violent reaction on contact with water, steam, methanol, or ethanol produces toxic and reactive HBr. When heated to decomposition it emits highly corrosive and toxic fumes of carbonyl bromide and bromine. To fight fire, use dry chemical, CO<sub>2</sub>.

**ACE000 CAS: 77-66-7 HR: 2**  
**1-ACETYL-3-(2-BROMO-2-ETHYL BUTYRYL)UREA**

mf: C<sub>9</sub>H<sub>15</sub>BrN<sub>2</sub>O<sub>3</sub> mw: 279.17

**PROP:** Mp: 109°. Sltly sol in water. Sol in EtOH, EtOAc.

**SYNS:** ABASIN □ ABSIN □ ACECARBROMAL □

ACETCARBROMAL □ ACETKARBROMAL □ ACETYL ADALIN □ N-((ACETYLAMINO)CARBONYL)-2-BROMO-2-

ETHYLBUTANAMIDE □

ACETYLBROMODIETHYLACETYL CARBAMIDE □ N-ACETYL-N-

BROMODIETHYLACETYL CARBAMIDE □ N-ACETYLN-

BROMODIETHYLACETYLUREA □ N-ACETYLN'-α-BROMO-α-

ETHYLBUTYRYL CARBAMIDE □ 1-ACETYL-3-(α-BROMO-α-

ETHYLBUTYRYL)UREA □ ACETYLCARBROMAL □ ADITYL □

CARBASED □ DAROLON □ IBATRAN □ PAXAREL □ SEDAMYL

□ SEDMYNOL □ SEDTRAN

**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:7 mg/kg:PSY 27ZQAG -,423,72

orl-mus LD50:1600 mg/kg CLDND\*

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by injection.

Human systemic effects by ingestion: toxic psychosis. When heated to decomposition it emits very toxic fumes of Br<sup>-</sup> and NO<sub>x</sub>. A sedative.

**ACE250 CAS: 77372-67-9 HR: D**  
**o-ACETYL-N-(p-BUTOXYPHENYLACETYL)HYDROXYLAMINE**

mf: C<sub>14</sub>H<sub>19</sub>NO<sub>4</sub> mw: 265.16

**SYN:** 4-N-BUTOXYPHENYLACETOHYDROXAMIC ACID-o-ACETATE ESTER

**TOXICITY DATA with REFERENCE:**

mno-sat 1 nmol/plate PAACA3 21,126,80

sce-ham:ovr 80 µmol/L/3H MUREAV 88,81,81

**SAFETY PROFILE:** Mutation data reported. See also ESTERS. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>.

**ACE500 CAS: 2813-95-8 HR: 3**  
**o-ACETYL-2-sec-BUTYL-4,6-DINITROPHENOL**

mf: C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>6</sub> mw: 282.28

**PROP:** Oil or crystals. Mp: 26–27°.

**SYNS:** ACETIC ACID, (2,4-DINITRO-6-s-BUTYLPHENYL) ESTER  
 □ ACETIC ACID, (4,6-DINITRO-2-s-BUTYLPHENYL) ESTER □ O-ACETYL-2-sec-BUTYL-4,6-DINITROPHENOL □ ARETIT □ ARETIT (the phenol) □ 2-sek.BUTYL-4,6-DINITROFENYLESTER KYSELINY OCTOVE (CZECH) □ 2-sec-BUTYL-4,6-DINITROPHENOL ACETATE (ester) □ 2-sec-BUTYL-4,6-DINITROPHENYLACETATE □ 6-sec-BUTYL-2,4-DINITROPHENYLACETATE □ 2,4-DINITRO-6-sec-BUTYLPHENYLESTER KYSELINY OCTOVE (CZECH) □ 2,4-DINITRO-6-sek.BUTYL-PHENYLACETAT (GERMAN) □ 4,6-DINITRO-2-s-BUTYLPHENYL ACETATE □ DINOSEB-ACETATE □ DINOSEBE ACETATE □ HOE 2904 □ β-(2-HYDROXY-3,5-DINITROPHENYL)BUTANE ACETATE □ IVOSIT □ 2-(1-METHYLPROPYL)-4,6-DINITROPHENYL ACETATE □ PHENOL, 2-sec-BUTYL-4,6-DINITRO-, ACETATE (ESTER) (8CI) □ PHENOL, 2-(1-METHYLPROPYL)-4,6-DINITRO-, ACETATE (ESTER) (9CI) □ PHENOTAN

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD 28ZPAK -,131,72

eye-rbt 500 mg/24H MOD 28ZPAK -,131,72

orl-rat LD50:60 mg/kg FMCHA2 -,C26,91

ihl-rat LC50:1300 mg/m<sup>3</sup>/4H 85JFAN A160,83

orl-ckn LD50:40 mg/kg GUHAZ 6,229,73

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by inhalation. A skin and eye irritant. See also ESTERS and NITRO COMPOUNDS of AROMATIC HYDROCARBONS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. A herbicide.

**ACE600 CAS: 81-14-1 HR: 1**  
**2-ACETYL-5-tert-BUTYL-4,6-DINITROXYLENE**

mf: C<sub>14</sub>H<sub>18</sub>N<sub>2</sub>O<sub>5</sub> mw: 294.34

**SYNS:** ACETOPHENONE, 4'-tert-BUTYL-2',6'-DIMETHYL-3',5'-DINITRO- □ 1-(4-(1,1-DIMETHYLETHYL)-2,6-DIMETHYL-3,5-DINITROPHENYL)ETHANONE □ ETHANONE,1-(4-(1,1-DIMETHYLETHYL)-2,6-DIMETHYL-3,5-DINITROPHENYL)- □ MUSK KETONE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>10 g/kg FCTXAV 13,877,1975

skn-rbt LD50:>10 g/kg FCTXAV 13,877,1975

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Low toxicity by ingestion and skin contact. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ACF000 CAS: 36573-63-4 HR: 3**

**3'-o-ACETYLCALOTROPIN**

mf: C<sub>31</sub>H<sub>42</sub>O<sub>10</sub> mw: 574.73

**PROP:** Crystals from MeOH. Mp: 308–309°. A glycoside isolated from *Asclepius curassica* (ARZNAD 28,1095,78).

**SYN:** ASCLEPIN

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:15 mg/kg ARZNAD 28,1095,78

ivn-pgn LDLo:400 µg/kg ARZNAD 28,1095,78

scu-frg LDLo:5 mg/kg ARZNAD 28,1095,78

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

**ACF100 CAS: 1888-91-1 HR: 2**  
**ACETYLCAPROLACTAM**

mf: C<sub>8</sub>H<sub>13</sub>NO<sub>2</sub> mw: 155.22

**PROP:** Colorless liquid. Bp: 134°

**SYNS:** N-ACETYLCAPROLACTAM □ ACETYLKAPROLAKTAM □ 2H-AZEPIN-2-ONE, 1-ACETYLHEXAHYDRO-

**TOXICITY DATA with REFERENCE:**

orl-uns LD50:1300 mg/kg 85JCAE -,884,86

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ACF150 CAS: 62501-24-0 HR: 2**  
**ACETYL CARENE**

mf: C<sub>12</sub>H<sub>18</sub>O mw: 178.30

**SYNS:** ETHANONE, 1-(3,7,7-

TRIMETHYLBICYCLO(4.1.0)HEPTENYL)-(9CI) □ 1-(3,7,7-

TRIMETHYLBICYCLO(4.1.0)HEPTENYL)ETHANONE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3100 mg/kg FCTXAV 13,691,1975

skn-rbt LD50:>5 g/kg FCTXAV 13,691,1975

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

**ACF250 CAS: 80449-58-7 HR: 1**  
**ACETYL CEDRENE**

**PROP:** Prepared by acetylation of the hydrocarbon portion of cedarwood oil in the presence of an acid catalyst.

**SYN:** VERTOFIX COEUR

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTXAV 16,637,78

orl-rat LD50:5200 mg/kg FCTXAV 16,637,78

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

**ACF750 CAS: 75-36-5 HR: 3**  
**ACETYL CHLORIDE**

**DOT:** UN 1717

mf: C<sub>2</sub>H<sub>3</sub>ClO mw: 78.50

**PROP:** Colorless, pungent liquid. Fuming in air. Mp: –112°, bp: 51–52°, flash p: 40°F (CC), autoign temp: 734°F, d: 1.1051 @ 20°/4°, vap d: 2.70, lel: 5%. Decomp in

## 42 ACG125 1-(3-(3-ACETYL-4-(p-(CHLOROPHENYL) PIPERIDINO)PROPYL)-

water and alc; misc in benzene, ether, and chloroform. Sol in Et<sub>2</sub>O, C<sub>6</sub>H<sub>6</sub>.

**SYNS:** ACETIC ACID CHLORIDE □ ACETIC CHLORIDE □ ETHANOYL CHLORIDE □ RCRA WASTE NUMBER U006

### TOXICITY DATA with REFERENCE:

ihl-hmn TCLo:2 ppm/1M:IRR TGNCDL 2,28,61

orl-rat LD50:910 mg/kg GTPZAB 32(3),48,88

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid, Corrosive

**SAFETY PROFILE:** Poison by inhalation. Moderately toxic by ingestion. A human systemic irritant by inhalation. Violent hydrolysis reaction with water or steam produces heat, acetic acid, HCl, and other corrosive chlorides. May decompose during preparation. Dangerous fire hazard when exposed to heat or flame. Explosion hazard by spontaneous chemical reaction with dimethyl sulfoxide or ethanol. Also incompatible with PCl<sub>3</sub>. When heated to decomposition it emits highly toxic fumes of phosgene and Cl<sup>-</sup>. To fight fire, use CO<sub>2</sub> or dry chemical. See also CHLORIDES.

## ACG125 CAS: 39426-77-2 HR: 3 1-(3-(3-ACETYL-4-(p-(CHLOROPHENYL) PIPERIDINO)PROPYL)-4-METHYL PIPERAZINE) TRIHYDROCHLORIDE

mf: C<sub>21</sub>H<sub>32</sub>ClN<sub>3</sub>O•3ClH mw: 487.39

**SYNS:** 4-ACETYL-4-(3-CHLOROPHENYL)-1-(3-(4-METHYLPIPERAZINO)-PROPYL)PIPERIDINE

TRIHYDROCHLORIDE □ TROJCHLOROWODOREK 4-ACETYL-4-(3-CHLOROPHENYL)-1-(3-(4-METHYLOPIPERAZINO)-PROPYLO)-PIPERYDINY

### TOXICITY DATA with REFERENCE:

orl-mus LD50:2290 mg/kg APPHAX 37,579,80

scu-mus LD50:2694 mg/kg APPHAX 37,579,80

ivn-mus LD50:148 mg/kg APPHAX 37,579,80

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and other routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl.

## ACG250 CAS: 38838-26-5 HR: 3 N-ACETYL COLCHINOL

mf: C<sub>20</sub>H<sub>23</sub>NO<sub>5</sub> mw: 357.44

**SYNS:** N-ACETYL-COLCHINOL (GERMAN) □ (S)-N-(3-HYDROXY-9,10,11-TRIMETHOXY-5H-DIBENZO(a,c)CYCLOHEPTEN-5-YL)-ACETAMIDE (9CI)

### TOXICITY DATA with REFERENCE:

oms-mus-ipr 28 mg/kg CANCAR 3,130,50

oms-mus-par 56 mg/kg CANCAR 3,130,50

spm-mus-par 56 mg/kg CANCAR 3,130,50

unk-rat LDLo:200 mg/kg CANCAR 3,124,50

ipr-mus LD50:56 mg/kg CANCAR 3,124,50

unk-cat LDLo:10 mg/kg CANCAR 3,124,50

**SAFETY PROFILE:** Poison by intraperitoneal and other unspecified routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

## ACG300 CAS: 3179-56-4 HR: 3 ACETYL CYCLOHEXANEPERSULFONATE

mf: C<sub>8</sub>H<sub>14</sub>O<sub>5</sub>S mw: 222.28

**PROP:** White solid, often shipped as liquid. Flash pt: 62.15°C

**SYNS:** ACETYL CYCLOHEXYLSULFONYL PEROXIDE □ ACETYL CYCLOHEXANESULFONYL PEROXIDE, >82% wetted with <12% water (DOT) □ LUPERSOL 228Z □ PEROXIDE, ACETYL CYCLOHEXYLSULFONYL

**DOT CLASSIFICATION:** Forbidden

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** A very unstable peroxide. Combustible liquid. When heated to decomposition it emits toxic vapors of SO<sub>x</sub>.

## ACH000 CAS: 616-91-1 HR: 3 N-ACETYL-L-CYSTEINE

mf: C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>S mw: 163.21

**PROP:** Crystals from water. Mp: 109–110°.

**SYNS:** 1-α-ACETAMIDO-β-MERCAPTOPROPIONIC ACID □ ACETEIN □ ACETYLCYSTEINE □ N-ACETYLCYSTEINE □ N-ACETYL-N-CYSTEINE □ N-ACETYL-L-CYSTEINE (9CI) □ N-ACETYL-3-MERCAPTOALANINE □ AIRBRON □ BRONCHOLYSIN □ FLUIMUCETIN □ FLUIMUCIL □ FLUMICIL □ INSPIR □ MERCAPTURIC ACID □ (R)-MERCAPTURIC ACID □ MUCOLYTICUM □ MUCOLYTICUM LAPPE □ MUCOMYST □ MUCOSOLVIN □ NAC □ NAC-TB □ NSC-111180 □ PARVOLEX □ RESPIRE

### TOXICITY DATA with REFERENCE:

mma-sat 8 µg/plate CRNGDP 7,431,86

orl-rat LD50:5050 mg/kg TXAPA9 18,185,71

ivn-rat LD50:1140 mg/kg EJRDD2 61(Suppl 111),45,80

orl-mus LD50:7888 mg/kg THEWA6 30,1926,80

ipr-mus LD50:400 mg/kg NTIS\*\* AD691-490

ivn-mus LD50:3800 mg/kg JMCMAR 10,1172,67

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by other routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

## ACH075 CAS: 50722-38-8 HR: 3 3-ACETYLDEOXYNIVALENOL

mf: C<sub>17</sub>H<sub>22</sub>O<sub>7</sub> mw: 338.39

**PROP:** Crystals from Et<sub>2</sub>O/pentane. Mp: 185.5–186°.

**SYNS:** DEHYDRONIVALENOL MONOACETATE □ DEOXYNIVALENOL MONOACETATE

### TOXICITY DATA with REFERENCE:

skn-gpg 3384 ng MLD FAATDF 4(2, Pt 2),S124,84

orl-mus LD50:34 mg/kg FAATDF 4(2, Pt 2),S124,84

ipr-mus LD50:47 mg/kg 41KEAL -,108,78

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes.

## ACH080 CAS: 64694-79-7 HR: D N-ACETYL-7H-DIBENZO(c,g)CARBAZOLE

mf: C<sub>22</sub>H<sub>15</sub>NO mw: 309.38

**SYN:** 7H-DIBENZO(c,g)CARBAZOLE, 7-ACETYL-

### TOXICITY DATA with REFERENCE:

add-ipr-mus 5  $\mu\text{mol/kg}$  EMMUEG 25,202,1995

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $\text{NO}_x$ .

**ACH090 CAS: 22439-58-3 HR: 3**  
**2-ACETYLDIBENZOTHIOPHENE**

**PROP:** A liquid.

mf:  $\text{C}_{14}\text{H}_{10}\text{OS}$  mw: 226.30

**SYNS:** KETONE, 2-DIBENZOTHIENYL METHYL  $\square$  DIBENZOTHIEN-2-YL METHYL KETONE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX\* NX#01248

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of  $\text{SO}_x$ .

**ACH125 CAS: 59183-18-5 HR: 3**  
**ACETYL-1,1-DICHLOROETHYL PEROXIDE**

mf:  $\text{C}_4\text{H}_6\text{Cl}_2\text{O}_3$  mw: 173.00

$\text{CH}_3\text{CO}\cdot\text{OOCCL}_2\text{CH}_3$

**SAFETY PROFILE:** A viscous liquid explosive, sensitive to friction and heat. When heated to decomposition it emits toxic fumes of  $\text{Cl}^-$ . See also PEROXIDES.

**ACH250 CAS: 69225-98-5 HR: 3**  
**1-ACETYL-3-(2,2-DICHLOROETHYL)UREA**

mf:  $\text{C}_5\text{H}_8\text{Cl}_2\text{N}_2\text{O}_2$  mw: 199.05

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:300 mg/kg JPETAB 42,1,31

scu-rbt LDLo:800 mg/kg JPETAB 42,1,31

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by subcutaneous route. When heated to decomposition it emits very toxic fumes of  $\text{Cl}^-$  and  $\text{NO}_x$ .

**ACH300 CAS: 75659-26-6 HR: 2**  
**14-ACETYLDICTYOCARPINE**

mf:  $\text{C}_{28}\text{H}_{41}\text{NO}_9$  mw: 535.70

**SYNS:** ACONITANE-6,10,14-TRIOL, 1,16-DIMETHOXY-20-ETHYL-4-METHYL-7,8-(METHYLENEBIS(OXY))-, 6,14-DIACETATE, (1- $\alpha$ -6- $\beta$ ,14- $\alpha$ -16- $\beta$ )-  $\square$  DICTYOCARPINE 14-ACETATE  $\square$  DICTYOCARPINE 6,14-DIACETATE

**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:765 mg/kg JAFCAU 41,96,93

**SAFETY PROFILE:** Moderately toxic by subcutaneous route. When heated to decomposition it emits toxic vapors of  $\text{NO}_x$ .

**ACH375 CAS: 73987-00-5 HR: 3**  
**16-ACETYLDIGITALINUM VERUM**

**SYN:** 16-ACETATE DIGITOXIN

**TOXICITY DATA with REFERENCE:**

ivn-cat LDLo:255  $\mu\text{g/kg}$  JMPCAS 5,988,62

orl-frg LD50:36,800  $\mu\text{g/kg}$  JPAAZ 9,91,60

scu-frg LD50:490  $\mu\text{g/kg}$  JPAAZ 9,91,60

**SAFETY PROFILE:** Poison by ingestion, subcutaneous and intravenous routes.

**ACH500 CAS: 1111-39-3 HR: 3**

**ACETYLDIGITOXIN- $\alpha$**

mf:  $\text{C}_{43}\text{H}_{66}\text{O}_{14}$  mw: 807.09

**PROP:** Platelets from MeOH. Mp: 217–221°.

**SYNS:**  $\alpha$ -ACETYLDIGITOXIN  $\square$  ACYLANID

**TOXICITY DATA with REFERENCE:**

orl-cat LD50:250  $\mu\text{g/kg}$  AIPTAK 159,1,66

ivn-cat LD50:514  $\mu\text{g/kg}$  JPETAB 111,365,54

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits acrid smoke and fumes. See also DIGITOXIN.

**ACH750 CAS: 1264-51-3 HR: 3**  
**ACETYLDIGITOXIN- $\beta$**

mf:  $\text{C}_{43}\text{H}_{66}\text{O}_{14}$  mw: 807.09

**SYNS:**  $\beta$ -ACETYLDIGOXIN  $\square$  DIGITOXIGENIN + 2-DIGITOXOSE + 1-ACETYL-(4)-DIGITOSE (GERMAN)  $\square$  DIGITOXIGENIN + 2-DIGITOXOSE + ACETYL-(3)-DIGITOXOSE (GERMAN)

**TOXICITY DATA with REFERENCE:**

ivn-cat LD50:476  $\mu\text{g/kg}$  JPETAB 111,365,54

orl-gpg LD50:50 mg/kg AIPTAK 159,1,66

ivn-gpg LDLo:1750  $\mu\text{g/kg}$  ARZNAD 15,481,65

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits acrid smoke and fumes. See also DIGITOXIN.

**ACI000 CAS: 5511-98-8 HR: 3**  
**ACETYLDIGOXIN- $\alpha$**

mf:  $\text{C}_{43}\text{H}_{66}\text{O}_{15}$  mw: 823.09

**PROP:** Prisms from MeOH/ $\text{CHCl}_3$ .

**SYNS:**  $\alpha$ -ACETYLDIGOXIN  $\square$  DIGORID A  $\square$  DIGOXIGENIN + ZUCKERKETTE WIE BEI ACETYL-DIGITOXIN  $\alpha$  (GERMAN)

**TOXICITY DATA with REFERENCE:**

orl-cat LD50:200  $\mu\text{g/kg}$  AIPTAK 159,1,66

ivn-cat LD50:466  $\mu\text{g/kg}$  JPETAB 111,365,54

idu-cat LDLo:494  $\mu\text{g/kg}$  ARZNAD 20,1765,70

orl-gpg LD50:3300  $\mu\text{g/kg}$  AIPTAK 159,1,66

ivn-gpg LDLo:1380  $\mu\text{g/kg}$  ARZNAD 15,483,65

**SAFETY PROFILE:** Deadly poison by ingestion, intravenous, and intraduodenal routes. When heated to decomposition it emits acrid smoke and fumes. See also DIGITOXIN.

**ACI250 CAS: 5355-48-6 HR: 3**  
**ACETYLDIGOXIN- $\beta$**

mf:  $\text{C}_{43}\text{H}_{66}\text{O}_{15}$  mw: 823.09

**PROP:** Needles from EtOH/ $\text{CHCl}_3$ .

**SYNS:**  $\beta$ -ACETYLDIGOXIN  $\square$  DIGORID B  $\square$  DIGOXIGENIN + ZUCKERKETTE WIE BEI ACETYL-DIGITOXIN- $\alpha$  (GERMAN)  $\square$  HEXAMETHYLENEIMINE-3,5-DINITROBENZOATE

**TOXICITY DATA with REFERENCE:**

orl-dog LD50:422  $\mu\text{g/kg}$  ARZNAD 24,1914,74

ivn-cat LD50:430  $\mu\text{g/kg}$  JPETAB 111,365,54

idu-cat LDLo:413  $\mu\text{g/kg}$  ARZNAD 19,687,69

orl-gpg LD50:2400  $\mu\text{g/kg}$  ARZNAD 15,481,65

ivn-gpg LDLo:1500  $\mu\text{g/kg}$  ARZNAD 15,481,65

**SAFETY PROFILE:** Deadly poison by ingestion, intravenous, and intraduodenal routes. When heated to

decomposition it emits acrid smoke and fumes. See also DIGITOXIN.

**ACI375 CAS: 21380-82-5 HR: 3**  
**ACETYLDIMETHYLARSINE**

mf:  $C_4H_9AsO$  mw: 148.04

**PROP:** Colorless liquid. Bp: 60°.

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

**SAFETY PROFILE:** A poison. Ignites on contact with air. When heated to decomposition it emits toxic fumes of As. See also ARSENIC COMPOUNDS.

**ACI400 CAS: 10599-70-9 HR: D**  
**3-ACETYL-2,5-DIMETHYLFURAN**

mf:  $C_8H_{10}O_2$  mw: 138.16

**PROP:** Yellow liquid; strong roasted nutlike odor. D: 1.027–1.048, refr index: 1.475–1.496 (25°). Sol in alc, propylene glycol, fixed oils; sltly sol in water.

**SYNS:** 2,5-DIMETHYL-3-ACETYLFURAN □ FEMA No. 3391

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

**ACI500 CAS: 2386-25-6 HR: 3**  
**3-ACETYL-2,4-DIMETHYL-PYRROLE**

mf:  $C_8H_{11}NO$  mw: 137.20

**PROP:** Solid. Mp: 137°.

**SYN:** 2,4-DIMETHYLPYRROL-3-YL METHYL KETONE

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:250 mg/kg JMCMA 11,1251,68

ipr-mus LD50:400 mg/kg JMCMA 11,1251,68

ivn-mus LD50:71 mg/kg CSLNX\* NX#04669

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACI550 CAS: 1500-94-3 HR: 3**  
**3-ACETYL-2,5-DIMETHYL-PYRROLE**

mf:  $C_8H_{11}NO$  mw: 137.20

**SYNS:** 2,5-DIMETHYLPYRROL-3-YL METHYL KETONE □ KETONE, 2,5-DIMETHYLPYRROL-3-YL METHYL

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:225 mg/kg JMCMA 11,1251,68

ipr-mus LD50:553 mg/kg JMCMA 11,1251,68

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACI629 CAS: 35629-40-4 HR: 2**  
**N-ACETYL-N-(4,5-DIPHENYL-2-OXAZOLYL) ACETAMIDE**

mf:  $C_{19}H_{16}N_2O_3$  mw: 320.37

**SYN:** N-(4,5-DIPHENYL-2-OXAZOLYL)DIACETAMIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1600 mg/kg JMCMA 14,1075,71

ipr-mus LD50:400 mg/kg JMCMA 14,1075,71

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

**ACI640 CAS: 117568-24-8 HR: 3**  
**10-ACETYLDITHRANOL**

mf:  $C_{16}H_{12}O_5$  mw: 284.28

**SYNS:** 10-(ACETYLOXY)-1,8-DIHYDROXY-9(10H)-

ANTHRACENONE □ DITHRANOL, 10-ACETYL- □ 9(10H)-

ANTHRACENONE, 1,8-DIHYDROXY-10-(1-OXOETHYL)- □

9(10H)-ANTHRACENONE, 10-(ACETYLOXY)-1,8-DIHYDROXY-

**TOXICITY DATA with REFERENCE:**

skn-hmn 0.02%/24H ADVEA4 59(85),125,1979

mic-sat 25  $\mu$ Lg/plate ARTODN 59,180,1986

cyt-hmn-lym 15  $\mu$ g/ ARTODN 59,180,1986

orl-rat LD50:347 mg/kg ARTODN 59,180,1986

**SAFETY PROFILE:** A poison by ingestion. A skin irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating vapors.

**ACI750 CAS: 74-86-2 HR: 3**  
**ACETYLENE**

**DOT:** UN 1001

mf:  $C_2H_2$  mw: 26.04

**PROP:** Colorless gas; garlic-like odor. Flammable. Bp: -84.0° (subl), lel: 2.5%, uel: 82%, mp: -81.8°, flash p: 0°F (CC), d: 1.173 g/L @ 0°, autoign temp: 581°F, vap press: 40 atm @ 16.8°, vap d: 0.91, d: (liquid) 0.613 @ -80°, d: (solid) 0.730 @ -85°. Sltly sol in water; mod sol in ethanol and acetic acid; very sol in  $Me_2CO$ ; almost misc in ether.

**SYNS:** ACETYLEN □ ACETYLENE, dissolved (DOT) □ ETHINE □ ETHYNE □ NARCYLEN

**TOXICITY DATA with REFERENCE:**

ihl-hmn TCLo:20 pph:CNS,RSP 34ZIAG -,67,69

ihl-hmn LCLo:50 pph/5M TABIA2 3,231,33

ihl-uns LCLo:50 pph/5M AEPPAE 138,65,28

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**OSHA PEL:** CL 2500 ppm

**ACGIH TLV:** Simple asphyxiant

**NIOSH REL:** (Acetylene) 10H TWA no exposure >2500 ppm

**DOT CLASSIFICATION:** Forbidden; DOT Class 2.1; Label: Flammable Gas

**SAFETY PROFILE:** Mildly toxic by inhalation. Human systemic effects by inhalation: headache and dyspnea. Narcotic in high concentration. In general industrial practice, acetylene does not constitute a serious toxic hazard. It is a very dangerous fire hazard when exposed to heat, flame, or oxidizers. Moderate explosion hazard when exposed to heat or flame or by spontaneous chemical reaction. At high pressures and moderate temperatures, and in the absence of air, acetylene has been known to decompose explosively. Reacts with copper to form the explosive copper acetylide. Incompatible with brass, copper salts, copper carbide, powdered Co, Hg, Hg salts, K, Ag and Ag salts, RbH, CsH, halogens,  $HNO_3$ , NaH, oxidants. Acetylene + halide + UV can explode. Molten K ignites in

C<sub>2</sub>H<sub>2</sub> and then explodes. C<sub>2</sub>H<sub>2</sub> reacts vigorously with trifluoromethyl hypofluorite. With O<sub>2</sub>, C<sub>2</sub>H<sub>2</sub> can detonate very powerfully. See ACETYLIDES. When ignited, it burns with an intensely hot flame; can react vigorously with oxidizing materials.

When mixed with O<sub>2</sub> in proportions of 40% or more, acetylene acts as a narcotic and has been used in anesthesia. Acetylene acts as a simple asphyxiant by diluting the O<sub>2</sub> in the air to a level that will not support life. However, the presence of impurities in commercial acetylene may result in the production of symptoms before an asphyxiant concentration is reached. Thus: 10% in air produces a slight intoxication, 20% produces a staggering gait, 30% produces general incoordination, 33% leads to unconsciousness in 7 minutes, up to 80% produces complete anesthesia, increased blood pressure, narcosis, and stimulated respiration.

Dizziness, headache, mild gastric symptoms, and (in high concentration) semi-asphyxia and brief loss of consciousness have all been reported. See ARGON for a discussion of simple asphyxiants. To fight fire, use CO<sub>2</sub>, water spray, or dry chemical. Stop flow of gas.

**ACJ000****HR: 3****ACETYLENE CHLORIDE**mf: CHCl<sub>3</sub> mw: 60.48**PROP:** A gas. Bp: -31°, vap d: 2.0, mp: -126°.**SYN:** CHLOROETHYNE

**SAFETY PROFILE:** Dangerous fire hazard by spontaneous chemical reaction. Spontaneously flammable in air. Shock will explode it. When heated to decomposition it emits highly toxic fumes of phosgene; can react vigorously with oxidizing materials. See also ACETYLENE COMPOUNDS and CHLORINATED HYDROCARBONS, ALIPHATIC.

**ACJ125****HR: 3****ACETYLENE COMPOUNDS and ALKYNES**

**SAFETY PROFILE:** The carbon-carbon triple bond is explosively unstable in many acetylenic compounds. Both the lower alkynes (i.e., propyne, butadiene) and higher compounds may undergo explosive decomposition. The presence of halogens and heavy metal derivatives may increase these explosive tendencies. See also ACETYLENE, ACETYLIDES, and specific compounds.

**ACJ250****CAS: 543-21-5****HR: 3****ACETYLENEDICARBOXAMIDE**mf: C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub> mw: 112.10

**PROP:** Crystals from MeOH (aqueous). Mp: 216–218°, (decomp). Produced by *Str. reticuli* var. *Aquamyces* and is identical to Cellocidin.

**SYNS:** ACETYLENEDICARBOXYLIC ACID DIAMIDE □ AQUAMYCIN □ 2-BUTYNYEDIAMIDE □ CELLOCIDIN □ LENAMYCIN □ RENAMYCIN

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:89,200 µg/kg JPIFAN (1),15,69  
skn-mus LD50:667 mg/kg JPIFAN (1),15,69  
ivn-mus LD50:11 mg/kg JAJAAA 11,81,58

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Moderately toxic by skin contact. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also ACETYLENE COMPOUNDS and ALKYNES.

**ACJ500****CAS: 928-04-1****HR: 3****ACETYLENEDICARBOXYLIC ACID MONO POTASSIUM SALT****PROP:** White powder.mf: C<sub>4</sub>HO<sub>4</sub>•K mw: 152.15

**SYNS:** MONOPOTASSIUM SALT of ACETYLENEDICARBOXYLIC ACID □ U-4783

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:63 mg/kg TXAPA9 17,733,70  
ipr-mus LD50:32 mg/kg TXAPA9 17,733,70  
ivn-mus LD50:89 mg/kg TXAPA9 17,733,70

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits acrid smoke and fumes of KO<sub>x</sub>. See also ACETYLENE COMPOUNDS.

**ACK000****CAS: 156-60-5****HR: 2****trans-ACETYLENE DICHLORIDE**mf: C<sub>2</sub>H<sub>2</sub>Cl<sub>2</sub> mw: 96.94

**PROP:** Colorless liquid; pleasant odor. Mp: -50°, bp: 48°, flash p: 36°F, autoign temp: 860°F, lel: 9.7%, uel: 12.8%, d: 1.2743 @ 25°/4°, vap press: 400 mm @ 30.8°, vap d: 3.34.

**SYNS:** trans-DICHLOROETHYLENE □ trans-1,2-DICHLOROETHYLENE (MAK) □ RCRA WASTE NUMBER U079

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD JACTDZ 1,11,90  
eye-rbt 10 mg MOD JACTDZ 1,11,90  
mma-smc 80 mmol/L TCMUD8 4,365,84  
ihl-rat TCLo:12,000 ppm/6H (female 7-16D post):REP FAATDF 20,225,93  
ihl-hmn TCLo:4800 mg/m<sup>3</sup>/10M:CNS AHBAAM 116,131,36  
orl-rat LD50:1235 mg/kg TXCYAC 7,141,77  
ipr-rat LD50:7411 mg/kg TXCYAC 7,141,77  
orl-mus LD50:2122 mg/kg DCTODJ 8,373,85  
ipr-rat LD50:7536 mg/kg TXCYAC 7(2),141,77  
ihl-mus LCLo:75,000 mg/m<sup>3</sup>/2H AHBAAM 116,131,36  
ipr-mus LD50:4019 mg/kg TXCYAC 7,141,77  
ihl-cat LCLo:43,000 mg/m<sup>3</sup>/6H AHBAAM 116,131,36

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DFG MAK:** 200 ppm (800 mg/m<sup>3</sup>)

**SAFETY PROFILE:** Moderately toxic by ingestion. Mildly toxic by inhalation. Human systemic effects by inhalation: sleep, hallucinations, and distorted perceptions. Experimental reproductive effects. A skin and eye irritant. Mutation data reported. Exposure to high vapor concentration can cause nausea, vomiting, weakness, tremor, and cramps. Recovery is usually prompt following removal from exposure. Dermatitis may result from

defatting action on skin. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Moderate explosion hazard in the form of vapor when exposed to flame. Violent reaction with difluoromethylene dihypofluorite. Forms shock-sensitive explosive mixtures with dinitrogen tetroxide. Reaction with solid caustic alkalis or their concentrated solutions produces chloroacetylene gas that ignites spontaneously in air. Reacts violently with  $\text{N}_2\text{O}_4$ , KOH, Na, NaOH. Moderate explosion hazard in the form of vapor when exposed to flame. Can react vigorously with oxidizing materials. To fight fire, use water spray, foam,  $\text{CO}_2$ , dry chemical. When heated to decomposition it emits toxic fumes of  $\text{Cl}^-$ . See also CHLORIDES; CHLORINATED HYDROCARBONS, ALIPHATIC; and ACETYLENE COMPOUNDS.

**ACK250 CAS: 79-27-6 HR: 3**

**ACETYLENE TETRABROMIDE**

mf:  $\text{C}_2\text{H}_2\text{Br}_4$  mw: 345.68

**PROP:** Colorless to yellow liquid. Bp:  $151^\circ$  @ 54 mm, fp:  $-1^\circ$ , d: 2.9638 @  $20^\circ/4^\circ$ , mp:  $0.1^\circ$ , autoign temp:  $635^\circ\text{F}$ . IDLH 8 ppm.

**SYNS:** MUTHMANN'S LIQUID □ TBE □ 1,1,2,2-TETRA BROMAETHAN (GERMAN) □ TETRABROMOACETYLENE □ 1,1,2,2-TETRABROMOETANO (ITALIAN) □ S-TETRABROMO ETHANE □ 1,1,2,2-TETRABROMOETHANE □ 1,1,2,2-TETRABROOMETHAAN (DUTCH)

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD AIHAAP 24,28,63  
eye-rbt 100 mg MLD AIHAAP 24,28,63  
mmo-sat 10  $\mu\text{g}/\text{plate}$  TECSKY 15,101,87  
dnr-esc 29,640  $\mu\text{g}/\text{disc}$  MUREAV 41,61,76  
skn-mus TDLo:130 g/kg/74W-I:NEO JJIND8 63,1433,79  
orl-rat LD50:1200 mg/kg VRDEA5 (3),80,67  
ihl-rat LC50:549 mg/ $\text{m}^3/4\text{H}$  85GMAT -,107,82  
skn-rat LD50:5250 mg/kg 85GMAT -,107,82  
orl-mus LD50:269 mg/kg 85GMAT -,107,82  
ipr-mus LD50:443 mg/kg ABMGAJ 41,945,82  
ipr-mus LD50:443 mg/kg ABMGAJ 41,945,82  
orl-gpg LD50:400 mg/kg AIHAAP 30,251,69  
orl-rbt LD50:400 mg/kg AMIHBC 2,407,50

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

**OSHA PEL:** TWA 1 ppm

**ACGIH TLV:** TWA 1 ppm

**DFG MAK:** 1 ppm (14 mg/ $\text{m}^3$ )

**SAFETY PROFILE:** Poison by inhalation, ingestion, and intraperitoneal routes. An eye and skin irritant and a narcotic. Questionable carcinogen with experimental neoplastigenic data. Mutation data reported. When heated it emits highly toxic fumes of carbonyl bromide and  $\text{Br}^-$ . See also ACETYLENE COMPOUNDS and BROMIDES.

**ANALYTICAL METHOD:** For occupational chemical analysis use NIOSH: see 1,1,2,2-tetrabromoethane, 2003.

**ACL000 CAS: 2597-54-8 HR: 2**

**N-ACETYL ETHYL CARBAMATE**

mf:  $\text{C}_6\text{H}_9\text{NO}_3$  mw: 131.15

**SYN:** ACETYLURETHANE

**TOXICITY DATA with REFERENCE:**

ipr-mus TD:3650 mg/kg/5W-I:ETA IJCNAW 4,318,69

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic and tumorigenic data. See also CARBAMATES. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ACL250 CAS: 25614-78-2 HR: 3**  
**N-ACETYLETHYL-2-cis-CROTONYLCARBAMIDE**

mf:  $\text{C}_9\text{H}_{14}\text{N}_2\text{O}_3$  mw: 198.25

**SYN:** HOMEOSTAN

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:3500 mg/kg 27ZQAG -,423,72

ipr-mus LD50:1500 mg/kg 27ZQAG -,423,72

ivn-mus LD50:300 mg/kg 27ZQAG -,423,72

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ACL500 CAS: 52217-47-7 HR: 2**  
**N'-ACETYL ETHYLNITROSOUREA**

mf:  $\text{C}_5\text{H}_9\text{N}_3\text{O}_3$  mw: 159.17

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:550 mg/kg PPTCBY 2,85,72

**SAFETY PROFILE:** Moderately toxic by ingestion. Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**ACL750 CAS: 88-29-9 HR: 3**  
**ACETYL ETHYL TETRAMETHYL TETRALIN**

mf:  $\text{C}_{18}\text{H}_{26}\text{O}$  mw: 258.44

**PROP:** White crystals.

**SYNS:** ACETYLETHYL TETRAMETHYLTETRALIN □ 6-ACETYL-1,1,4,4-TETRAMETHYL-7-ETHYL-1,2,3,4-TETRALIN □ 7-ACETYL-1,1,4,4-TETRAMETHYL-1,2,3,4-TETRAHYDRONAPHTHALENE □ AETT □ ETHANONE-1-(3-ETHYL-5,6,7,8-TETRAHYDRO-5,5,8,8-TETRAMETHYL-2-NAPHTHALENYL)(9CI) □ 3'-ETHYL-5',6',7',8'-TETRAHYDRO-5',5',8'-TETRAMETHYL-2'-ACETONAPHTHONE □ 1-(3-ETHYL-5,6,7,8-TETRAHYDRO-5,5,8,8-TETRAMETHYL-2-NAPHTHALENYL)-ETHANONE □ MUSK 36A □ POLYCYCLIC MUSK □ VERSALIDE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD FCTXAV 17,357,79

orl-rat LD50:260 mg/kg FCTXAV 19,753,81

skn-rat LD50:584 mg/kg FCTXAV 17,357,79

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

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by skin contact. A skin and eye irritant. Exposure causes blue coloration of internal organs and central nervous system effects, e.g., hyperexcitability, tremors, lack of coordination, hunched back, and loss of weight. It is slowly metabolized and excreted via feces. Symptoms persist for 90 days after exposure. Severity of symptoms seems proportional to length of exposure. It is freely

absorbed via human skin. When heated to decomposition it emits acrid smoke and fumes.

**ACM000 CAS: 557-99-3 HR: 3**  
**ACETYL FLUORIDE**

mf:  $C_2H_3FO$  mw: 62.05

**PROP:** Liquid or gas. D: 1.002 @ 15°/4°, mp: -60°, bp: 20.8°. Sltly sol in alc, ether, acetone, and benzene.

**SYNS:** FLUORID KYSELINY OCTOVE □ METHYLCARBONYL FLUORIDE

**TOXICITY DATA with REFERENCE:**

ihl-mus LC50:2500 mg/m<sup>3</sup> 85JCAE -,325,86

ihl-dog LCLo:2000 mg/m<sup>3</sup>/30M 11FYAN 3,74,63

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 2.5 mg(F)/m<sup>3</sup>

**ACGIH TLV:** TWA 2.5 mg(F)/m<sup>3</sup>; 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)/m<sup>3</sup>

**SAFETY PROFILE:** Poison by inhalation. See also FLUORIDES. When heated to decomposition it emits toxic fumes of F<sup>-</sup>.

**ACM200 CAS: 1192-62-7 HR: 3**  
**2-ACETYL FURAN**

mf:  $C_6H_6O_2$  mw: 110.12

**PROP:** Colorless or yellow or brown solid.

**SYNS:** ACETYL FURAN □ ETHANONE, 1-(2-FURANYL)-(9CI) □ FURAN, 2-ACETYL- □ 1-(2-FURANYL)ETHANONE □ 2-FURYL METHYL KETONE □ KETONE, 2-FURYL METHYL □ METHYL 2-FURYL KETONE

**TOXICITY DATA with REFERENCE:**

mma-sat 165 nmol/plate DFSCDX 13,353,86

dnr-bcs 5500 µg/disc DFSCDX 13,353,86

cyt-ham:ovr 4500 µmol/L CALEDQ 13,89,81

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACM245 CAS: 29362-48-9 HR: 3**  
**ACETYLGITOXIN-α**

mf:  $C_{43}H_{66}O_{15}$  mw: 823.09

**TOXICITY DATA with REFERENCE:**

ivn-cat LD50:520 µg/kg 85ELDJ -,187,63

orl-gpg LD50:40 mg/kg AIPTAK 159,1,66

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits acrid smoke and fumes. See also GITOXIN.

**ACM250 CAS: 7242-07-1 HR: 3**  
**16-ACETYLGITOXIN**

mf:  $C_{43}H_{66}O_{15}$  mw: 823.09

**TOXICITY DATA with REFERENCE:**

ivn-rat LD50:16,500 µg/kg AIPTAK 155,165,65

ipr-mus LD50:6800 µg/kg AIPTAK 155,165,65

ipr-cat LD50:148 µg/kg AIPTAK 155,165,65

ivn-cat LDLo:110 µg/kg AIPTAK 155,165,65

orl-cat LD50:120 µg/kg AIPTAK 159,1,66

orl-gpg LD50:2500 µg/kg AIPTAK 159,1,66

**SAFETY PROFILE:** Deadly poison by ingestion, intraperitoneal and intravenous routes. When heated to decomposition it emits acrid smoke and fumes. See also GITOXIN.

**ACM750 CAS: 1068-57-1 HR: 3**  
**ACETYL HYDRAZIDE**

mf:  $C_2H_6N_2O$  mw: 74.10

**PROP:** Needles from ethanol. Mp: 67°, bp: 127° @ 18 mm.

**SYNS:** ACETHYDRAZIDE □ ACETOHYDRAZIDE □ N-ACETYLHYDRAZINE □ ENT 61,241 □ ETHANEHYDRAZONIC ACID □ MONOACETYLHYDRAZINE

**TOXICITY DATA with REFERENCE:**

mno-sat 500 µg/plate IJEB A6 19,939,81

mno-omi 70 mg/L MUREAV 173,233,86

mnt-mus-ipr 120 mg/kg CALEDQ 23,235,84

dni-mus-ipr 150 mg/kg IJEB A6 19,939,81

ipr-mus LD50:153 mg/kg JPETAB 122,110,58

scu-rbt LDLo:116 mg/kg JPETAB 30,87,27

orl-bwd LD50:42,200 µg/kg AECTCV 12,355,83

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, and intraperitoneal routes. Mutation data reported. Exposure can cause hemolysis and liver damage. See also PHENYLHYDRAZINE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ACN250 CAS: 534-33-8 HR: 3**  
**N-ACETYL-4-HYDROXYARSANILIC ACID**  
**compounded with DIETHYLAMINE (1:1)**

mf:  $C_8H_{10}AsNO_5 \cdot C_4H_{11}N$  mw: 348.27

**SYNS:** ACETARSIN □ ACETARSONE DIETHYLAMINE SALT □ ACETILARSANO □ ACETYLARSAN □ N-ACETYL-4-HYDROXY-m-ARSANILIC ACID DIETHYLAMINE SALT □ 2-AMINOPHENOL-4-ARSONIC ACID DIETHYLAMINE SALT □ ARSAPHENAN □ DIETHYLAMINE ACETARSONE □ DIETHYLAMINE-3-ACETYLAMINO-4-HYDROXYPHENYLARSONATE □ GOLARSYL □ SYNTHARSOL

**TOXICITY DATA with REFERENCE:**

cyt-hmn:leu 1 nmol/L AEMBAP 91,117,78

cyt-hmn:fbr 1 nmol/L AEMBAP 91,117,78

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

**OSHA PEL:** TWA 0.5 mg(As)/m<sup>3</sup>

**ACGIH TLV:** BEI: 35 µ(As)/L inorganic arsenic and methylated metabolites in urine

**SAFETY PROFILE:** A poison. Human mutation data reported. See also ARSENIC COMPOUNDS. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and As.

**ACN300 CAS: 39543-84-5 HR: 3**  
**2-ACETYL-4-(2-HYDROXY-3-*tert*-BUTYLAMINOPROPOXY)BENZOFURAN**mf: C<sub>17</sub>H<sub>23</sub>NO<sub>4</sub> mw: 305.41**PROP:** A liquid.**SYNS:** 1-(4-(3-((1,1-DIMETHYLETHYL)AMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL)ETHA NONE □ ETHANONE, 1-(4-(3-((1,1-DIMETHYLETHYL)AMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL)- □ KETONE, 4-(3-(*tert*-BUTYLAMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL METHYL**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:35 mg/kg GWXXBX #2223184

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**ACN310 CAS: 39543-94-7 HR: 3**  
**2-ACETYL-7-(2-HYDROXY-3-*sec*-BUTYLAMINO PROPOXY)BENZOFURAN**mf: C<sub>17</sub>H<sub>23</sub>NO<sub>4</sub> mw: 305.41**PROP:** A liquid.**SYNS:** ETHANONE, 1-(7-(2-HYDROXY-3-((1-METHYLPROPYL)AMINO)PROPOXY)-2-BENZOFURANYL)- □ KETONE, 7-(3-(*sec*-BUTYLAMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL METHYL**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:75 mg/kg GWXXBX #2223184

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**ACN320 CAS: 39543-80-1 HR: 3**  
**2-ACETYL-7-(2-HYDROXY-3-*tert*-BUTYLAMINO PROPOXY)BENZOFURAN**mf: C<sub>17</sub>H<sub>23</sub>NO<sub>4</sub> mw: 305.41**PROP:** A liquid.**SYNS:** KETONE, 7-(3-(*tert*-BUTYLAMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL METHYL □ 1-(7-(3-((1,1-DIMETHYLETHYL)AMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL)ETHA NONE □ ETHANONE, 1-(7-(3-((1,1-DIMETHYLETHYL)AMINO)-2-HYDROXYPROPOXY)-2-BENZOFURANYL)-**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:45 mg/kg GWXXBX #2223184

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**ACN500 CAS: 65734-38-5 HR: 2**  
**N-ACETYL-N'-(*p*-HYDROXYMETHYL) PHENYL HYDRAZINE**mf: C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub> mw: 180.23**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic and tumorigenic data. When heated to decomposition it emits toxic fumes such as NO<sub>x</sub>.**ACN600 CAS: 152155-79-8 HR: D****N-ACETYL-S-(2-HYDROXYPHENYLETHYL)-I-CYSTEINE**mf: C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub>S mw: 283.37**SYN:** L-CYSTEINE, N-ACETYL-S-(2-HYDROXYPHENYLETHYL)-**TOXICITY DATA with REFERENCE:**

sce-hmn-lym 500 μmol/L MUREAV 319,121,1993

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.**ACN700 CAS: 69278-53-1 HR: D**  
**N-ACETYL-S-(2-HYDROXY-1-PHENYLETHYL)-I-CYSTEINE**mf: C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub>S mw: 283.37**SYNS:** N-ACETYL-S-(1-PHENYL-2-HYDROXYETHYL)CYSTEINE

□ N-ACETYL-S-(1 OR 2-PHENYL-2-HYDROXYETHYL)CYSTEINE

□ L-CYSTEINE, N-ACETYL-S-(2-HYDROXY-1-PHENYLETHYL)-

**TOXICITY DATA with REFERENCE:**

sce-hmn-lym 500 μmol/L MUREAV 302,213,1993

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.**ACN875 CAS: 4254-22-2 HR: 3**  
**ACETYL HYPOBROMITE**mf: C<sub>2</sub>H<sub>3</sub>BrO<sub>2</sub> mw: 138.95**PROP:** Crystals.**SAFETY PROFILE:** A dangerously unstable explosive. When heated to decomposition it emits toxic fumes of Br<sup>-</sup>.**AC0000 HR: 3**  
**ACETYLIDES****PROP:** Colorless, flammable gases with odor similar to garlic. Can decompose spontaneously if pressure exceeds 15 PSIG.**SAFETY PROFILE:** Severe explosion hazard when shocked or exposed to heat. Acetylides are very sensitive to shock, friction, and heat. They explode readily and are among the few commercial explosives that contain no oxygen or nitrogen and therefore produce no gas. The explosion simply results from the large amount of heat instantaneously produced. Acetylides are used for detonating compositions, or in combination with lead azide in detonating rivets, where the acetylides reduce the flash point of the more insensitive azides. They are in a class with the fulminates and the azides as primary detonants. Because these materials are so sensitive to shock and temperature, they must be handled with extreme care. They must be kept cool, and should be kept wet if they are to be stored. (See FULMINATES for suggested precautions in storage and handling of acetylides.) Metal powders, such as finely divided Cu or Ag, should not be stored or kept with acetylene or acetylides because it is possible for these substances to react with these metal powders to form very sensitive acetylides, although they are not dangerous in themselves, can cause enough of a flash to ignite a possibly explosive mixture of gases and thus cause an explosion in a warehouse or storage area. Examples of commercially used

acetylides are silver acetylide and copper acetylide. See also ACETYLENE. See also individual compounds.

**ACO250 CAS: 2466-76-4 HR: 3**  
**N-ACETYLMIDAZOLE**

mf:  $C_5H_6N_2O$  mw: 110.13

**PROP:** Mp: 101.5–102.5°.

**SYN:** 1-ACETYLMIDAZOLE

**TOXICITY DATA with REFERENCE:**

ipr-mus LDLo:250 mg/kg StoGD# 27May75

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**ACO300 CAS: 53330-94-2 HR: 3**  
**5-ACETYLINDOLE**

mf:  $C_{10}H_9NO$  mw: 159.20

**PROP:** A liquid.

**SYNS:** ACETYL-5-INDOLE □ KETONE, INDOL-5-YL METHYL

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:450 mg/kg EJMCA5 9,453,74

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACO320 CAS: 16078-34-5 HR: 3**  
**5-ACETYLINDOLINE**

mf:  $C_{10}H_{11}NO$  mw: 161.22

**PROP:** A liquid.

**SYNS:** INDOLINE, 5-ACETYL- □ KETONE, 5-INDOLINYL METHYL

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:320 mg/kg CSLNX\* NX#02219

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ACO500 CAS: 507-02-8 HR: 3**  
**ACETYL IODIDE**

**DOT:** UN 1898

mf:  $C_2H_3IO$  mw: 169.95

**PROP:** Brown, transparent, fuming liquid. Bp: 108°, d: 2.067 @ 20°/4°, decomp in water and alc; sol in ether.

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** A toxic, corrosive material. Reacts with water or steam to produce toxic and corrosive fumes. Dangerous to use. When heated to decomposition it emits toxic fumes of  $I^-$ . See also IODIDES.

**ACO750 CAS: 1078-38-2 HR: 2**  
**1-ACETYL-2-ISONICOTINOYLHYDRAZINE**

mf:  $C_8H_9N_3O_2$  mw: 179.20

**SYNS:** ACETYL ISONIAZID □ N-ACETYLISONIAZID □ N-ACETYLISONICOTINYLHYDRAZIDE □ 4-PYRIDINE CARBOXYLIC ACID-2-ACETHYLHYDRAZIDE

**TOXICITY DATA with REFERENCE:**

dni-mus-ipr 1 g/kg IJBA6 19,939,81

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

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

**ACP000 CAS: 39293-24-8 HR: 3**  
**ACETYLKIDAMYCIN**

mf:  $C_{46}H_{58}N_2O_{13}$  mw: 847.06

**TOXICITY DATA with REFERENCE:**

oms-hmn:hla 1 mg/L JANTAJ 29,1334,76

ipr-rat LD50:35 mg/kg 85ERAY 2,1452,78

ivn-rat LD50:140 mg/kg 85ERAY 2,1452,78

orl-mus LD50:600 mg/kg 85ERAY 2,1452,78

ipr-mus LD50:50 mg/kg 85ERAY 2,1452,78

ivn-mus LD50:200 mg/kg 85ERAY 2,1452,78

ivn-rbt LD50:25 mg/kg 85ERAY 2,1452,78

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Human mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .

**ACP250 HR: 3**  
**ACETYLLANATOSIDE A**

**SYN:** ACETYL-LANATOSID A (GERMAN)

**TOXICITY DATA with REFERENCE:**

orl-gpg LD50:25 mg/kg ARZNAD 15,481,65

ivn-gpg LDLo:1800 mg/kg ARZNAD 15,481,65

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by intravenous route.

**ACP300 CAS: 4914-36-7 HR: 3**  
**N-ACETYLLOLINE**

mf:  $C_{10}H_{16}N_2O_2$  mw: 196.28

**SYNS:** ACETAMIDE, N-(HEXAHYDRO-2,4-METHANO-4H-FURO(3,2-B)PYRROL-3-YL)-N-METHYL-, (2R-(2- $\alpha$ ,3- $\alpha$ ,3A- $\beta$ ,4- $\alpha$ ,6A- $\beta$ ))- □ LOLININE

**TOXICITY DATA with REFERENCE:**

ipr-mus LD :>125 mg/kg JOETD7 57,1,1997

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

**ACP500 CAS: 63938-24-9 HR: 3**  
**1-ACETYLLYSERGIC ACID DIETHYLAMIDE BITARTRATE**

mf:  $C_{22}H_{27}N_3O_6 \cdot 2C_4H_4O_6$  mw: 661.68

**SYN:** 1-ACETYL-9,10-DIDEHYDRO-N,N-DIETHYL-6-METHYLERGOLINE-8- $\beta$ -CARBOXAMIDE BITARTRATE

**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:1500 ng/kg:PSY PSDTAP 8,59,67

ivn-rbt LD50:1600  $\mu$ g/kg 27ZQAG -,93,72

**SAFETY PROFILE:** Deadly poison by intravenous route. Human systemic effects by ingestion of very small amounts: EEG changes, hallucinations, distorted perceptions and changes in psychophysiological test scores. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also other lysergic acid derivatives.

**ACP750 CAS: 50485-03-5 HR: 3**  
**d-1-ACETYL LYSERGIC ACID**  
**MONOETHYLAMIDE**

mf: C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub> mw: 337.46

**SYNS:** 1-ACETYL-9,10-DIDEHYDRO-N-ETHYL-6-METHYLER  
 GOLINE-8-β-CARBOXAMIDE □ 1-ACETYLLYSERGIC ACID  
 ETHYLAMIDE

**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:75 µg/kg:PSY PSDTAP 8,59,67

ivn-rbt LD50:5 mg/kg 27ZQAG -,94,72

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Ingesting very small amounts produce psychotropic effects in humans. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. See also various lysergic acid entries.

**ACQ000 CAS: 73118-22-6 HR: 3**  
**β-ACETYLMANDELOYLOXY-β-PHENYLETHYL-**  
**DIMETHYLAMINE**

mf: C<sub>20</sub>H<sub>23</sub>NO<sub>4</sub> mw: 341.44

**SYN:** ACETYLMANDELIC ACID-(2-(DIMETHYLAMINO)-1-PHENYL)ETHYL ESTER

**TOXICITY DATA with REFERENCE:**

scu-mus LDLo:683 mg/kg AIPTAK 47,96,34

ivn-rbt LDLo:34 mg/kg AIPTAK 47,96,34

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by subcutaneous route. See also ESTERS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ACQ250 CAS: 1190-93-8 HR: 3**  
**ACETYLMERCAPTOACETIC ACID**

mf: C<sub>4</sub>H<sub>6</sub>O<sub>3</sub>S mw: 134.16

**PROP:** Yellow oil. Bp: 158–159° @ 17 mm.

**SYNS:** ACETIC ACID, (ACETYLTIO)-(9CI) □ ACETIC ACID,  
 MERCAPTO-, ACETATE (8CI) □ (ACETYLTIO)ACETIC ACID □  
 S-ACETYLTIOGLYCOLIC ACID □ MERCAPTOACETIC ACID  
 ACETATE □ USAF EK-P-5430

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:150 mg/kg NTIS\*\* AD277-689

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic fumes of SO<sub>x</sub>.

**ACQ258 CAS: 1477-40-3 HR: 3**  
**α-1-ACETYLMETHADOL**

mf: C<sub>23</sub>H<sub>31</sub>NO<sub>2</sub> mw: 353.55

**SYNS:** 1-α-ACETYLMETHADOL □ levo-α-ACETYLMETHADOL □  
 3-HEPTANOL, 6-(DIMETHYLAMINO)-4,4-DIPHENYL-, ACETATE  
 (ester), (3S,6S)-(-)- □ LAAM

**TOXICITY DATA with REFERENCE:**

mno-nsc 200 mg/L DCTODJ 4,19,81  
 cyt-hmn:lym 70 mg/L ENMUDM 1,180,79  
 mma-mus:lym 25 mg/L DCTODJ 4,19,81  
 trn-mus-unr 7 mg/kg DCTODJ 4,19,81  
 orl-mus LD50:173 mg/kg JPETAB 110,135,54  
 ipr-mus LD50:56 mg/kg PBBHAU 9,195,78  
 scu-mus LD50:111 mg/kg ANYAA9 281,321,76

**SAFETY PROFILE:** Poison by ingestion, subcutaneous and intraperitoneal routes. Human reproductive effects by ingestion. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits acrid smoke and fumes.

**ACQ260 CAS: 43033-72-3 HR: 3**  
**l-α-ACETYLMETHADOL HYDROCHLORIDE**

mf: C<sub>23</sub>H<sub>31</sub>NO<sub>2</sub>•ClH mw: 390.01

**SYNS:** (3S,6S)-(-)-6-(DIMETHYLAMINO)-4,4-DIPHENYL-3-  
 HEPTANOL ACETATE (ester) HYDROCHLORIDE □ 3-  
 HEPTANOL, 6-(DIMETHYLAMINO)-4,4-DIPHENYL-, ACETATE  
 (ester), HYDROCHLORIDE, (3S,6S)-(-)- □ LAAM  
 HYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:7400 µg/kg (female 15D pre):TER NETOD7  
 5,479,83

orl-rat TDLo:7061 mg/kg/2Y-C:CAR FAATDF 11,626,88

orl-mus LD50:71 mg/kg FAATDF 11,626,88

par-mus LD50:11 mg/kg JPETAB 145,11,64

**SAFETY PROFILE:** Poison by ingestion and parenteral routes. Questionable carcinogen with experimental carcinogenic data. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl.

**ACQ270 CAS: 1115-47-5 HR: 1**  
**N-ACETYL-di-METHIONINE**

mf: C<sub>7</sub>H<sub>13</sub>NO<sub>3</sub>S mw: 191.27

**SYNS:** ACETYL-di-METHIONINE □ di-N-ACETYLMETHIONINE  
 □ METHIONINE, N-ACETYL-, di- □ di-METHIONINE, N-ACETYL-  
 (9CI)

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:6700 mg/kg AIPTAK 91,163,52

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Slightly toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.

**ACQ275 CAS: 65-82-7 HR: 3**  
**N-ACETYL-I-METHIONINE**

mf: C<sub>7</sub>H<sub>13</sub>NO<sub>3</sub>S mw:191.24

**PROP:** Colorless or white crystals or powder; odorless. Sol in water, alc, alkali and mineral acids; insol in ether.

**SYNS:** ACETYLMETHIONINE □ N-ACETYLMETHIONINE □  
 METHIONAMINE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:435 mg/kg RPOBAR 2,262,70

**CONSENSUS REPORTS:** EPA TSCA Chemical Inventory, JUNE 1993

**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition emits toxic fumes of NO<sub>x</sub>.

**ACQ700 CAS: 57543-56-3 HR: 3  
3-ACETYL-6-METHOXY-2H-1-BENZOPYRAN**mf: C<sub>12</sub>H<sub>12</sub>O<sub>3</sub> mw: 204.24**PROP:** A liquid.**SYN:** KETONE, 6-METHOXY-2H-1-BENZOPYRAN-3-YL METHYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1000 mg/kg EJMCA5 11,81,76

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**ACQ730 CAS: 57543-55-2 HR: 3  
3-ACETYL-7-METHOXY-2H-1-BENZOPYRAN**mf: C<sub>12</sub>H<sub>12</sub>O<sub>3</sub> mw: 204.24**PROP:** A liquid.**SYN:** KETONE, 7-METHOXY-2H-1-BENZOPYRAN-3-YL METHYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1000 mg/kg EJMCA5 11,81,76

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**ACQ760 CAS: 57543-54-1 HR: 3  
3-ACETYL-8-METHOXY-2H-1-BENZOPYRAN**mf: C<sub>12</sub>H<sub>12</sub>O<sub>3</sub> mw: 204.24**PROP:** A liquid.**SYN:** KETONE, 8-METHOXY-2H-1-BENZOPYRAN-3-YL METHYL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1000 mg/kg EJMCA5 11,81,76

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**ACQ790 CAS: 77523-56-9 HR: 3  
2-ACETYL-7-METHOXYNAPHTHO(2,1-b)FURAN****PROP:** A liquid.mf: C<sub>15</sub>H<sub>12</sub>O<sub>3</sub> mw: 240.27**SYNS:** ETHANONE, 1-(7-METHOXYNAPHTHO(2,1-b)FURAN-2-YL)- □ KETONE, 7-METHOXYNAPHTHO(2,1-b)FURAN-2-YL METHYL □ R 7237**TOXICITY DATA with REFERENCE:**

mmo-sat 5 µmol/plate MUREAV 88,355,81

mma-sat 5 µmol/plate MUREAV 88,355,81

oth-esc 1 nmol/tube MUTAEX 1,217,86

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Mutation data reported. A flammable liquid. When heated to decomposition it emits acrid smoke and irritating vapors.**ACR000 CAS: 62-51-1 HR: 3  
o-ACETYL-β-METHYLCHOLINE CHLORIDE**mf: C<sub>8</sub>H<sub>18</sub>NO<sub>2</sub>·Cl mw: 195.72**PROP:** Mp: 172–173°. Very sol in water and alc, decomp in alkalis and ether.**SYNS:** AMECHOL □ (2-HYDROXYPROPYL)TRIMETHYLAMMONIUMCHLORIDE ACETATE □ MECHOLYL □ METHACHOLINE CHLORIDE □ METHACHOLINIUM CHLORIDE □ METHYLACETYL CHOLINE □ β-METHYLACETYLCHOLINE CHLORIDE □ TRIMETHYL-β-ACETOXYPROPYLAMMONIUM CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:750 mg/kg JPETAB 58,337,36

scu-rat LD50:75 mg/kg JPETAB 58,337,36

ivn-rat LD50:20 mg/kg JPETAB 58,337,36

orl-mus LD50:740 mg/kg PHTXA6 22,210,59

ipr-mus LD50:160 mg/kg TXAPA9 28,227,74

scu-mus LD50:90 mg/kg JPETAB 58,337,36

ivn-mus LD50:15 mg/kg JPETAB 58,337,36

ivn-gpg LDLo:3750 µg/kg AIPTAK 106,245,56

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous, intravenous, and intraperitoneal routes. Moderately toxic by other routes. When heated to decomposition it emits very toxic fumes of Cl<sup>-</sup> and NO<sub>x</sub>.**ACR050 CAS: 33266-07-8 HR: 3  
2-ACETYL-2-METHYL-1,3-DITHIOLANE**mf: C<sub>6</sub>H<sub>10</sub>OS<sub>2</sub> mw: 162.28**PROP:** A liquid.**SYNS:** 1,3-DITHIOLANE, 2-ACETYL-2-METHYL- □ KETONE, METHYL 2-METHYL-1,3-DITHIOLAN-2-YL**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:1500 mg/kg EJMCA5 17,235,82

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of SO<sub>x</sub>.**ACR100 HR: 3  
α-ACETYL-6-METHYLERGOLINE-8-β-PROPIONAMIDE**mf: C<sub>20</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub> mw: 339.48**SYN:** ERGOLINE-8-β-PROPIONAMIDE, α-ACETYL-6-METHYL-**TOXICITY DATA with REFERENCE:**

orl-mus LD50:400 mg/kg ARZNAD 33,1094,83

**SAFETY PROFILE:** Poison by ingestion. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ACR120 CAS: 66902-65-6 HR: 2  
(2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYLHEXYLAMMONIUM BROMIDE**mf: C<sub>22</sub>H<sub>35</sub>N<sub>2</sub>O·Br mw: 423.50**SYN:** AMMONIUM, (2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYLHEXYL-, BROMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2500 mg/kg JMCMA 6,361,1963

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and Br<sup>-</sup>.

**ACR130 CAS: 66902-66-7 HR: 2**  
**(2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYLPENTYL AMMONIUM BROMIDE**mf:  $C_{21}H_{33}N_2O \cdot Br$  mw: 409.47**SYN:** AMMONIUM, (2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYLPENTYL-, BROMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:840 mg/kg JMCAR 6,361,1963

**SAFETY PROFILE:** Moderately toxic by ingestion.When heated to decomposition it emits toxic vapors of  $NO_x$  and  $Br^-$ .**ACR140 CAS: 66967-61-1 HR: 2**  
**(2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYL(1,4-XYLYL)AMMONIUM CHLORIDE**mf:  $C_{24}H_{31}N_2O \cdot Cl$  mw: 399.02**SYN:** AMMONIUM, (2-(3-ACETYL-2-METHYL-1-INDOLIZINYL)-2-METHYLETHYL)DIMETHYL(1,4-XYLYL)-, CHLORIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1600 mg/kg JMCAR 6,361,1963

**SAFETY PROFILE:** Moderately toxic by ingestion.When heated to decomposition it emits toxic vapors of  $NO_x$  and  $Cl^-$ .**ACR300 CAS: 83-63-6 HR: 3**  
**N-ACETYL-N-(2-METHYL-4-((2-METHYLPHENYL)AZO)PHENYL)ACETAMIDE**mf:  $C_{18}H_{19}N_3O_2$  mw: 309.40**PROP:** Brick-red needles or stout red prisms. Mp: 65°.**SYNS:** DERMAGAN □ DERMAGEN □ DIACETAZOTOL □ DIACETOTOLUIDE □ o-DIACETOTOLUIDIDE, 4'-(o-TOLYLAZO)-(8CI) □ DIACETYLAMINOAZOTOLUENE □ N,N-DIACETYL-o-TOLYLAZO-o-TOLUIDINE □ DIAMAZO □ DIMAZON □ EPIDERMOL □ EPITHELONE □ GRANULIN □ PELLIDOL □ PELLIDOLE □ PERIPHERMIN □ 4-o-TOLYLAZO-o-DIACETOTOLUIDE □ 4'-(o-TOLYLAZO)-o-DIACETOTOLUIDIDE**CONSENSUS REPORTS:** IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Animal Inadequate Evidence IMEMDT 8,113,75.

**SAFETY PROFILE:** Questionable carcinogen. When heated to decomposition it emits dangerous and toxic fumes of  $NO_x$ .**ACR400 CAS: 28895-91-2 HR: 3**  
**ACETYLMETHYLNITROSOUREA**mf:  $C_4H_7N_3O_3$  mw: 145.14**SYNS:** ACETYL-METHYL-NITROSO-HARNSTOFF (GERMAN) □ N'-ACETYL-METHYLNITROSOUREA □ N-METHYL-N-NITROSO-N'-ACETYLUREA □ 1-METHYL-1-NITROSOACETYLUREA**TOXICITY DATA with REFERENCE:**

cyt-ham:fbr 500 mg/L/20H MUREAV 48,337,77

orl-rat LD50:200 mg/kg XENOBH 3,271,73

**SAFETY PROFILE:** Poison by ingestion. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ACR500 CAS: 1053-74-3 HR: 3**  
**3-ACETYL-10-(3'-N-METHYL-PIPERAZINO-N'-PROPYL)PHENOTHIAZIN**mf:  $C_{22}H_{27}N_3OS$  mw: 381.58**PROP:** A liquid.**SYNS:** KETONE, METHYL 10-(3-(4-METHYL-1-PIPERAZINYL)PROPYL)PHENOTHIAZIN-2-YL □ METHYL 10-(3-(4-METHYL-1-PIPERAZINYL)PROPYL)PHENOTHIAZIN-2-YL KETONE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:650 mg/kg AIPTAK 115,1,58

ivn-mus LD50:87,500 µg/kg AIPTAK 115,1,58

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by intravenous route.Moderately toxic by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of  $SO_x$ .**ACR600 CAS: 2784-73-8 HR: 3**  
**6-ACETYLMORPHINE**mf:  $C_{19}H_{21}NO_4$  mw: 327.41**SYNS:** 6-O-ACETYLMORPHINE □ O<sup>6</sup>-

MONOACETYLMORPHINE □ MORPHINAN-3,6-α-DIOL, 7,8-DIDEHYDRO-4,5-α-EPOXY-17-METHYL-, 6-ACETATE □ MORPHINE 6-ACETATE

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:59 mg/kg EJPHAZ 85,317,82

ice-mus LD50:147 mg/kg EJPHAZ 85,317,82

**SAFETY PROFILE:** A poison by intravenous and cerebrum routes. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACR750 CAS: 1696-20-4 HR: 2**  
**4-ACETYLMORPHOLINE**mf:  $C_6H_{11}NO_2$  mw: 129.18**PROP:** Liquid. Mp: 14°, bp: decomp, flash p: 235°F (OC), d: 1.1164, vap press: 0.02 mm @ 20°, vap d: 4.46. Sol in water.**SYN:** N-ACETYLMORPHOLINE**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD 85JCAE -,889,86

eye-rbt 500 mg open AMIHBC 10,61,54

orl-rat LD50:6130 mg/kg AMIHBC 10,61,54

skn-rbt LD50:7500 mg/kg AMIHBC 10,61,54

par-mus LDLo:2400 mg/kg CBCCT\* 7,691,55

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by parenteral route. A skin and eye irritant. See also MORPHOLINE.Combustible when exposed to heat or flame; can react vigorously with oxidizing materials. To fight fire, use alcohol foam. When heated to decomposition it emits toxic fumes of  $NO_x$ .**ACS000 CAS: 63224-44-2 HR: 2**  
**N-ACETYL-N-MYRISTOYLOXY-2-AMINO FLUORENE**mf:  $C_{29}H_{39}NO_3$  mw: 449.69**SYNS:** N-ACETYL-N-TETRADECANOYLOXY-2-AMINOFLUORENE □ N-(FLUOREN-2-YL)-o-

TETRADECANOYLACETOHYDROXAMIC ACID □ N-MYRISTOYLOXY-AAF □ N-MYRISTOYLOXY-N-ACETYL-2-AMINOFLUORENE

#### TOXICITY DATA with REFERENCE:

dns-hmn:fbr 10 µmol/L/5H IJCNAW 16,284,75  
msc-ham:lng 50 µmol/L/3H CALEDQ 6,67,79  
scu-rat TD:115 mg/kg/6W-I:CAR CRNGDP 2,655,81

**SAFETY PROFILE:** Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### ACS100 CAS: 127545-69-1 HR: D (N-ACETYL-d-β-NALL-d-PCL-PHE2-d-PHE3-d-ARG6-PHE7-ARG8-d-ALA10)NH2 GNRH

SYNS: d-ALANINAMIDE, N-ACETYL-3-(1-NAPHTHALENYL)-d-ALANYL-4-CHLORO-d-PHENYLALANYL-d-PHENYLALANYL-L-SERYL-L-TYROSYL-d-ARGINYL-L-PHENYLALANYL-L-ARGINYL-L-PROLYL- □ BIM 21009

**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

#### ACS250 CAS: 76749-37-6 HR: D o-ACETYL-N-(2-NAPHTHOYL)HYDROXYLAMINE

mf: C<sub>13</sub>H<sub>11</sub>NO<sub>3</sub> mw: 229.23  
SYN: 2-NAPHTHOHYDROXAMIC ACID-o-ACETATE ESTER

#### TOXICITY DATA with REFERENCE:

mno-sat 1 µmol/plate PAACA3 21,126,80  
sce-ham:ovr 40 µmol/L/3H-C MUREAV 88,81,81  
mma-sat 1 µmol/plate CBINA8 34,267,81

**SAFETY PROFILE:** Mutation data reported. See also ESTERS and AMINES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>.

#### ACS375 HR: 2 N-ACETYLNEOMYCIN

#### TOXICITY DATA with REFERENCE:

ipr-mus LD50:3250 mg/kg AACHAX -,227,65  
scu-mus LD50:9250 mg/kg AACHAX -,227,65  
ivn-mus LD50:625 mg/kg AACHAX -,227,65

**SAFETY PROFILE:** Moderately toxic by several routes.

#### ACS500 CAS: 65041-92-1 HR: 3 8-ACETYLNEOSOLANOL

mf: C<sub>20</sub>H<sub>28</sub>O<sub>9</sub> mw: 412.48  
SYNS: 3-HYDROXY-4β,8-α-15-TRIACETOXY-12,13-EPOXYTRICHOHEC-9-ENE □ NEOSOLANOL MONOACETATE  
□ 4-β,8-α-15-TRIACETOXY-3-α-HYDROXY-12,13-EPOXYTRICHOHEC-9-ENE □ TRICHOHEC-9-ENE, 12,13-EPOXY-4-β,8-α-15-TRIACETOXY-3-α-HYDROXY-

#### TOXICITY DATA with REFERENCE:

skn-rat 80 ng SEV JAFCAU 26,246,78  
skn-rbt 160 ng MOD JAFCAU 26,246,78  
skn-gpg 80 ng MLD JAFCAU 26,246,78  
orl-gpg LD50:500 µg/kg DFSCDX 4,135,83  
orl-ckn LD50:789 µg/kg JAFCAU 26,246,78

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

#### ACS750 CAS: 591-09-3 HR: 3 ACETYL NITRATE

mf: C<sub>2</sub>H<sub>3</sub>NO<sub>4</sub> mw: 105.06

**PROP:** Colorless, hygroscopic, fuming, mobile liquid. Bp: 22° @ 70 mm; d: 1.24 @ 15°/4°.

**SYN:** ACETIC ACID, ANHYDRIDE with NITRIC ACID (1:1)

#### TOXICITY DATA with REFERENCE:

eye-hmn 4 ppm/12M IAPWAR 4,79,61

**SAFETY PROFILE:** Corrosive to the eye. Violently unstable. Reacts explosively with ethyl-3,4-dihydroxybenzenesulfonate + oleum, HgO, and other active oxides. Solutions may explode violently above 60°C and the pure material explodes above 100°C. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and/or explodes. See also NITRATES.

#### ACT000 HR: 2 ACETYL NITRITE

mf: C<sub>2</sub>H<sub>3</sub>NO<sub>3</sub> mw: 89.10

**SAFETY PROFILE:** Unstable liquid; decomposed by light. Vapor is violently explosive on heating. See also NITRITES. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### ACT250 CAS: 5275-69-4 HR: 3 2-ACETYL-5-NITROFURAN

mf: C<sub>6</sub>H<sub>5</sub>NO<sub>4</sub> mw: 155.12

**PROP:** IDLH 2000 ppm.

**SYN:** (5-NITRO-2-FURYL) METHYL KETONE

#### TOXICITY DATA with REFERENCE:

mno-omi 1000 ppm APMBAY 6,45,58  
mno-sat 8 µg/plate CNREA8 35,3611,75  
scu-rat LD50:200 mg/kg SGOBA9 83,73,46  
orl-mus LD50:400 mg/kg SGOBA9 83,73,46

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by ingestion. Mutation data reported. See also KETONES. A flammable liquid. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### ACT300 CAS: 32116-24-8 HR: 3 2-ACETYL-4-NITROPYRROLE

mf: C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O<sub>3</sub> mw: 154.14

**PROP:** A liquid.

**SYNS:** KETONE, METHYL (4-NITRO-2-PYRROLYL) □ PYRROLE, 2-ACETYL-4-NITRO-

#### TOXICITY DATA with REFERENCE:

mno-sat 80 µg/plate CNREA8 35,3611,75

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ACT330 CAS: 32116-25-9 HR: 3****2-ACETYL-5-NITROPYRROLE**mf:  $C_6H_6N_2O_3$  mw: 154.14**PROP:** A liquid.**SYNS:** KETONE, METHYL (5-NITRO-2-PYRROLYL) □ PYRROLE, 2-ACETYL-5-NITRO-**TOXICITY DATA with REFERENCE:**

mmo-sat 20 µg/plate CNREA8 35,361,75

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU125 HR: 2  
7-ACETYL-5-OXO-5H-(1)BENZOPYRANO(2,3-b)PYRIDINE**mf:  $C_{14}H_9NO_3$  mw: 239.24**SYNS:** KETONE-METHYL-5-OXO-5H-(1)BENZOPYRANO(2,3-b)PYRIDYL □ Y-9000**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1679 mg/kg NYKZAU 74,179,78

ipr-rat LD50:409 mg/kg NYKZAU 74,179,78

orl-mus LD50:2326 mg/kg NYKZAU 74,179,78

ipr-mus LD50:473 mg/kg NYKZAU 74,179,78

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of  $NO_x$ . See also KETONES.**ACU130 CAS: 124617-84-1 HR: D  
N-(ACETYLOXY)-N-BUTOXYBENZAMIDE**mf:  $C_{13}H_{17}NO_4$  mw: 251.28**TOXICITY DATA with REFERENCE:**

slt-sat 0.4 µmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU136 CAS: 131229-62-4 HR: D  
N-(ACETYLOXY)-N-BUTOXY-4-CHLORO  
BENZAMIDE**mf:  $C_{13}H_{16}ClNO_4$  mw: 285.73**TOXICITY DATA with REFERENCE:**

mic-sat 0.5 µmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$  and  $Cl^-$ .**ACU144 CAS: 131229-60-2 HR: D  
N-(ACETYLOXY)-N-BUTOXY-4-METHOXY  
BENZAMIDE**mf:  $C_{14}H_{19}NO_5$  mw: 281.31**TOXICITY DATA with REFERENCE:**

mic-sat 0.4 µmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU148 CAS: 131229-61-3 HR: D  
N-(ACETYLOXY)-N-BUTOXY-4-  
METHYLBENZAMIDE**mf:  $C_{14}H_{19}NO_4$  mw: 265.31**TOXICITY DATA with REFERENCE:**

mic-sat 1 µmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU156 CAS: 131229-64-6 HR: D  
N-(ACETYLOXY)-N-BUTOXY-4-NITRO  
BENZAMIDE**mf:  $C_{13}H_{16}N_2O_6$  mw: 296.28**TOXICITY DATA with REFERENCE:**

mic-sat 1 µmol/plate/72H MUREAV 494,115,2001

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU200 CAS: 141723-90-2 HR: D  
2-ACETYLOXY-N-(3,4-DIMETHYL-5-  
ISOXAZOLYL)-1,4-NAPHTHOQUINONE-4-  
IMINE**mf:  $C_{17}H_{14}N_2O_4$  mw: 310.33**SYNS:** 2-(ACETYLOXY)-4-((3,4-DIMETHYL-5-ISOXAZOLYL)IMINO)-1(4H)-NAPHTHALENONE □ 1(4H)-NAPHTHALENONE, 2-(ACETYLOXY)-4-((3,4-DIMETHYL-5-ISOXAZOLYL)IMINO)-**TOXICITY DATA with REFERENCE:**

mnt-ipr-mus 50 mg/kg MUREAV 343,61,95

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ .**ACU300 CAS: 22936-44-3 HR: 2  
o-(4-(1-(ACETYLOXY)IMINO)ETHYL)-3-  
METHYLPHENYL) o,o-DIETHYL-PHOSPHORO  
THIOATE**mf:  $C_{15}H_{22}NO_5PS$  mw: 359.41**SYNS:** PHOSPHOROTHIOIC ACID, o-(4-(1-(ACETYLOXY)IMINO)ETHYL)-3-METHYLPHENYL) o,o-DIETHYL ESTER □ R 15201**TOXICITY DATA with REFERENCE:**

orl-mus LD :&gt;400 mg/kg USXXAM #3681476

**SAFETY PROFILE:** Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of  $NO_x$ ,  $PO_x$ , and  $SO_x$ .**ACU500 CAS: 42978-43-8 HR: 2  
6-ACETYLOXYMETHYLBENZO(a)PYRENE**mf:  $C_{23}H_{16}O_2$  mw: 324.39**SYN:** 6-ACETOXY METHYL BENZO(a)PYRENE**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate PAACA3 24,93,83

dnd-rat:lym 500 mg/L CBINA8 25,35,79

dnd-mam:lym 500 mg/L CBINA8 25,35,79

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic and tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**ARW200 CAS: 71751-41-2 HR: 3  
AVERMECTIN B(SUB 1)**

**SYNS:** AVID EC □ ABAMECTIN □ AFFIRM □ AGRIMEK □ AVERMECTIN B(SUB 1) TECHNICAL GRADE □ AVOMEC □ MK 936 □ VERTIMEC □ ZEPHYR

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:10 mg/kg 85KYAH 11,3,1989  
ihl-rat LC50:1100 mg/m<sup>3</sup>/4H DEVEAA 42(249-250),41,1988  
orl-mus LD50:13,600 µg/kg DEVEAA 42(249-250),41,1988  
ice-mus LD50:1740 µg/kg TOLED5 60,289,1992  
orl-mky LD50:17 mg/kg DEVEAA 42(249-250),41,1988  
skn-rbt LD50:>2 g/kg DEVEAA 42(249-250),41,1988

**SAFETY PROFILE:** A poison by ingestion and intracerebral routes. Moderately toxic by inhalation and skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.

**ACV000 CAS: 34627-78-6 HR: 2**  
**5-(1-ACETYLOXY-2-PROPENYL)-1,3-BENZO DIOXOLE**

mf: C<sub>12</sub>H<sub>12</sub>O<sub>4</sub> mw: 220.24

**SYN:** 1'-ACETOXYSAFROLE

**TOXICITY DATA with REFERENCE:**

mno-sat 25 µg/plate JJIND8 62,893,79  
dnr-esc 25 mg/L JJIND8 62,873,79  
dnd-hmn:oth 500 µmol/L CRNGDP 3,935,82

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

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

**ACV500 CAS: 110-22-5 HR: 3**  
**ACETYL PEROXIDE**

mf: C<sub>4</sub>H<sub>6</sub>O<sub>4</sub> mw: 118.04

CH<sub>3</sub>CO•OOO•CH<sub>3</sub>

**PROP:** Solid or colorless crystals or liquid with very pungent odor. D: 1.18, mp: 30°, bp: 63° @ 21 mm. Sltly sol in cold water, decomp.

**SYNS:** ACETYL PEROXIDE, not >25% in solution (UN 2084) (DOT) □ ACETYL PEROXIDE, solid, or >25% in solution (DOT) □ DIACETONE PEROXIDES, solid, or >25% in solution (DOT) □ DIACETYL PEROXIDE (MAK)

**TOXICITY DATA with REFERENCE:**

eye-rbt 60 mg/1M rns SEV ZAARAM 8,25,58

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**DFG MAK:** Strong Skin Effects

**DOT CLASSIFICATION:** Forbidden

**SAFETY PROFILE:** Severe skin and eye irritant. Questionable carcinogen with experimental tumorigenic data. Dangerous fire hazard by spontaneous chemical reaction. A powerful oxidizing agent; can cause ignition of organic materials on contact. Severe explosion hazard when shocked or exposed to heat. It may explode spontaneously in storage and should be used as soon as prepared. It will react with water or steam to produce heat; can react vigorously with reducing materials; emits toxic fumes on contact with acid or acid fumes. To fight fire, use CO<sub>2</sub>, dry chemical.

Storage and Handling: Must be kept below 27° and not warmed over 30°. Do not add to hot materials. Do not add accelerator to this material. Store in original container with vented cap. Avoid bodily contact. This material is nearly always stored and handled as a 25% solution in an inert solvent. See also ACETYL PEROXIDE 25% solution (in dimethyl phthalate); and PEROXIDES, ORGANIC.

**ACX500 CAS: 13402-08-9 HR: 2**  
**1-ACETYL-3-PHENYLETHYLACETYLUREA**

mf: C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>3</sub> mw: 248.31

**SYNS:** N-((ACETYLAMINO)CARBONYL)-α-ETHYLBENZENEACETAMIDE □ ACETYLPHENETURIDE □ CRAMPOL □ CRAMPOLE □ N-α-ETHYLPHENYLACETYL-N'-ACETYL UREA □ P-398

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:543 mg/kg NIIRDN 6,17,82  
ipr-mus LD50:560 mg/kg NIIRDN 6,17,82  
orl-rat LD50:1174 mg/kg ARZNAD 18,524,68  
orl-mus LD50:1165 mg/kg ARZNAD 18,524,68

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. May have human reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. An anticonvulsant.

**ACX750 CAS: 114-83-0 HR: 3**  
**ACETYLPHENYLHYDRAZINE**

mf: C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O mw: 150.20

**PROP:** Prisms. Mp: 130–132°. Sol in hot water and alc; sltly sol in ether.

**SYNS:** ACETIC ACID PHENYLHYDRAZONE □ β-ACETYLPHENYLHYDRAZINE □ N-ACETYL-N'-PHENYLHYDRAZINE □ 1-ACETYL-2-PHENYLHYDRAZINE □ APH □ FENYLHYDRAZID KYSELINY OCTOVE □ HYDRACETIN □ N'-PHENYLACETHYDRAZIDE □ PYRODIN □ PYRODINE

**TOXICITY DATA with REFERENCE:**

mno-sat 333 µg/plate EMMUEG 11(Suppl 12),1,88  
orl-mus LD50:270 mg/kg PCJOAU 14,162,80  
ipr-mus LDLo:150 mg/kg NTIS\*\* AD691-490

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Questionable carcinogen with experimental neoplastigenic data. See also HYDRAZINE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ACY700 CAS: 76298-68-5 HR: 2**  
**cis-2-ACETYL-3-PHENYL-5-TOSYL-3,3a,4,5-TETRAHYDROPYRAZOLO(4,3-c)QUINOLINE**

mf: C<sub>25</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>S mw: 445.57

**SYN:** 2H-PYRAZOLO(4,3-c)QUINOLINE, 3,3a,4,5-TETRAHYDRO-2-ACETYL-5-((4-METHYLPHENYL)SULFONYL)-3-PHENYL-, cis-

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:800 mg/kg IJOCAP 19,297,80

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ACY750 HR: 2**  
**12-O-ACETYL-PHORBOL-13-DECA-(Δ-2)-ENOATE**mf: C<sub>32</sub>H<sub>45</sub>O<sub>8</sub> mw: 557.77**TOXICITY DATA with REFERENCE:**

skn-mus 50 µg MLD PLMEAA 22,241,72

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. A skin irritant. When heated to decomposition it emits acrid smoke and fumes.**ACZ000 CAS: 20839-15-0 HR: 2**  
**12-O-ACETYL-PHORBOL-13-DECANOATE**mf: C<sub>32</sub>H<sub>48</sub>O<sub>8</sub> mw: 560.80

SYN: PHORBOL ACETATE, CAPRATE

**TOXICITY DATA with REFERENCE:**

skn-mus 49 µg MLD PLMEAA 22,241,72

**SAFETY PROFILE:** A skin irritant. Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits acrid smoke and irritating fumes.**ADA000 CAS: 17433-31-7 HR: 3**  
**1-ACETYL-2-PICOLINOLHYDRAZINE**mf: C<sub>8</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub> mw: 179.20

SYNS: N-ACETYL-N'-ISONICOTINYL HYDRAZIDE □ 1-ACETYL-2-PICOLINOYLHYDRAZINE □ AZAPICYL □ NCI-C04739 □ NSC-68626 □ P-2292 □ 2-PYRIDINECARBOXYLIC ACID-2-ACETYLHYDRAZIDE (9CI)

**TOXICITY DATA with REFERENCE:**

ipr-mus TDLo:9750 mg/kg/26W-I:NEO,REP RRCRB 52,1,75

orl-rat LD50:673 mg/kg NCIAL\* -,169,65  
ivn-rat LD50:470 mg/kg NCIAL\* -,169,65  
orl-mus LD50:410 mg/kg NCIAL\* -,169,65  
ivn-mus LD50:255 mg/kg NCIAL\* -,169,65**CONSENSUS REPORTS:** NCI Carcinogenesis Studies (ipr): Clear Evidence: mouse, rat RRCRB 52,1,75**SAFETY PROFILE:** Poison by ingestion and intravenous routes. Questionable carcinogen with experimental neoplastigenic data. Experimental reproductive effects. When heated to decomposition it emits toxic fumes such as NO<sub>x</sub>.**ADA250 CAS: 618-42-8 HR: 3**  
**1-ACETYLPIPERIDINE**mf: C<sub>7</sub>H<sub>13</sub>NO mw: 127.21**PROP:** Mp: 131–133°, d: 1.011, bp: 226°. Misc in water, sol in alc.

SYN: N-ACETYLPIPERIDIN (GERMAN)

**TOXICITY DATA with REFERENCE:**

scu-rbt LDLo:300 mg/kg BDCGAS 34,2408,01

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ADA350 CAS: 22047-25-2 HR: 2**  
**2-ACETYL PYRAZINE**mf: C<sub>6</sub>H<sub>6</sub>N<sub>2</sub>O mw: 122.13**PROP:** Colorless to pale-yellow crystals or liquid; sweet popcorn-like odor. Mp: 75–78°, d: 1.100–1.115 @ 20°, refr index: 1.530–1.540 @ 25°. Sol in acids, alc, ether, and water @ 230°.

SYN: FEMA No. 3126

**SAFETY PROFILE:** A skin and eye irritant. When heated to decomposition emits toxic fumes of NO<sub>x</sub>.**ADA365 CAS: 1122-54-9 HR: 3**  
**4-ACETILPYRIDINE**mf: C<sub>7</sub>H<sub>7</sub>NO mw: 121.15**PROP:** Dark amber liquid. Bp: 212°. Solubility in water: >=100 mg/mL @ 19°.

SYNS: KETONE, METHYL 4-PYRIDYL □ METHYL 4-PYRIDYL KETONE □ PYRIDINE, 4-ACETYL-

**TOXICITY DATA with REFERENCE:**

mrc-smc 9900 ppm MUREAV 163,23,86

sln-smc 6200 ppm MUREAV 163,23,86

ipr-mus LD50:1400 mg/kg JMC MAR 14,551,71

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**DOT CLASSIFICATION:** 3; Label: Flammable Liquid**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**ADA375 CAS: 1072-83-9 HR: D**  
**2-ACETILPYRROLE**mf: C<sub>6</sub>H<sub>7</sub>NO mw: 109.12**PROP:** Light beige to yellow crystals from petroleum ether; bread-like odor. Mp: 90°, bp: 220°. Sol in acids, alc, ether, water @ 230°.

SYNS: FEMA No. 3202 □ METHYL 2-PYRROLYL KETONE

**SAFETY PROFILE:** When heated to decomposition emits toxic fumes of NO<sub>x</sub>.**ADA725 CAS: 50-78-2 HR: 3**  
**ACETILSALICYLIC ACID**mf: C<sub>9</sub>H<sub>8</sub>O<sub>4</sub> mw: 180.17**PROP:** Colorless needles, crystals. Mp: 135°, fp: 118°. Very sltly sol in alc, sol in benzene. Solubility in water = 1% @ 37°, in ether = 5% @ 20°.

SYNS: AC 5230 □ ACENTERINE □ ACESAL □ ACETAL □ ACETICYL □ ACETILSALICILICO □ ACETILUM ACIDULATUM □ ACETISAL □ ACETOL □ ACETONYL □ ACETOPHEN □ ACETOSAL □ ACETOSALIC ACID □ ACETOSALIN □ o-ACETOXYBENZOIC ACID □ 2-ACETOXYBENZOIC ACID □ ACETYLIN □ 2-(ACETYLOXY)BENZOIC ACID □ ACETYLSAL □ ACETYLSALICYLSAEURE (GERMAN) □ ACIDE ACETYL SALICYLIQUE (FRENCH) □ ACIDO o-ACETIL-BENZOICO (ITALIAN) □ ACIDO ACETILSALICILICO (ITALIAN) □ ACIDUM ACETYLSALICYLICUM □ ACIMETTEN □ ACISAL □ ACYLPYRIN □ ASA □ A.S.A. □ A.S.A. EMPIRIN □ ASAGRAN □ ASATARD □ ASPALON □ ASPERGUM □ ASPIRDROPS □ ASPIRIN □ ASPIRINE □ ASPRO □ ASTERIC □ BENASPIR □ BIALPIRINIA □ CAPRIN □ o-CARBOXYPHENYL ACETATE □ COLFARIT □ CONTRHEUMA RETARD □ CRYSTAR □ DELGESIC □ DOLEAN

pH 8 □ DURAMAX □ ECM □ ECOTRIN □ EMPIRIN □  
 ENDYDOL □ ENTERICIN □ ENTEROPHEN □ ENTEROSARINE  
 □ ENTROPHEN □ EXTREN □ GLOBOID □ HELICON □  
 IDRAGIN □ MEASURIN □ NEURONIKA □ NOVID □  
 POLOPIRYNA □ RHEUMIN TABLETTEN □ RHODINE □  
 SALACETIN □ SALCETOGEN □ SALETIN □ SOLPYRON □  
 XAXA

#### TOXICITY DATA with REFERENCE:

dni-hmn:lym 100 µmol/L FEPA7 36,1748,77  
 cyt-hmn:fbr 100 mg/L ACYTAN 16,41,72  
 orl-cld TDLo:10 mg/kg/1D-I:PUL,SYS CTOXAO  
 18,247,81  
 orl-man TDLo:857 mg/kg:CNS,PUL HUTODJ 7,161,88  
 orl-wmn TDLo:525 mg/kg/5D-I:SYS AIMEAS 80,74,74  
 orl-wmn TDLo:480 mg/kg/5D-I:SYS NEJMAG 296,418,77  
 orl-man TDLo:1625 mg/kg:SYS CPEDAM 24,678,85  
 orl-inf TDLo:120 mg/kg:PUL,SYS BMJOAE 1,1081,79  
 ipr-cld LDLo:104 mg/kg:PUL,GIT LANCAO 2,809,52  
 orl-cld TDLo:39 mg/kg/13D-I:SYS AJDCAI 139,453,85  
 orl-hmn TDLo:669 mg/kg/11D:SYS AJHPA9 35,330,78  
 orl-hmn TDLo:2880 mg/kg/8W:EAR ARZNAD 33,631,83  
 orl-hmn TDLo:480 mg/kg/7D-I:EAR,CNS ARZNAD  
 25,281,75  
 unr-man LDLo:294 mg/kg 85DCAI 2,73,70  
 orl-rat LD50:200 mg/kg 34ZIAG -,67,69  
 ipr-rat LD50:340 mg/kg NYKZAU 62,11,66  
 orl-mus LD50:250 mg/kg ARZNAD 5,572,55  
 ipr-mus LD50:280 mg/kg JPPMAB 4,872,52  
 scu-mus LD50:1020 mg/kg DRFUD4 9,91,84  
 orl-dog LD50:700 mg/kg ARZNAD 21,719,71

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

**OSHA PEL:** TWA 5 mg/m<sup>3</sup>

**ACGIH TLV:** TWA 5 mg/m<sup>3</sup>

**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and possibly other routes. Human systemic effects by ingestion: acute pulmonary edema, body temperature increase, changes in kidney tubules, coma, constipation, dehydration, hematuria, hepatitis, nausea or vomiting, respiratory stimulation, somnolence, tinnitus, decreased urine volume. Implicated in aplastic anemia. A 10 gram dose to an adult may be fatal. A human teratogen. Human reproductive effects by ingestion and possibly other routes: menstrual cycle changes, parturition, various effects on newborn including Apgar score, developmental abnormalities of the cardiovascular and respiratory systems. Experimental animal reproductive effects. Human mutation data reported. An allergen; skin contact, inhalation, or ingestion can cause asthma, sneezing, irritation of eyes and nose, hives, and eczema. Combustible when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes.

**ADA750 CAS: 493-53-8 HR: 2**  
**o-ACETYLSALICYLIC ACID, SODIUM SALT**

mf: C<sub>9</sub>H<sub>7</sub>O<sub>4</sub>•Na mw: 202.15

**PROP:** Crystals from acetone and ether. Mp: 218° (slt decomp). Very sol in water and alc; sltly sol in acetone.

**SYNS:** ACETYLSALICYLIC ACID SODIUM SALT □

ACETYLSALICYLSAEURE NATRIUMSALZ (GERMAN) □ ASPIRIN-  
 NATRIUM (GERMAN) □ SODIUM ASPIRIN

#### TOXICITY DATA with REFERENCE:

ivn-hmn TDLo:306 µg/kg:BLD GWXXBX #2810425  
 ipr-rat LD50:1450 mg/kg NYKZAU 79,357,82  
 scu-mus LDLo:700 mg/kg HDTU\*\* -,33  
 ipr-mus LDLo:500 mg/kg JACSAT 63,1437,41  
 scu-frg LDLo:909 mg/kg HBAMAK 4,1290,35

**SAFETY PROFILE:** Moderately toxic by intraperitoneal and subcutaneous routes. Human systemic effects by intravenous route: unspecified changes in the blood. When heated to decomposition it emits toxic fumes of Na<sub>2</sub>O. See also ACETOL.

**ADB250 CAS: 58086-32-1 HR: 3**  
**o-ACETYLSTERIGMATOCYSTIN**

mf: C<sub>20</sub>H<sub>14</sub>O<sub>7</sub> mw: 366.34

#### TOXICITY DATA with REFERENCE:

dns-rat:lvrl 1 µmol/L MUREAV 173,217,86  
 mmo-sat 100 µg/plate CNREA8 38,536,78  
 mma-sat 1 µg/plate CNREA8 38,536,78  
 mrc-bcs 1 µg/disc CNREA8 36,445,76  
 ipr-rat LD50:11,300 µg/kg 41KEAL -,108,78  
 ipr-rat LD50:11,300 µg/kg 41KEAL -,108,78

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

**ADC250 CAS: 1013-59-8 HR: 3**  
**3-ACETYLTETRAMIC ACID SODIUM SALT**

mf: C<sub>10</sub>H<sub>14</sub>NO<sub>3</sub>•Na mw: 219.24

**SYNS:** 3-ACETYL-5-sec-BUTYL-4-HYDROXY-3-PYROLIN-2-  
 ONE,MONOSODIUM SALT □ 3-ACETYL-5-sec-BUTYL-4-  
 HYDROXY-3-PYROLIN-2-ONE SODIUM SALT □ 3-ACETYL-1,5-  
 DIHYDRO-4-HYDROXY-5-(1-METHYLPROPYL)-2H-PYRROL-2-  
 ONE SODIUM SALT □ NSC-525816

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:168 mg/kg CNCRA6 52,579,68  
 ivn-rat LD50:146 mg/kg CNCRA6 52,579,68  
 orl-mus LD50:81 mg/kg CNCRA6 52,579,68  
 ivn-mus LD50:115 mg/kg CNCRA6 52,579,68

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and Na<sub>2</sub>O.

**ADC300 CAS: 1866-15-5 HR: 2**  
**ACETYLTHIOCHOLINE IODIDE**

mf: C<sub>7</sub>H<sub>16</sub>NOS•I mw: 289.20

**SYNS:** ACETYLTHIOCHOLINE DIIODIDE □ S-  
 ACETYLTHIOCHOLINE IODIDE □ 2-(ACETYLTHIO)-N,N,N-  
 TRIMETHYLETHANAMINIUM IODIDE □ AMMONIUM, (2-  
 MERCAPTOETHYL)TRIMETHYL-, IODIDE ACETATE □  
 CHOLINE, S-ACETYLTHIO-, IODIDE □ ETHANAMINIUM, 2-  
 (ACETYLTHIO)-N,N,N-TRIMETHYL-, IODIDE (9CI) □ (2-  
 MERCAPTOETHYL)TRIMETHYLAMMONIUM IODIDE ACETATE

#### TOXICITY DATA with REFERENCE:

## 58 ACU600 4(OR 6)-(ACETYLOXY)-5(OR 4)-HEXENOIC ACID

ivn-mus LD50:1800 µg/kg  
CSLNX\* NX#02898

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>, SO<sub>x</sub>, and I<sup>-</sup>.

### ACU600 CAS: 83145-58-8 HR: 2 4(OR 6)-(ACETYLOXY)-5(OR 4)-HEXENOIC ACID

mf: C<sub>8</sub>H<sub>12</sub>O<sub>4</sub> mw: 172.20

**SYNS:** CP 96320 □ 5(OR 4)-HEXENOIC ACID, 4(OR 6)-(ACETYLOXY)- □ NCD-1001

#### TOXICITY DATA with REFERENCE:

skn-rbt 500 µL/24H MLD NTIS\*\* OTS0545618

eye-rbt 100 µL/24H SEV NTIS\*\* OTS0545618

orl-rat LD50:543 mg/kg NTIS\*\* OTS0545618

skn-rbt LD50:3103 mg/kg NTIS\*\* OTS0545618

**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A mild skin and severe eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

### ADC400 CAS: 63123-39-7 HR: 3 2-(ACETYLTHIOGLYCOLIC AMIDE)BENZOTHAZOLE

mf: C<sub>11</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S<sub>2</sub> mw: 266.35

**SYNS:** S-(2-(2-BENZOTHAZOLYLAMINO)-2-OXOETHYL) ETHANETHIOATE □ ETHANETHIOIC ACID, S-(2-(2-BENZOTHAZOLYLAMINO)-2-OXOETHYL) ESTER

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg NTIS\*\* OTS0555098

ipr-rat LD50:400 mg/kg NTIS\*\* OTS0555098

orl-mus LD50:400 mg/kg NTIS\*\* OTS0555098

ipr-mus LD50:400 mg/kg NTIS\*\* OTS0555098

skn-gpg LD50:>1 g/kg NTIS\*\* OTS0555098

**SAFETY PROFILE:** A poison by ingestion and intraperitoneal routes. Low toxicity by skin contact. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.

### ADC750 CAS: 584-26-9 HR: 3 1-ACETYL-2-THIOHYDANTOIN

mf: C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>S mw: 158.19

**PROP:** Plates from ethanol. Mp: 175–176°. Insol in water and ether; sltly sol in alc.

**SYNS:** 4-IMIDAZOLIDINONE, 1-ACETYL-2-THIOXO- □ USAF B-7 □ USAF BE-0405

#### TOXICITY DATA with REFERENCE:

orl-mus LD50:600 mg/kg KHFZAN 24(4),32,90

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

ivn-mus LD50:320 mg/kg CSLNX\* NX#00834

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. When heated to decomposition it emits very toxic fumes such as SO<sub>x</sub> and NO<sub>x</sub>.

### ADD000 CAS: 17433-39-5 HR: 3 5-(ACETYLTHIOMETHYL)-4-AMINOMETHYL-2-METHYL-3-PYRIDINOL HYDROBROMIDE

mf: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>S•BrH mw: 307.24

**SYNS:** 4-AMINOMETHYL-5-MERCAPTOMETHYL-2-METHYL-3-PYRIDINOL THIO ACETATE HYDROBROMIDE □ PYRIDOXAMIN-5-THIOACETAT HYDROBROMID (GERMAN)

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:2000 mg/kg ARZNAD 11,922,61

scu-rat LD50:500 mg/kg ARZNAD 11,922,61

ivn-rat LD50:405 mg/kg ARZNAD 11,922,61

orl-mus LD50:1340 mg/kg ARZNAD 11,922,61

scu-mus LD50:880 mg/kg ARZNAD 11,922,61

ivn-mus LD50:232 mg/kg ARZNAD 11,922,61

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub> and HBr.

### ADD250 CAS: 591-08-2 HR: 3 ACETYL THIOUREA

mf: C<sub>3</sub>H<sub>6</sub>N<sub>2</sub>OS mw: 118.17

**PROP:** Needles. Mp: 165–167°. Sol in hot water and alc; sltly sol in ether.

**SYNS:** 1-ACETYL-2-THIOUREA □ RCRA WASTE NUMBER P002 □ USAF EK-4890

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:50 mg/kg JPETAB 90,260,47

ipr-rat LDLo:400 mg/kg JPETAB 97,478,49

orl-mus LDLo:94 mg/kg AECTCV 14,111,85

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

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>. See also SULFIDES.

### ADD400 CAS: 77-90-7 HR: D ACETYL TRIBUTYL CITRATE

**PROP:** Clear viscous liquid. Mp: -80°, bp: 172–174°, d: 1.05. Insol in water.

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

### ADD750 CAS: 77-89-4 HR: 2 ACETYL TRIETHYL CITRATE

mf: C<sub>14</sub>H<sub>22</sub>O<sub>8</sub> mw: 318.36

**PROP:** Bp: 197° @ 15 mm.

**SYNS:** ATEC □ CITRIC ACID, ACETYL TRIETHYL ESTER □ CITROFLEX A 2 □ 1,2,3-PROPANETRICARBOXYLIC ACID, 2-(ACETYLOXY)-, TRIETHYL ESTER (9CI) □ TRICARBALLYLIC ACID, β-ACETOXYTRIBUTYL ESTER □ TRIETHYL ACETYL CITRATE □ TRIETHYL CITRATE, ACETATE □ TRIETHYLESTER KYSELINY ACETYLCITRONOVE

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:7 g/kg IPSTB3 3,93,76

ipr-mus LD50:1150 mg/kg JPMSAE 53,774,64

orl-cat LDLo:7500 mg/kg TXAPA9 1,283,59

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mildly toxic by ingestion. See also ESTERS. When heated to decomposition it emits acrid smoke and fumes.

**ADD875 CAS: 2260-08-4 HR: 2  
ACETYLTTRIODOETHYRONINE FORMIC ACID**

mf:  $C_{15}H_9I_3O_5$  mw: 649.95

**PROP:** Mp: 238°

**SYNS:** ACETIOMATE □ 4-(4-(ACETYLOXY)-3-iodophenoxy)-3,5-diiodo-benzoic acid

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4600 mg/kg IYKEDH 5,383,74  
ipr-rat LD50:500 mg/kg IYKEDH 5,383,74  
scu-rat LD50:520 mg/kg IYKEDH 5,383,74  
orl-mus LD50:3700 mg/kg IYKEDH 5,383,74  
ipr-mus LD50:1 g/kg IYKEDH 5,383,74  
scu-mus LD50:2500 mg/kg IYKEDH 5,383,74

**SAFETY PROFILE:** Moderately toxic by ingestion and other routes. When heated to decomposition it emits toxic fumes of  $I^-$ .

**ADE000 CAS: 477-27-0 HR: 3  
N-ACETYL TRIMETHYLCOLCHICINIC ACID**

mf:  $C_{21}H_{23}NO_6$  mw: 385.45

**PROP:** Needles from alcohol. Mp: 175–177°. Sol in  $CHCl_3$ .

**SYNS:** 7-ACETAMIDO-6,7-DIHYDRO-10-HYDROXY-1,2,3-TRIMETHOXY-BENZO(a)HEPTALEN-9(5H)-ONE □ 7-ACETAMIDO-10-HYDROXY-1,2,3-TRIMETHOXY-6,7-DIHYDROBENZO(a)HEPTALEN-9(5H)-ONE □  $O^{10}$ -DEMETHYLCOLCHICINE

**TOXICITY DATA with REFERENCE:**

oms-mus-ipr 42 mg/kg CANCAR 3,130,50  
oms-mus-par 84 mg/kg CANCAR 3,130,50  
spm-mus-par 84 mg/kg CANCAR 3,130,50  
orl-hmn LDLo:43 µg/kg PCOC\*\* -,250,66  
unk-rat LDLo:30 mg/kg CANCAR 3,125,50  
ipr-mus LD50:84 mg/kg CANCAR 3,124,50  
ivn-mus LD50:1 mg/kg COREAF 241,1889,55

**SAFETY PROFILE:** A deadly human poison by ingestion. An experimental poison by intravenous, intraperitoneal and possibly other routes. Mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ . See also COLCHICINE.

**ADE050 CAS: 19005-95-9 HR: 3  
3-ACETYL-2,4,5-TRIMETHYL-PYRROLE**

mf:  $C_9H_{13}NO$  mw: 151.23

**PROP:** A liquid.

**SYNS:** KETONE, METHYL 2,4,5-TRIMETHYLPYRROL-3-YL □ METHYL 2,4,5-TRIMETHYLPYRROL-3-YL KETONE

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:233 mg/kg JMCAR 11,1251,68

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

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

**ADE075 CAS: 1218-34-4 HR: 2  
ACETYLTRYPHTOPHAN**

mf:  $C_{13}H_{14}N_2O_3$  mw: 246.29

**PROP:** Solid. Mp: 190°.

**SYNS:** ACETYL-L-TRP □ ACETYL-L-TRYPTOPHAN □ N-ACETYL-L-TRYPTOPHAN □ N-ACETYLTRYPHTOPHAN □ (S)-N-ACETYLTRYPHTOPHAN □ AC-TRY

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:15,000 mg/kg IYKEDH 11,635,80  
ipr-rat LD50:3,900 mg/kg IYKEDH 11,635,80  
orl-mus LD50:10,800 mg/kg IYKEDH 11,635,80  
ipr-mus LD50:3,580 mg/kg IYKEDH 11,635,80

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by some routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of  $NO_x$ .

**ADE100 CAS: 99152-10-0 HR: D  
N-(N-ACETYLVALYL)-N-NITROSOGLYCINE**

mf:  $C_9H_{15}N_3O_5$  mw: 245.27

**SYN:** GLYCINE, N-(N-ACETYL-L-VALYL)-N-NITROSO-

**TOXICITY DATA with REFERENCE:**

mic-sat 1 mg/plate TOLED5 26,89,1985  
cyt-ham-ovr 300 µmol/L FCTOD7 24,289,1986  
msc-ham-ovr 100 µmol/L FCTOD7 24,289,1986

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

**ADE125 HR: D  
ACHANIA, flower extract**

**PROP:** Belongs to the family Malvaceae (IJEBA6 18,561,80).

**SYN:** MALVAVISCUS CONZATTI Greenm., flower extract

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

**ADE500 CAS: 129-17-9 HR: 3  
ACID BLUE 1**

mf:  $C_{27}H_{31}N_2O_6S_2 \cdot Na$  mw: 566.71

**PROP:** Violet powder. Very sol in water; sol in ethanol.

**SYNS:** ACID BLUE V □ ACID BRIGHT AZURE Z □ ACID BRILLIANT BLUE VF □ ACID BRILLIANT BLUE Z □ ACID BRILLIANT SKY BLUE Z □ ACID LEATHER BLUE V □ AIZEN BRILLIANT ACID PURE BLUE VH □ ALPHAZURINE 2G □ AMACID BLUE V □ ANHYDRO-4,4'-BIS(DIETHYLAMINO)TRIPHENYLMETHANOL-2,4'-DISULPHONIC ACID, MONOSODIUM SALT □ BLEU PATENTE V □ BLUE 1084 □ 1085 BLUE □ BLUE URS □ BLUE VRS □ BRILLIANT ACID BLUE A EXPORT □ BRILLIANT ACID BLUE V EXTRA □ BRILLIANT ACID BLUE VS □ BRILLIANT BLUE GS □ BUCACID PATENT BLUE VF □ CARMIN BLUE VS □ CARMINE BLUE VF □ C.I. 712 □ C.I. 42045 □ C.I. ACID BLUE 1 □ C.I. ACID BLUE 3 □ C.I. ACID BLUE 1, SODIUM SALT □ C.I. FOOD BLUE 3 □ COSMETIC GREEN BLUE R25396 □ 4,4'-DI(DIETHYLAMINO)-4',6'-DISULPHOTRIPHENYLMETHANOL ANHYDRIDE, SODIUM SALT □ DISULFINE BLUE VN □ DISULPHINE VN □ DISULPHINE

BLUE VN 150 □ E 131 □ EDICOL SUPRA BLUE VR □ ERIO  
BRILLIANT BLUE V □ ERIOGLAUCINE □ ERIOGLAUCINE  
SUPRA □ FENAZO BLUE XF □ FENAZO BLUE XV □ FOOD  
BLUE 3 □ HEXACO BLUE VRS □ HEXACOL BLUE VRS □  
HIDACID BLUE V □ INTRACID PURE BLUE V □ KITON PURE  
BLUE V □ KITON PURE BLUE V.FQ □ L-BLAU 3 □ LEATHER  
BLUE G □ LISSAMINE TURQUOISE VN □ MERANTINE BLUE VF  
□ MODR KYSELA 1 □ MODR POTRAVINARSKA 3 □  
PATENTBLAU V □ PATENT BLUE □ PATENT BLUE V □  
PATENT BLUE VF □ PATENT BLUE VF-CF □ PATENT BLUE VF  
SPECIAL □ PATENT BLUE VS □ PONTACYL BRILLIANT BLUE □  
PONTACYL BRILLIANT BLUE V □ SCHULTZ Nr. 826 □ SODIUM  
BLUE VRS □ SODIUM PATENT BLUE V □ SULFACID BRILLIANT  
BLUE 6J □ SULFAN BLUE □ SULPHAN BLUE □ SUMITOMO  
PATENT PURE BLUE VX □ TETRACID CARMINE BLUE V □  
XYLENE BLUE VS

**TOXICITY DATA with REFERENCE:**

mma-sat 1 mg/plate ENMUDM 8(Suppl 7),1,86  
mma-sat 1 mg/plate ENMUDM 8(Suppl 7),1,86  
ivn-man LDLo:33 µg/kg:ALR 34ZIAG -,611,69  
ipr-mus LD50:3000 mg/kg FCTXAV 5,165,67  
ivn-mus LD50:1200 mg/kg SCPHA4 47,39,79

**CONSENSUS REPORTS:** IARC Cancer Review:  
Group 3 IMEMDT 7,56,87. Reported in EPA TSCA  
Inventory.

**SAFETY PROFILE:** Deadly human poison by  
intravenous route. Human systemic effects by intravenous  
route: anaphylaxis. Moderately toxic by several routes.  
Questionable carcinogen with experimental carcinogenic,  
tumorigenic, and neoplastigenic data. Mutation data  
reported. When heated to decomposition it emits very toxic  
fumes of NO<sub>x</sub>, NH<sub>3</sub>, Na<sub>2</sub>O and SO<sub>x</sub>. See also  
SULFONATES.

**ADE675 CAS: 3486-30-4 HR: D**  
**ACID BLUE 7**

**PROP:** Mp: 290°.

**SYN:** ALPHAZURINE A. □ C.I. 42080

**TOXICITY DATA with REFERENCE:**

mma-sat 100 µg/plate MUREAV 147,285,85  
mnt-mus-ipr 38 mg/kg MUREAV 147,285,85  
dlt-mus-ipr 220 mg/kg MUREAV 147,285,85

**SAFETY PROFILE:** Mutation data reported.

**ADE750 CAS: 3861-73-2 HR: 2**  
**ACID BLUE 92**

mf: C<sub>26</sub>H<sub>16</sub>N<sub>3</sub>O<sub>10</sub>S<sub>3</sub>•3Na mw: 695.60

**PROP:** Blue crystals. Sol in water, 2-ethoxyethanol; sltly  
sol in ethanol.

**SYNS:** ACID BLUE A □ ACID LEATHER BLUE R □ ACID WOOL  
BLUE RL □ ACILAN FAST NAVY BLUE R □ AIREDALE BLUE RL  
□ AMACID FAST BLUE R □ ANAZOLENE, SODIUM □ 4-((4-  
ANILINO-5-SULFO-1-NAPHTHYL)AZO)-5-HYDROXY-2,7-  
NAPHTHALENEDIFULFONIC ACID TRISODIUM □ BENZYL  
BLUE R □ BENZYL FAST BLUE R □ BUCACID FAST WOOL BLUE  
R □ CALCOCID FAST BLUE SR □ C.I. 13390 □ C.I. ACID BLUE 92  
□ C.I. ACID BLUE 92, TRISODIUM SALT □ CIRENE BRILLIANT  
BLUE R □ COLACID BLUE A □ COOMASSIE BLUE □  
COOMASSIE BLUE MEDICINAL □ COOMASSIE BLUE RL □

CYANINE ACID BLUE R □ CYANINE ACID BLUE R NEW □ FAST  
ACID BLUE RL □ FAST WOOL BLUE R □ FENAZO BLUE SR □  
HISPAID FAST BLUE R □ MEDIUM BLUE EMBL □ PONTACYL  
FAST BLUE R □ SODIUM AMAZOLENE □ SODIUM  
ANAZOLENE □ SULFONINE ACID BLUE R □ SULPHON ACID  
BLUE R □ SULPHON ACID BLUE RA □ TERTRACID FAST BLUE  
SR □ TRISODIUM-4'-ANILINO-8-HYDROXY-1,1'-  
AZONAPHTHALENE-3,6,5'-TRISULFONATE □ VONDAMOL FAST  
BLUE R □ WOOL BLUE RL □ WOOL FAST BLUE R

**TOXICITY DATA with REFERENCE:**

dnd-esc 10 µmol/L MUREAV 89,95,81  
ivn-mus LDLo:450 mg/kg BHJUAV 21,492,59

**CONSENSUS REPORTS:** Reported in EPA TSCA  
Inventory.

**SAFETY PROFILE:** Moderately toxic by intravenous  
route. Mutation data reported. When heated to  
decomposition it emits very toxic fumes of SO<sub>x</sub>, NO<sub>x</sub>, and  
Na<sub>2</sub>O.

**ADF000 CAS: 3087-16-9 HR: 2**  
**ACID BRILLIANT GREEN BS**

mf: C<sub>27</sub>H<sub>26</sub>N<sub>2</sub>O<sub>7</sub>S<sub>2</sub>•Na mw: 577.66

**PROP:** Solid.

**SYNS:** ACID GREEN 50 □ ACID LEATHER GREEN S □ ACILAN  
GREEN BS □ AMACID WOOL GREEN S □ BRILLIANTSÆURE  
GRUEN BS □ BUCACID WOOL GREEN □ CALOCID GREEN S □  
CALOCID GREEN SB □ C.I. 44090 □ C.I. ACID GREEN 50,  
MONOSODIUM SALT □ C.I. FOOD GREEN 4 □ E 142 □ EDICOL  
SUPRA GREEN B □ ERIO GREEN S □ FOOD GREEN S □ GREEN  
5 □ 12078 GREEN □ GREEN BS □ GREEN S □ HEXACOL  
GREEN S □ HIDACID WOOL GREEN □ KITON GREEN S □  
LISSAMINE GREEN B □ LISSAMINE GREEN BN □  
NAPHTHAZINE GREEN S □ PHARMACID GREEN S □ SCHULTZ  
Nr. 836 □ SUMITOMO WOOL GREEN S □ UNITERTRACID  
GREEN BS □ VERT ACIDE BRILLIANT BS □ VONDACID GREEN  
S □ WATER GREEN SX □ WOOL GREEN 5 □ WOOL GREEN B □  
WOOL GREEN BS □ WOOL GREEN BSNA □ WOOL GREEN MS  
□ WOOL GREEN S □ WOOL GREEN S (BIOLOGICAL STAIN) □  
WOOL GREEN SG □ ZELEN KYSELA 50 □ ZELEN KYSELA BS □  
ZELEN POTRAVINARSKA 4

**TOXICITY DATA with REFERENCE:**

mrc-smc 2840 µmol/L FCTXAV 19,419,81  
mma-sat 1 mg/plate MUREAV 89,21,81  
mrc-smc 2840 µmol/L FCTXAV 19,419,81  
orl-rat LD50:2 g/kg JPPMAB 16,65,64

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

**SAFETY PROFILE:** Moderately toxic by ingestion.  
Questionable carcinogen with experimental tumorigenic  
data. Experimental reproductive effects. Mutation data  
reported. When heated to decomposition it emits very toxic  
fumes of Na<sub>2</sub>O, SO<sub>x</sub> and NO<sub>x</sub>.

**ADF250 CAS: 12788-93-1 HR: 3**  
**ACID BUTYL PHOSPHATE**

**DOT:** UN 1718

mf: C<sub>4</sub>H<sub>10</sub>O<sub>4</sub>P mw: 153.1

**PROP:** Water-white liquid; sol in alc, acetone, and toluene; insol in water, petroleum, and naphtha. D: 1.120–1.125 @ 25°/40°, flash p: 230°F (COC).

**SYNS:** n-BUTYL ACID PHOSPHATE □ BUTYL PHOSPHORIC ACID

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** Toxic and corrosive. Combustible when exposed to heat or flame. When heated to decomposition it emits highly toxic fumes of PO<sub>x</sub>. See also ESTERS and PHOSPHORIC ACID.

#### ADF500

HR: 3

#### ACID CARBOYS, EMPTY

**SAFETY PROFILE:** *Warning:* These containers may contain concentrated vapors or even some liquid acid remaining from their original contents. Therefore, they can give rise to all the hazards of their original contents.

#### ADF600

CAS: 22261-92-3

HR: 3

#### ACIDE METHYL-TE-2-BENZOIQUE

mf: C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>Te mw: 263.76

**SYNS:** BENZOIC ACID, o-(METHYLTELURO)- □ o-(METHYLTELURO)BENZOIC ACID

#### TOXICITY DATA with REFERENCE:

ipr-rat LDLo:375 mg/kg BSRSA6 47,202,1978

ivn-rat LDLo:175 mg/kg BSRSA6 47,202,1978

**ACGIH TLV:** TWA 0.1 mg(Te)/m<sup>3</sup>

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

#### ADF800

HR: D

#### ACID HYDROLYZED PROTEINS

**PROP:** Liquid, paste or powder. Sol in water.

**SYNS:** HPP □ HVP □ HYDROLYZED MILK PROTEIN □ HYDROLYZED PLANT PROTEIN □ HYDROLYZED VEGETABLE PROTEIN

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

#### ADG000

CAS: 2429-80-3

HR: D

#### ACID LEATHER ORANGE BZR

mf: C<sub>35</sub>H<sub>27</sub>N<sub>5</sub>O<sub>9</sub>S<sub>3</sub>•2Na mw: 803.83

**SYNS:** ACID ORANGE 45 □ BENZYL FAST ORANGE 2RN □ BENZYL ORANGE 2R □ BROWN 5R □ BUCACID ORANGE R □ C.I. 22195 □ C.I. ACID ORANGE 45 □ C.I. ACID ORANGE 45, DISODIUM SALT □ ELITE FAST ORANGE R □ FENAFOR ORANGE R □ KCA SILK ORANGE R □ MACID MILLING ORANGE PROPYL □ MIDLON ORANGE PROPYL □ MILLING FAST ORANGE R □ MILLING FAST ORANGE 2R □ MILLING ORANGE R □ POLAR ORANGE R □ SULFONINE ORANGE R □ SULPHONOL ORANGE R □ SUPRANOL ORANGE RA

#### TOXICITY DATA with REFERENCE:

mno-sat 100 µg/plate MUREAV 68,307,79

mma-sat 100 µg/plate MUREAV 68,307,79

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and Na<sub>2</sub>O.

#### ADG125

CAS: 11119-62-3

HR: D

#### ACID RED

**SYN:** XYLENE RED

#### TOXICITY DATA with REFERENCE:

mma-sat 1 mg/plate AMONDS 3,253,80

cyt-ham:lng 10 g/L AMONDS 3,253,80

cyt-ham:fbr 12 g/L ESKHA5 96,55,78

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

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

#### ADG250

CAS: 18472-87-2

HR: 3

#### ACID RED 92

mf: C<sub>20</sub>H<sub>2</sub>Br<sub>4</sub>Cl<sub>4</sub>O<sub>5</sub>•2Na mw: 829.64

**PROP:** Orange-red crystals or powder. Sol in water and ethanol.

**SYNS:** AIZEN ACID PHLOXINE PB □ C.I. 45410 □ C.I. ACID RED 92 □ CYANOSIN □ CYANOSIN (ACID DYE) □ CYANOSINE □ D and C RED NO. 28 □ EOSIN BLUE □ EOSINE BLUE □ EOSINE BLUIISH □ FOOD DYE RED No. 104 □ FOOD RED No. 104 □ JAPAN RED 104 □ ORIENT WATER PINK 2 □ PHLOXINE B □ PHLOXINE B □ PHLOXINE P □ RED 104 □ 11969 RED □ RED No. 104 □ 3427 VERI PUR PINK

#### TOXICITY DATA with REFERENCE:

mno-omi 200 mg/L MUREAV 34,187,76

ivn-mus LD50:310 mg/kg TXAPA9 44,225,78

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

**SAFETY PROFILE:** Poison by intravenous route. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of Br<sup>-</sup>, Cl<sup>-</sup>, and Na<sub>2</sub>O.

#### ADG400

HR: 3

#### ACKEE

**PROP:** A 30- to 40-foot-tall tree with 5-part compound leaves and small green-white flowers. A bright-red pod contains 3 shiny black seeds in a white, waxy matrix. It grows in Florida, Hawaii, and the West Indies.

**SYNS:** AKEE □ AKI □ ARBRE FRICASSE (HAITI) □ BLIGHIA SAPIDA □ SESO VEGETAL (CUBA, PUERTO RICO)

**SAFETY PROFILE:** The white matrix of the immature fruit and its attachment to the seeds contain the toxic hypoglycin A. In the ripe fruit these parts are edible. Systemic effects by ingestion may include: vomiting, convulsions, coma, hypoglycemia, and death. Symptoms may begin immediately or may appear after a delay of 6 to 10 hours. In Jamaica poisoning is common in the winter and is called "vomiting sickness." See also 2-METHYLENECYCLOPROPANYLALANINE.

#### ADG425

CAS: 66789-14-8

HR: 3

#### ACLACINOMYCIN Y

mf: C<sub>42</sub>H<sub>51</sub>NO<sub>15</sub> mw: 809.94

**PROP:** Solid. Mp: 153–155°.

**SYNS:** ACLACINOMYCIN Y1 □ MA 144 Y

#### TOXICITY DATA with REFERENCE:

dni-mus:leu 190 nmol/L JANTAJ 34,1596,81  
 oms-mus:leu 12 nmol/L JANTAJ 34,1596,81  
 ipr-mus LD50:40 mg/kg JANTAJ 33,80-64,80

**SAFETY PROFILE:** Poison by intraperitoneal route.  
 Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADG500 CAS: 509-20-6 HR: 3**  
**ACONINE**

**PROP:** Amorphous shaped solid. Mp: 132°.

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:117 mg/kg YHHPAL 19,641,84  
 ivn-cat LD50:400 mg/kg ARZNAD 5,324,55  
 ivn-gpg LD50:275 mg/kg ARZNAD 5,324,55

**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. An antipyretic agent.

**ADH000 CAS: 499-12-7 HR: 3**  
**ACONITIC ACID**

mf: C<sub>6</sub>H<sub>6</sub>O<sub>6</sub> mw: 174.12

**PROP:** White, crystalline powder. Mp: 192° (decomp). Sol in water, alc; very sltly sol in ether.

**SYNS:** ACHILLEIC ACID □ CITRIDIC ACID □ EQUIRETIC ACID  
 □ 1-PROPENE-1,2,3-TRICARBOXYLIC ACID

**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:180 mg/kg CSLNX\* NX#00189

**CONDENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intravenous route. A synthetic flavoring substance and adjuvant. When heated to decomposition it emits acrid smoke and fumes.

**ADH500 CAS: 8006-38-0 HR: 3**  
**ACONITINE, AMORPHOUS**

mf: C<sub>34</sub>H<sub>47</sub>NO<sub>11</sub> mw: 645.82

**SYNS:** MILD ACONITATE □ MILD ACONITINE

**TOXICITY DATA with REFERENCE:**

unk-man LDLo:147 µg/kg 85DCAI 2,73,70  
 ipr-rat LDLo:75 µg/kg JPHAA3 18,17,29  
 scu-rat LDLo:100 µg/kg JPHAA3 18,17,29  
 orl-mus LD50:1 mg/kg APTOA6 7,337,51  
 ipr-mus LD50:328 µg/kg APTOA6 7,337,51  
 ivn-mus LD50:166 µg/kg APTOA6 7,337,51

**SAFETY PROFILE:** Human poison by an unspecified route. Poison experimentally by ingestion, intraperitoneal and subcutaneous routes. See also ACONITINE. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADH750 CAS: 302-27-2 HR: 3**  
**ACONITINE (crystalline)**

mf: C<sub>34</sub>H<sub>49</sub>NO<sub>11</sub> mw: 647.76

**PROP:** White, crystalline alkaloid; feeble bitter taste. Mp: 204°. Very sparingly sol in water.

**SYNS:** ACETYL BENZOYL ACONINE □ ACONITANE □ ACONITIN CRISTALLISAT (GERMAN)

**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:125 µg/kg PSEBAA 26,221,28

ivn-rat LD50:80 µg/kg ARZNAD 5,324,55  
 orl-hmn LDLo:28 mg/kg CNS,GIT 34ZIAG -,72,69  
 orl-mus LD50:1 mg/kg 85GDA2 8(1),159,82  
 scu-mus LDLo:100 µg/kg HDTU\*\* -,33  
 ivn-mus LD50:166 µg/kg 85GDA2 8(1),159,82  
 ipr-mus LD50:2708 µg/kg CYLPDN 2,170,81  
 ivn-dog LDLo:350 µg/kg HBAMAK 4,1291,35  
 scu-cat LDLo:400 µg/kg HBAMAK 4,1291,35  
 ivn-cat LD50:70 µg/kg ARZNAD 5,324,55  
 scu-rbt LDLo:131 µg/kg HBAMAK 4,1291,35  
 scu-gpg LDLo:50 µg/kg JPHAA3 12,957,23  
 ivn-gpg LD50:60 µg/kg ARZNAD 5,324,55  
 scu-pgn LDLo:66 µg/kg HBAMAK 4,1291,35  
 scu-frg LDLo:586 µg/kg HBAMAK 4,1291,35

**SAFETY PROFILE:** Poison by all routes, including absorption through the skin. Human systemic effects by ingestion: excitement, diarrhea and other gastrointestinal effects. Used to produce heart arrhythmia in experimental animals and as an antipyretic agent. When heated to decomposition it emits highly toxic fumes of NO<sub>x</sub>.

**ADH875 CAS: 6055-69-2 HR: 3**  
**ACONITINE HYDROCHLORIDE**

mf: C<sub>34</sub>H<sub>47</sub>NO<sub>11</sub>•ClH mw: 682.28

**TOXICITY DATA with REFERENCE:**

scu-cat LDLo:134 µg/kg FDWU\*\* -,31  
 scu-gpg LDLo:112 µg/kg FDWU\*\* -,31  
 scu-pgn LDLo:45,500 ng/kg FDWU\*\* -,31  
 scu-frg LDLo:586 µg/kg FDWU\*\* -,31

**SAFETY PROFILE:** Poison by subcutaneous route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl.

**ADI250 HR: 3**  
**ACONITUM CARMICHAELI**

**PROP:** Raw tubers which are the source of processed aconite roots used as an oriental medicine in Japan (YKKZAJ 97,359,77).

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5490 mg/kg YKKZAJ 97,359,77  
 ipr-mus LD50:190 mg/kg YKKZAJ 97,359,77  
 scu-mus LD50:200 mg/kg YKKZAJ 97,359,77  
 ivn-mus LD50:490 mg/kg YKKZAJ 97,359,77

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

**ADI500 HR: 3**  
**ACONITUM JAPONICUM**

**PROP:** Raw tubers that are the source of processed aconite roots used as an oriental medicine in Japan (YKKZAJ 97,359,77).

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:540 mg/kg YKKZAJ 97,359,77  
 ipr-mus LD50:110 mg/kg YKKZAJ 97,359,77  
 scu-mus LD50:120 mg/kg YKKZAJ 97,359,77  
 ivn-mus LD50:60 mg/kg YKKZAJ 97,359,77

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

**ADI625****HR: 3****ACORN TANNIN**

**PROP:** Bitter interior of acorn nut.

**SYN:** TANNIN from ACORN

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:100 mg/kg JPPMAB 9,98,57

scu-mus LD50:100 mg/kg JPPMAB 9,98,57

ivn-mus LD50:150 mg/kg JPPMAB 9,98,57

ims-mus LD50:75 mg/kg JPPMAB 9,98,57

**SAFETY PROFILE:** Poison by subcutaneous, intramuscular, intravenous and intraperitoneal routes.

**ADI750****CAS: 1684-42-0****HR: D****ACRANIL HYDROCHLORIDE**

mf:  $C_{21}H_{26}ClN_3O_2 \cdot 2ClH$  mw: 460.83

**PROP:** Mp: 237–239° (decomp).

**SYNS:** ACRANIL □ ACRANIL DIHYDROCHLORIDE □ 1-((6-CHLORO-2-METHOXY-9-ACRIDYL)-AMINO)-3-(DIETHYLAMINO)-2-PROPANOL DIHYDROCHLORIDE □ 5-((γ-DIETHYLAMINO-β-HYDROXYPROPYL)AMINO)-3-METHOXY-8-CHLOROACRIDINE DIHYDROCHLORIDE □ SKF 16214-A2 □ SN 186

**TOXICITY DATA with REFERENCE:**

mnt-mus-ipr 140 μmol/kg MUREAV 26,553,74

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl, Cl<sup>−</sup> and NO<sub>x</sub>.

**ADI775****CAS: 92-81-9****HR: 2****ACRIDAN**

mf:  $C_{13}H_{11}N$  mw: 181.25

**SYNS:** ACRIDANE □ ACRIDINE, 9,10-DIHYDRO-(9CI) □ CARBAZINE □ 9,10-DIHYDROACRIDINE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2140 mg/kg JPMSAE 63,1068,74

scu-mus LD50:3630 μg/kg PSEBAA 78,392,51

**SAFETY PROFILE:** Poison by subcutaneous route. Moderately toxic by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ADI825****CAS: 578-95-0****HR: D****9-ACRIDANONE**

mf:  $C_{13}H_9NO$  mw: 195.23

**SYNS:** ACRIDANONE □ 9(10H)-ACRIDINONE (9CI) □ ACRIDONE □ 9-ACRIDONE □ 9(10H)-ACRIDONE

**TOXICITY DATA with REFERENCE:**

dnd-uns:lyms 10 pph BIPMAA 11,2537,72

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ADJ375****CAS: 581-29-3****HR: 3****3-ACRIDINAMINE (9CI)**

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

**PROP:** Yellow crystals. Mp: 224° (dried). Sol in aqueous ethanol; spar sol in Me<sub>2</sub>CO, C<sub>6</sub>H<sub>6</sub>.

**SYNS:** 2-AMINOACRIDINE (EUROPEAN) □ 3-AMINOACRIDINE

**TOXICITY DATA with REFERENCE:**

mno-sat 20 μg/plate JOUOD4 6,257,84

mno-omi 80 μg/L JMOBAK 3,762,61

scu-mus LD50:170 mg/kg BJEPAS 28,1,47

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Poison by subcutaneous route.

Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADJ500****CAS: 260-94-6****HR: 3****ACRIDINE**

**DOT:** UN 2713

mf:  $C_{13}H_9N$  mw: 179.23

**PROP:** Small, colorless needles or prisms. Mp: 110.5°, bp: 346°, d: 1.005 @ 19.7°/4°, vap press: 1 mm @ 129.4°. Sltly sol in hot water; sol in alc, ether, and CS<sub>2</sub>.

**SYNS:** 9-AZAANTHRACENE □ 10-AZAANTHRACENE □ BENZO(b)QUINOLINE □ 2,3-BENZOQUINOLINE □ DIBENZO(b,e)PYRIDINE

**TOXICITY DATA with REFERENCE:**

mno-sat 230 nmol/L ENMUDM 3,11,81

dnd-mam:lym 100 μmol/L JMOBAK 3,18,61

dnd-ckn:leu 100 μmol/L JMOBAK 3,18,61

orl-rat LD50:2 g/kg GTPZAB 14(9),56,70

orl-mus LD50:500 mg/kg GTPZAB 14(9),56,70

scu-mus LD50:400 mg/kg BJEPAS 28,1,47

ivn-rbt LD50:100 mg/kg BJEPAS 28,1,47

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 0.2 mg/m<sup>3</sup>

**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, and intravenous routes. Mutation data reported. A skin, eye, and mucous membrane irritant. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADJ550****CAS: 7101-57-7****HR: 3****ACRIDINE-9-CARBOXAMIDE, N,N-DIETHYL-1,2,3,4-TETRAHYDRO-**

mf:  $C_{18}H_{22}N_2O$  mw: 282.42

**PROP:** A liquid.

**SYNS:** ACRIDINE-9-CARBOXAMIDE, 1,2,3,4-TETRAHYDRO-N,N-DIETHYL- □ KETONE, DIETHYLAMINO(1,2,3,4-TETRAHYDRO-9-ACRIDINYL)

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:250 mg/kg JMCMA 9,483,66

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** A poison by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**ADJ625 CAS: 951-80-4 HR: 3  
3,9-ACRIDINEDIAMINE (9CI)**mf: C<sub>13</sub>H<sub>11</sub>N<sub>3</sub> mw: 209.27**PROP:** Crystals from ethanol/Et<sub>2</sub>O. Mp: 146°.**SYNS:** 2,5-DIAMINOACRIDINE (EUROPEAN) □ 3,9-DIAMINOACRIDINE**TOXICITY DATA with REFERENCE:**

mmo-sat 20 µg/plate JOUOD4 6,257,84

mmo-omi 8 mg/L JMOBAC 3,762,61

mmo-omi 19 µmol/L GENTAE 90,178

scu-mus LD50:140 mg/kg BJEPAS 28,178

**SAFETY PROFILE:** Poison by subcutaneous route.Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ADJ750 CAS: 17784-47-3 HR: 3  
ACRIDINE HYDROCHLORIDE**mf: C<sub>13</sub>H<sub>9</sub>N•ClH mw: 215.69**SYNS:** ACRIDINE MONOHYDROCHLORIDE □ ACRIDINIUM CHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-omi 80 mg/L JMOBAC 3,762,61

dnd-mam:lym 10 pph BIPMAA 11,2537,72

scu-mus LD50:300 mg/kg QJPPAL 10,649,37

**SAFETY PROFILE:** Poison by subcutaneous route.Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO<sub>x</sub>.**ADJ875 CAS: 146-59-8 HR: 2  
ACRIDINE MUSTARD**mf: C<sub>21</sub>H<sub>25</sub>Cl<sub>2</sub>N<sub>3</sub>O•2ClH mw: 479.31**SYNS:** (6-CHLORO-9-(3-ETHYL-2-CHLOROETHYL)AMINOPROPYLAMINO)-2-METHOXYACRIDINE DIHYDROCHLORIDE □ 9-(3-(ETHYL(2-CHLOROETHYL)AMINO)PROPYLAMINO)-6-CHLORO-2-METHOXYACRIDINE DIHYDROCHLORIDE □ ICR 170 □ 2-METHOXY-6-CHLORO-9-(3-(ETHYL-2-CHLOROETHYL)AMINOPROPYLAMINO) ACRIDINE DIHYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 500 ng/plate MUREAV 136,185,84

slt-dmg-ori 20,860 µmol/L ENMUDM 6,153,84

ipr-mus TDLo:4 mg/kg (1D pre):REP MUREAV 13,171,71

ivn-mus TDLo:4800 µg/kg/28D-I:NEO CNREA8 36,2423,76

ipr-mus LD20:2 mg/kg JMCMA 15,739,72

ivn-mus LDLo:5 mg/kg CNREA8 36,2423,76

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Questionable carcinogen with experimental neoplastigenic data. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl.**ADK000 CAS: 2465-29-4 HR: 2  
ACRIDINE RED**mf: C<sub>15</sub>H<sub>14</sub>N<sub>2</sub>O•ClH mw: 274.77**PROP:** Sltly sol in water; sol in alc; insol in ether.**SYNS:** ACRIDINE RED 3B □ ACRIDINE RED, HYDROCHLORIDE □ DIMETHYLDIAMINOXANTHENYL CHLORIDE**TOXICITY DATA with REFERENCE:**

sln-dmg-ori 1000 ppm AMNTA4 87,295,53

scu-rat TDLo:1215 mg/kg/59W-I:ETA GANNA2 47,153,56

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl and NO<sub>x</sub>.**ADK250 CAS: 191-27-5 HR: 2  
ACRIDINO(2,1,9,8-klmna)ACRIDINE**mf: C<sub>20</sub>H<sub>10</sub>N<sub>2</sub> mw: 278.32**SYN:** 6,12-DIAZAANTHANTHRENE**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**ADK750 CAS: 72739-00-5 HR: D  
4'-(9-ACRIDINYLAMINO)-2'-AMINOMETHANE SULFONANILIDE**mf: C<sub>20</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>S mw: 378.48**TOXICITY DATA with REFERENCE:**

mmo-sat 42 µmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**ADL000 CAS: 61417-10-5 HR: D  
4'-(9-ACRIDINYLAMINO)-3'-AMINOMETHANE SULFONANILIDE**mf: C<sub>20</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>S mw: 378.48**TOXICITY DATA with REFERENCE:**

mmo-sat 282 µmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**ADL250 CAS: 72738-89-7 HR: D  
4'-(9-ACRIDINYLAMINO)HEXANE SULFONANILIDE**mf: C<sub>25</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>S mw: 433.61**TOXICITY DATA with REFERENCE:**

mmo-sat 4467 nmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**ADL500 CAS: 54301-15-4 HR: 3  
4'-(9-ACRIDINYLAMINO)METHANESULFON-m-ANISIDE MONOHYDROCHLORIDE**mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S•ClH mw: 429.95**PROP:** Crystals. Mp: 231–232°.**SYNS:** m-AMSA HYDROCHLORIDE □ NCI-C03190 □ NSC-141549

**TOXICITY DATA with REFERENCE:**

dnd-mus:leu 2500 µg/L CNREA8 38,1329,78  
 dns-mus-ipr 5 mg/kg CNREA8 38,1329,78  
 oms-ham:ovr 2 mg/L JNCIAM 60,1147,78  
 cyt-ham:ovr 2 mg/L JNCIAM 60,1147,78  
 sce-ham:ovr 50 µg/L JNCIAM 60,1155,78  
 orl-mus LD50:181 mg/kg NCISP\* JAN86  
 ipr-mus LD50:20,560 µg/kg NCISP\* JAN86  
 scu-mus LD50:110 mg/kg NCISP\* JAN86

**SAFETY PROFILE:** Poison by ingestion, subcutaneous and intraperitoneal routes. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.

**ADL750 CAS: 51264-14-3 HR: 3**  
**4'-(9-ACRIDINYLAMINO)METHANESULPHON-m-ANISIDIDE**

mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S mw: 393.49

**SYNS:** 4'-(9-ACRIDINYLAMINO)-3'-METHOXYMETHANE SULFONANILIDE □ 4'-(9-ACRIDINYLAMINO)METHYL SULFONYL-m-ANISIDINE □ AMSA □ m-AMSA □ AMSACRINE □ m-AMSA METHANESULFONATE □ AMSIDINE □ AMSINE □ NSC-141549 □ NSC-249992

**TOXICITY DATA with REFERENCE:**

msc-mus:lym 1 µg/L ENMUDM 8(Suppl 6),23,86  
 dnd-ham:lng 500 nmol/L CNREA8 45,3143,85  
 ipr-rat TDLo:8 mg/kg (female 6-9D post):TER FAATDF 7,214,86  
 ivn-man LDLo:5405 µg/kg/3H-C:BLD AIMDAP 143,165,83  
 ivn-hmn TDLo:12 mg/kg:GIT CNREA8 38,3712,78  
 orl-mus LD50:53,420 µg/kg NCISP\* JAN86  
 ipr-mus LD50:15,470 µg/kg NCISP\* JAN86  
 scu-mus LD50:110 mg/kg NCISP\* JAN86  
 orl-dog LD50:50 mg/kg CTRRDO 66,1939,82  
 ivn-mus LD50:33.7 mg/kg CTRRDO 64,855,80

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. Human systemic effects by intravenous route: nausea or vomiting, thrombosis distant from injection site, and bone marrow changes. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ADM000 HR: 3**  
**4'-(9-ACRIDINYLAMINO)-2'-METHOXY METHANESULFONANILIDE**

mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S mw: 393.49

**SYNS:** N-(4-(9-ACRIDINYLAMINO)-3'-METHOXYPHENYL)METHANESULFONAMIDE □ m-AMSA

**TOXICITY DATA with REFERENCE:**

dnd-mus:leu 10 µmol/L BICHAW 20,6553,81  
 dnd-mus:oth 40 µmol/L ANBCA2 125,91,82  
 cyt-mus:lym 1 mg/L ENMUDM 8(Suppl 6),23,86  
 msc-mus:lym 100 µg/L ENMUDM 8(Suppl 6),23,86  
 dnd-mam:lym 100 mmol/L CBINA8 44,53,83  
 mmo-sat 162 µmol/L JMCMA 23,269,80

sce-hmn:lym 50 µg/L MUREAV 68,295,79  
 ivn-hmn TDLo:34 mg/kg:CVS,BLD CTRRDO 62,1421,78  
 ipr-mus LD10:110 mg/kg JMCMA 23,269,80

**SAFETY PROFILE:** Poison by intraperitoneal route. Human mutation data reported. Human systemic effects by intravenous route: thrombosis distant from injection site, leukopenia, and thrombocytopenia. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ADM250 HR: 3**  
**4'-(9-ACRIDINYLAMINO)-3'-METHOXY METHANESULFONANILIDE**

mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>S mw: 393.49

**TOXICITY DATA with REFERENCE:**

dnd-mam:lym 10,800 µmol/L JMCMA 21,658,78  
 mmo-sat 20 µmol/L JMCMA 23,269,80  
 ipr-mus LD10:9 mg/kg JMCMA 23,269,80

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ADM500 CAS: 59988-01-1 HR: 3**  
**N-(4-(ACRIDINYL-9-AMINO)-3-METHOXY PHENYL)ETHANESULFONAMIDE METHANESULFONATE**

mf: C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>S•CH<sub>3</sub>O<sub>3</sub>S mw: 504.64

**TOXICITY DATA with REFERENCE:**

mma-sat 93,200 nmol/L JMCMA 22,251,79  
 ipr-mus LD10:10,500 µg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.

**ADN000 CAS: 57164-87-1 HR: D**  
**4'-(9-ACRIDINYLAMINO)-2-METHYLMETHANE SULFONANILIDE**

mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S mw: 377.49

**TOXICITY DATA with REFERENCE:**

mmo-sat 36 µmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic NO<sub>x</sub> and SO<sub>x</sub> fumes.

**ADN250 CAS: 57164-89-3 HR: 3**  
**4'-(9-ACRIDINYLAMINO)-3'-METHYL METHANESULFONANILIDE**

mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S mw: 377.49

**TOXICITY DATA with REFERENCE:**

mmo-sat 132 µmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

**ADN500 CAS: 72738-98-8 HR: D**  
**4'-(9-ACRIDINYLAMINO)-2'-NITROMETHANE SULFONANILIDE**

mf: C<sub>20</sub>H<sub>16</sub>N<sub>4</sub>O<sub>4</sub>S mw: 408.46

**TOXICITY DATA with REFERENCE:**

mma-sat 28,800 nmol/L JMCMA 23,269,80

**SAFETY PROFILE:** Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**ADO250 CAS: 53221-85-5 HR: 3  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL) BUTANE  
SULFONAMIDE, HYDROCHLORIDE**mf: C<sub>23</sub>H<sub>23</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 442.01**TOXICITY DATA with REFERENCE:**

mma-sat 49,300 nmol/L JMCMA 22,251,79

ipr-mus LD10:350 mg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl, SO<sub>x</sub>, and NO<sub>x</sub>.**ADO500 CAS: 53221-86-6 HR: 2  
N-(p-(9-ACRIDINYLAMINO)PHENYL)-1-  
ETHANESULFONAMIDE**mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S mw: 377.49**TOXICITY DATA with REFERENCE:**

mma-sat 24 µmol/L JMCMA 23,269,80

ipr-mus LD10:330 mg/kg JMCMA 21,430,78

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.**ADO750 CAS: 53221-83-3 HR: 3  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL)-ETHANE  
SULFONAMIDE, HYDROCHLORIDE**mf: C<sub>21</sub>H<sub>19</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 413.95**TOXICITY DATA with REFERENCE:**

ipr-mus LD10:330 mg/kg JMCMA 22,251,79

mma-sat 81,600 nmol/L JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. See also SULFONATES. Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl<sup>-</sup>, SO<sub>x</sub>, and NO<sub>x</sub>.**ADP000 CAS: 66147-69-1 HR: 2  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL) HEXANE  
SULFONAMIDE, HYDROCHLORIDE**mf: C<sub>25</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 470.07**TOXICITY DATA with REFERENCE:**

mma-sat 9400 nmol/L JMCMA 22,251,79

ipr-mus LD10:120 mg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Mutation data reported. When heated to decomposition it emits very toxic fumes such as Cl<sup>-</sup>, SO<sub>x</sub>, and NO<sub>x</sub>.**ADP500 CAS: 75775-83-6 HR: 3  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL) METHANE  
SULFONAMIDE HYDROCHLORIDE**mf: C<sub>20</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 399.92**TOXICITY DATA with REFERENCE:**

mma-sat 110 µmol/L JMCMA 22,251,79

ipr-mus LD10:66 mg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.**ADP750 CAS: 66147-68-0 HR: 3  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL) PENTANE  
SULFONAMIDE HYDROCHLORIDE**mf: C<sub>24</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 456.04**TOXICITY DATA with REFERENCE:**

mma-sat 15,600 nmol/L JMCMA 22,251,79

ipr-mus LD10:70 mg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. Mutation data reported. See also SULFONATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.**ADQ000 CAS: 53221-88-8 HR: 2  
N-(p-(9-ACRIDINYLAMINO)PHENYL)-1-  
PROPANESULFONAMIDE**mf: C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>S mw: 391.52**TOXICITY DATA with REFERENCE:**

mma-sat 24 µmol/L JMCMA 23,269,80

ipr-mus LD10:350 mg/kg JMCMA 21,430,78

**SAFETY PROFILE:** Poison by intraperitoneal route. See also SULFONATES. Mutation data reported. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.**ADQ250 HR: 2  
N-(p-(ACRIDIN-9-YLAMINO)PHENYL)PROPANE  
SULFONAMIDE HYDROCHLORIDE**mf: C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>O<sub>2</sub>S•ClH mw: 427.98**TOXICITY DATA with REFERENCE:**

mma-sat 50,100 nmol/L JMCMA 22,251,79

ipr-mus LD10:350 mg/kg JMCMA 22,251,79

**SAFETY PROFILE:** Poison by intraperitoneal route. See also SULFONATES. Mutation data reported. When heated to decomposition it emits very toxic fumes of HCl, SO<sub>x</sub>, and NO<sub>x</sub>.**ADQ500 CAS: 72667-36-8 HR: D  
N-(9-ACRIDINYL)-N'-(2-CHLOROETHYL)-1,3-  
PROPANEDIAMINE**mf: C<sub>18</sub>H<sub>20</sub>ClN<sub>2</sub> mw: 299.65**SYN:** ICR 449**TOXICITY DATA with REFERENCE:**

mma-sat 500 ng/plate MUREAV 136,185,84

msc-ham:ovr 1 µmol/L CNREA8 39,487,79

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits very toxic fumes of Cl and NO<sub>x</sub>.**ADQ550 CAS: 28846-44-8 HR: 3  
2-(1-(9-ACRIDINYL)HYDRAZINO)ETHANOL  
MONOHYDROCHLORIDE**

mf:  $C_{15}H_{15}N_3O \cdot ClH$  mw: 289.79

**SYN:** ETHANOL, 2-(1-(9-ACRIDINYL)HYDRAZINO)-, MONOHYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:10 mg/kg USXXAM #3712943

**SAFETY PROFILE:** A poison by ingestion. When heated to decomposition it emits toxic vapors of  $NO_x$ , HCl, and  $Cl^-$ .

**ADQ560 CAS: 28846-37-9 HR: 3**  
**4-(9-ACRIDINYL)-2-METHYL-3-THIOSEMI**  
**CARBAZIDE**

mf:  $C_{15}H_{14}N_4S$  mw: 282.39

**SYN:** SEMICARBAZIDE, 4-(9-ACRIDINYL)-2-METHYL-3-THIO-

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:5 mg/kg USXXAM #3712943

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

**ADQ600 CAS: 29023-85-6 HR: 3**  
**4-(9-ACRIDINYL)-2-METHYL-3-THIOSEMI**  
**CARBAZONE ACETONE**

mf:  $C_{18}H_{18}N_4S$  mw: 322.46

**TOXICITY DATA with REFERENCE:**

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

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

**ADQ610 CAS: 29023-84-5 HR: 3**  
**4-(9-ACRIDINYL)-3-THIOSEMICARBAZIDE**

mf:  $C_{14}H_{12}N_4S$  mw: 268.36

**SYN:** SEMICARBAZIDE, 4-(9-ACRIDINYL)-3-THIO-

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:50 mg/kg USXXAM #3712943

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

**ADQ700 CAS: 65589-70-0 HR: D**  
**ACRIFLAVINE**

**SYNS:** FLAVACRIDINE □ FUNGUS CURE

**TOXICITY DATA with REFERENCE:**

mic-esc 5  $\mu Lg$ /plate MUREAV 131,193,1984

mic-bcs 6 mg/L/2H-C CJMIAZ 14,61,1968

mic-uns 100 mg/L/2D JULRA7 25,37,1968

slt-orl-uns-dmg 5000 ppm MUREAV 138,169,1984

sln-orl-uns-dmg 10 pph MUREAV 121,199,1983

dni-hmn-hla 10  $\mu mol/L$  RAREAE 37,334,1969

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

**ADR000 CAS: 107-02-8 HR: 3**  
**ACROLEIN**

**DOT:** UN 1092

mf:  $C_3H_4O$  mw: 56.07

$H_2C=CHCOH$

**PROP:** Colorless or yellowish liquid; lachrymatory, disagreeable, choking odor. Mp:  $-87.7^\circ$ , bp:  $52.5^\circ$ , flash p:  $<0^\circ F$ , d: 0.841 @  $20^\circ/4^\circ$ , autoign temp: unstable ( $455^\circ F$ ), lel: 2.8%, uel: 31%, vap d: 1.94. Sol in water, alc, and ether. IDLH 2 ppm.

**SYNS:** ACQUINITE □ ACRALDEHYDE □ ACROLEINA (ITALIAN) □ ACROLEINE (DUTCH, FRENCH) □

ACRYLALDEHYD (GERMAN) □ ACRYLALDEHYDE □ ACRYLIC ALDEHYDE □ AKROLEIN (CZECH) □ AKROLEINA (POLISH) □

ALDEHYDE ACRYLIQUE (FRENCH) □ ALDEIDE ACRILICA (ITALIAN) □ ALLYL ALDEHYDE □ AQUALINE □ BIOCIDE □

CROLEAN □ ETHYLENE ALDEHYDE □ MAGNACIDE H □ NSC-

8819 □ PROPENAL (CZECH) □ 2-PROPENAL □ PROP-2-EN-1-AL

□ 2-PROPEN-1-ONE □ PROPYLENE ALDEHYDE □ RCRA

WASTE NUMBER P003 □ SLIMICIDE

**TOXICITY DATA with REFERENCE:**

eye-hmn 500 ppb/12M IAPWAR 4,79,61

skn-rbt 5 mg open SEV UCDS\*\* 6/18/71

skn-rbt 500 mg/24H SEV 28ZPAK -,41,72

eye-rbt 1 mg SEV UCDS\*\* 6/18/71

eye-rbt 50  $\mu g$ /24H SEV 28ZPAK -,41,72

sce-ham:ovr 10  $\mu mol/L$  CGCGBR 26,108,80

mma-sat 50  $\mu g$ /plate NTPTB\* JAN 82

ihl-man TCLo:1 ppm:IRR,IMM BMJOAE 2,913,56

ihl-hmn LCLo:5500 ppb 34ZIAG -,73,69

ihl-hmn LCLo:153 ppm/10M NTIS\*\* PB214-270

ihl-chd TCLo:300 ppb/2H:PUL NPMAD 8,2469,79

idr-man LDLo:250 mg/kg AEXPBL 43,351,1900

orl-rat LD50:46 mg/kg FMCHA2 -,C24,89

ihl-rat LC50:300 mg/ $m^3$ /30M APTOA6 6,299,50

ipr-rat LD50:4 mg/kg TXAP9 71,84,83

scu-rat LD50:50 mg/kg APTOA6 6,299,50

orl-mus LD50:40 mg/kg BIJOAK 34,1196,40

ihl-mus LC50:66 ppm/6H IAAANS 26,281,70

ipr-mus LD50:9008  $\mu g$ /kg NCISP\* JAN86

scu-mus LD50:30 mg/kg APTOA6 6,299,50

ihl-cat LCLo:1570 mg/ $m^3$ /8H APTOA6 6,299,50

**CONSENSUS REPORTS:** IARC Cancer Review:

Group 3 IMEMDT 7,78,87; Animal Inadequate Evidence

IMEMDT 36,133,85; IMEMDT 19,479,79; Human

Inadequate Evidence IMEMDT 36,133,85. Community

Right-To-Know List. EPA Extremely Hazardous

Substances List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 0.1 ppm; STEL 0.3 ppm

**ACGIH TLV:** STEL CL 0.1 ppm (skin); Not Classifiable as a Human Carcinogen

**DFG MAK:** Confirmed Animal Carcinogen with Unknown Relevance to Humans

**DOT CLASSIFICATION:** 6.1; Label: Poison, Flammable Liquid

**SAFETY PROFILE:** Human poison by inhalation and intradermal routes. Poison experimentally by most routes.

Human systemic irritant and pulmonary system effects by inhalation include: lachrymation, delayed hypersensitivity

with multiple organ involvement, and respiratory system

damage. Severe eye and skin irritant. Experimental

reproductive effects. Human mutation data reported.

Questionable carcinogen. Dangerous fire hazard when

exposed to heat, flame, or oxidizers. An explosion hazard.

Incompatible with amines, SO<sub>2</sub>, metal salts, oxidants, (light + heat). Violent polymerization reaction on contact with strong acid, strong base, weak acid conditions (e.g., nitrous fumes, sulfur dioxide, carbon dioxide), thiourea, or dimethylamine. When heated to decomposition it emits highly toxic fumes; can react vigorously with oxidizing materials. To fight fire, use CO<sub>2</sub>, dry chemical, or alcohol foam.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #52 or NIOSH: Acrolein, 2501.

**ADR250 CAS: 869-29-4 HR: 3**  
**ACROLEIN DIACETATE**

mf: C<sub>7</sub>H<sub>10</sub>O<sub>4</sub> mw: 158.17

**PROP:** Liquid. Mp: -36.6°, bp: 107° @ 50 mm, flash p: 180°F (OC), d: 1.0749 @ 20°/20°, vap d: 5.46.

**SYNS:** ALLYLIDENE DIACETATE □ DIACETOXYPROPENE □ 1,1-DIACETOXYPROPENE-2 □ 3,3-DIACETOXYPROPENE □ SD-345 □ SHELL 345 □ SHELL SD 345

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H JIHTAB 30,63,48  
 skn-rbt 500 mg open SEV UCDS\*\* 12/27/71  
 eye-rbt 10 mg SEV UCDS\*\* 12/27/71  
 orl-rat LD50:35 mg/kg SCCUR\* -,1,61  
 ihl-rat LCLo:8 ppm/4H UCDS\*\* 12/27/71  
 orl-mus LD50:37,500 µg/kg SCCUR\* -,1,61  
 ihl-mus LCLo:853 ppm/15M SCCUR\* -,1,61  
 skn-rbt LD50:320 µL/kg UCDS\*\* 12/27/71  
 skn-gpg LDLo:500 mg/kg SCCUR\* -,1,61

**SAFETY PROFILE:** Poison by ingestion and inhalation, and skin contact. A severe skin and eye irritant. Flammable when exposed to heat or flame; can react with oxidizing materials. When heated to decomposition it emits acrid smoke and fumes. To fight fire, water may be used to blanket the fire; also, foam, CO<sub>2</sub>, dry chemical.

**ADR500 CAS: 100-73-2 HR: 2**  
**ACROLEIN DIMER**

**DOT:** UN 2607

mf: C<sub>6</sub>H<sub>8</sub>O<sub>2</sub> mw: 112.14

**PROP:** Liquid, sol in water. D: 1.0775 (20°), bp: 151.3°, fp: -100°, flash p: 118°F (OC).

**SYNS:** ACROLEIN DIMER, stabilized (DOT) □ 3,4-DIHYDRO-2H-PYRAN-2-CARBOXALDEHYDE □ 2,3-DIHYDRO-1,4-PYRAN-2-KARBOXALDEHYD □ 2-FORMYL-3,4-DIHYDRO-2H-PYRAN □ 5-HEXENAL, 2,6-EPOXY- □ PYRAN ALDEHYDE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS\*\* 7/27/65  
 eye-rbt 750 µg open SEV AMIHBC 10,61,54  
 skn-rbt 500 mg open MLD UCDS\*\* 7/27/65  
 eye-rbt 750 µg SEV AMIHBC 10,61,54  
 orl-rat LD50:4920 mg/kg AMIHBC 10,61,54

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid

**SAFETY PROFILE:** Mildly toxic by ingestion. A skin and severe eye irritant. A flammable liquid when exposed to heat, flame, or powerful oxidizing agents. To fight fire, use alcohol foam and multipurpose dry chemical. When heated to decomposition it emits acrid smoke and fumes.

**ADR750 CAS: 7008-42-6 HR: 2**

**ACRONYCINE**

mf: C<sub>20</sub>H<sub>19</sub>NO<sub>3</sub> mw: 321.40

**PROP:** Yellow needles from ethanol. Mp: 175–176°.

**SYNS:** ACROMYCINE □ ACRONINE □ COMPOUND 42339 □ 3,12-DIHYDRO-6-METHOXY-3,3,12-TRIMETHYL-7H-PYRANO(2,3-C)ACRIDIN-7-ONE □ NCI-C01536 □ NSC-403169

**TOXICITY DATA with REFERENCE:**

dni-mus:leu 1 µmol/L CNREA8 33,2310,73  
 orl-mus LD50:522 mg/kg NCISP\* JAN 86  
 ipr-mus LD50:613 mg/kg NCISP\* JAN 86  
 cyt-mus:fbr 10 mg/L/24H ARZNAD 27,1549,77  
 ipr-rat TDLo:1170 mg/kg/1Y-I:CAR NCITR\* NCI-CG-TR-49,78  
 ipr-rat TD:1800 mg/kg/1Y-I:CAR NCITR\* NCI-CG-TR-49,78

**CONSENSUS REPORTS:** NCI Carcinogenesis

Bioassay (ipr); Inadequate Studies: mouse NCITR\* NCI-CG-TR-49,78; Clear Evidence: rat NCITR\* NCI-CG-TR-49,78

**SAFETY PROFILE:** Moderately toxic by ingestion and intraperitoneal routes. Questionable carcinogen with experimental carcinogenic, neoplastic, and tumorigenic data. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADS150 HR: 2**

**ACROSTICHUM AUREUM Linn., extract**

**PROP:** Indian plant belonging to the family Pteridiaceae (IJEBA6 15,208,77).

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:750 mg/kg IJEBA6 15,208,77

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

**ADS250 CAS: 79-06-1 HR: 3**

**ACRYLAMIDE**

**DOT:** UN 2074

mf: C<sub>3</sub>H<sub>5</sub>NO mw: 71.09

**PROP:** White, crystalline solid. Leaflets from (C<sub>6</sub>H<sub>6</sub>). Mp: 84.5 ± 0.3°, bp: 125° @ 25 mm, d: 1.122 @ 30°, vap press: 1.6 mm @ 84.5°, vap d: 2.45. Very sol in water, alc, and ether. IDLH 60 mg/m<sup>3</sup>.

**SYNS:** ACRYLIC AMIDE □ AKRYLAMID (CZECH) □ AMID KYSELINY AKRYLOVE □ ETHYLENOCARBOXAMIDE □ PROPENAMIDE □ 2-PROPENAMIDE □ RCRA WASTE NUMBER U007 □ VINYL AMIDE

**TOXICITY DATA with REFERENCE:**

skn-rbt 50 mg/3D MLD TXAPA9 6,172,64  
 skn-rbt 500 mg/24H MLD 85JCAE -,337,86  
 eye-rbt 10 mg/30S RNS MLD TXAPA9 6,172,64  
 eye-rbt 100 mg/24H MOD 28ZPAK -,54,72  
 sce-rat-ork 600 mg/kg/10D-C ENMUDM 7(Suppl 3),79,85  
 dlt-mus-ipr 125 mg/kg MUREAV 173,35,86  
 orl-rat LD:1456 mg/kg/2Y-C:CAR,REP TXAPA9 85,154,86  
 orl-rat LD50:124 mg/kg AMPMAR 36,58,75  
 skn-rat LD50:400 mg/kg GISAAA 44(10),73,79

ipr-rat LD50:90 mg/kg AMPMAR 36,58,75  
 orl-mus LD50:107 mg/kg ARTODN 47,179,81  
 ipr-mus LD50:170 mg/kg TXAPA9 33,142,75  
 orl-rbt LD50:150 mg/kg TXAPA9 6,172,64  
 skn-rbt LDLo:1000 mg/kg TXAPA9 6,172,64  
 skn-rbt LD50:1680  $\mu$ L/kg JACTDZ 1,115,90  
 orl-gpg LDLo:252 mg/kg TXAPA9 6,172,64  
 scu-gpg LD50:170 mg/kg MELAAD 47,192,56

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 39,41,86. EPA Extremely Hazardous Substances List. Community Right-To-Know List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 0.03 mg/m<sup>3</sup> (skin)

**ACGIH TLV:** Animal Carcinogen, TWA 0.03 mg/m<sup>3</sup> (skin)

**DFG MAK:** Animal Carcinogen, Suspected Human Carcinogen

**NIOSH REL:** TWA 0.3 mg/m<sup>3</sup>

**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD

**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic and neoplastigenic data. Poison by ingestion, skin contact, and intraperitoneal routes. Experimental reproductive effects. Mutation data reported. A skin and eye irritant. Intoxication from it has caused a peripheral neuropathy, erythema, and peeling palms. In industry, intoxication is mainly via dermal route, next via inhalation, and last via ingestion. Time of onset varied from 1–24 months to 8 years. Symptoms were, via dermal route, a numbness, tingling, and touch tenderness. In a couple of weeks, coldness of extremities; later, excessive sweating, bluish-red and peeling palms, marked fatigue and limb weakness. It is dangerous because it can be absorbed through the unbroken skin. From animal experiments it seems to be a central nervous system toxin. Adult rats fed an average of 30 mg/kg for 14 days were all partially paralyzed and had reduced their food consumption by 50 percent. Polymerizes violently at its melting point. When heated to decomposition it emits acrid fumes and NO<sub>x</sub>.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #21.

**ADS300 CAS: 15214-89-8 HR: 1**  
**2-ACRYLAMIDO-2-METHYL-1-PROPANE**  
**SULFONIC ACID**

mf: C<sub>7</sub>H<sub>13</sub>NO<sub>4</sub>S mw: 207.27

**SYNS:** 2-ACRYLAMIDO-2,2-DIMETHYLETHANESULFONIC ACID ☐ 2-ACRYLAMIDO-2-METHYLPROPANESULFONIC ACID ☐ AMPS (SULFONIC ACID) ☐ LUBRIZOL 2404 ☐ LUBRIZOL AMPS ☐ 1-PROPANESULFONIC ACID, 2-ACRYLAMIDO-2-METHYL- ☐ 1-PROPANESULFONIC ACID, 2-METHYL-2-((1-OXO-2-PROPENYL)AMINO)- ☐ TBAS-Q

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:5400 mg/kg TOVEFN (3),34,2000

**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.

**ADS400 HR: D**

**ACRYLATE-ACRYLAMIDE RESINS**

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

**ADS750 CAS: 79-10-7 HR: 3**

**ACRYLIC ACID**

**DOT:** UN 2218

mf: C<sub>3</sub>H<sub>4</sub>O<sub>2</sub> mw: 72.07

H<sub>2</sub>C=CHCO•OH

**PROP:** Liquid with acrid odor. Misc in water, benzene, alc, chloroform, ether, and acetone. Mp: 13°, bp: 141° (polymerizes), d: 1.062, vap press: 10 mm @ 39.9°, flash p: 130°F (OC), vap d: 2.45.

**SYNS:** ACROLEIC ACID ☐ ACRYLIC ACID, GLACIAL ☐ ACRYLIC ACID, inhibited (DOT) ☐ ETHYLENECARBOXYLIC ACID ☐ GLACIAL ACRYLIC ACID ☐ KYSELINA AKRYLOVA ☐ PROPENE ACID ☐ PROPENOIC ACID ☐ 2-PROPENOIC ACID (9CI) ☐ RCRA WASTE NUMBER U008 ☐ VINYLFORMIC ACID

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open SEV UCDS\*\* 2/2/65

eye-rbt 1 mg SEV UCDS\*\* 2/2/65

eye-rbt 250  $\mu$ g/24H SEV 85JCAE -,309,86

orl-rat LD50:33,500  $\mu$ g/kg 85GMAT -,16,82

ihl-rat LCLo:4000 ppm/4H TXAPA9 28,313,74

ipr-rat LD50:22 mg/kg JDREAF 51,1632,72

orl-mus LD50:2400 mg/kg BIJOAK 34,1196,40

ihl-mus LCLo:5300 mg/m<sup>3</sup>/2H 85GMAT -,16,82

scu-mus LD50:1590 mg/kg JPPMAB 21,85,69

skn-rbt LD50:280 mg/kg TXAPA9 28,313,74

**CONSENSUS REPORTS:** IARC Cancer Review:

Group 3 IMEMDT 7,56,87; Human Inadequate Evidence IMEMDT 19,47,79. Community Right-To-Know List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 10 ppm (skin)

**ACGIH TLV:** 2 ppm (skin); Not Classifiable as a Human Carcinogen

**DOT CLASSIFICATION:** 8; Label: Corrosive

**SAFETY PROFILE:** Poison by ingestion, skin contact, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. A severe skin and eye irritant. Questionable carcinogen with experimental carcinogenic and tumorigenic data. Corrosive. Flammable liquid. May undergo exothermic polymerization at room temperature. May become explosive if confined. A fire hazard when exposed to heat or flame.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #28.

**ADT000 CAS: 2206-89-5 HR: 3**

**ACRYLIC ACID- $\beta$ -CHLOROETHYL ESTER**

mf: C<sub>5</sub>H<sub>7</sub>ClO<sub>2</sub> mw: 134.57

**SYNS:** 2-CHLOROETHANOL ACRYLATE ☐ CHLOROETHYL ACRYLATE ☐  $\beta$ -CHLOROETHYL ACRYLATE ☐ 2-CHLOROETHYL ACRYLATE ☐ 2-PROPENOIC ACID-2-CHLOROETHYL ESTER

**TOXICITY DATA with REFERENCE:**

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

eye-rbt 50  $\mu$ g open SEV AMIHBC 4,119,51

mmo-sat 333 µg/plate ENMUDM 9(Suppl 9),1,87  
 orl-rat LD50:180 mg/kg AMIHBC 4,119,51  
 ihl-rat LCLo:250 ppm/4H AMIHBC 4,119,51

**SAFETY PROFILE:** Poison by inhalation and ingestion. A severe skin and eye irritant. Mutation data reported. See also ESTERS. When heated to decomposition it emits toxic fumes of Cl<sup>-</sup>.

**ADT050 CAS: 17831-71-9 HR: 2**  
**ACRYLIC ACID, DIESTER with TETRAETHYLENE GLYCOL**

mf: C<sub>14</sub>H<sub>22</sub>O<sub>7</sub> mw: 302.36

**PROP:** Photosensitive polyimide resin.

**SYNS:** ACRYLIC ACID, OXYBIS(ETHYLENEOXYETHYLENE) ESTER □ 2-PROPENOIC ACID, OXYBIS(2,1-ETHANEDIYLOXY-2,1-ETHANEDIYL)ESTER □ TETRAETHYLENE GLYCOL DIACRYLATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD JTEHD6 19,149,86

eye-rbt 100 mg SEV JTEHD6 19,149,86

mmt-mus:lym 2 mg/L MUTAEX 4,381,89

cyt-mus:lym 2 mg/L MUTAEX 4,381,89

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderate skin and severe eye irritant. Questionable carcinogen with experimental tumorigenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

**ADT111 CAS: 106-71-8 HR: 3**  
**ACRYLIC ACID ESTER with HYDRACRYLO-NITRILE**

mf: C<sub>6</sub>H<sub>7</sub>NO<sub>2</sub> mw: 125.14

**PROP:** Liquid, sol in water, d: 1.069, bp: polymerizes, fp: -16.9°, flash p: 255°F (COC), vap d: 4.3.

**SYNS:** ACRYLIC ACID-2-CYANOETHYL ESTER □ CYANOETHYL ACRYLATE □ 2-CYANOETHYL ACRYLATE □ 2-CYANOETHYL PROPENOATE □ HYDRACRYLONITRILE ACRYLATE □ 2-PROPENOIC ACID-2-CYANOETHYL ESTER

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MOD UCDS\*\* 9/27/60

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

eye-rbt 5 mg MLD UCDS\*\* 9/27/60

orl-rat LD50:180 mg/kg UCDS\*\* 9/27/60

skn-rbt LD50:220 µL/kg AIHAAP 23,95,62

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

**SAFETY PROFILE:** Poison by ingestion and skin contact. A skin and eye irritant. See also ESTERS and NITRILES. A fire hazard when exposed to heat or flame. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and CN<sup>-</sup>.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #ID-55.

**ADT250 CAS: 4074-88-8 HR: 3**  
**ACRYLIC ACID, 2-ETHOXYETHANOL DIESTER**

mf: C<sub>10</sub>H<sub>14</sub>O<sub>5</sub> mw: 214.24

**PROP:** Colorless liquid. D: 1.11. Flash pt: 78°.

**SYNS:** ACRYLIC ACID, OXYDIETHYLENE ESTER (8CI) □ DIACRYALTE DIETHYLENE GLYCOL □ DIETHYLENE GLYCOL DIACRYLATE □ OXYDIETHYLENE ACRYLATE □ OXYDIETHYLENE DIACRYLATE □ 2-PROPENOIC ACID, OXYDI-2,1-ETHANEDIYL ESTER (9CI) □ TGA 2

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg SEV JTEHD6 19,149,86

eye-rbt 100 mg SEV JTEHD6 19,149,86

orl-rat LD50:250 mg/kg GISAAA 55(6),86,90

orl-mus LD50:550 mg/kg GISAAA 55(6),86,90

skn-rbt LD50:180 µL/kg TXAPA9 28,313,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by ingestion and skin contact. A severe skin and eye irritant. See also ESTERS. A combustible liquid. When heated to decomposition it emits acrid smoke and fumes.

**ADT500 CAS: 106-74-1 HR: 2**  
**ACRYLIC ACID, 2-ETHOXYETHYL ESTER**

mf: C<sub>7</sub>H<sub>12</sub>O<sub>3</sub> mw: 144.19

**PROP:** Liquid. D: 0.982, bp: 22° @ 78 mm.

**SYNS:** ACRYLIC ACID-2-ETHOXYETHANOL ESTER □ CELLOSOLVE ACRYLATE □ ETHOXYETHYL ACRYLATE □ 2-ETHOXYETHYL ACRYLATE □ 2-ETHOXYETHYL-2-PROPENOATE □ ETHYLENE GLYCOL MONOETHYL ETHER ACRYLATE □ ETHYLENE GLYCOL MONOETHYL ETHER PROPENOATE □ 2-PROPENOIC ACID-2-ETHOXYETHYL ESTER

**TOXICITY DATA with REFERENCE:**

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

skn-rbt 500 mg open MLD UCDS\*\* 6/6/69

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

orl-rat LD50:1070 mg/kg UCDS\*\* 9/15/64

ihl-rat LCLo:500 ppm/4H AMIHBC 10,61,54

skn-rbt LD50:1010 mg/kg AMIHBC 10,61,54

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by various routes. A skin and severe eye irritant. See also ESTERS. When heated to decomposition it emits acrid smoke and fumes.

**ADU250 CAS: 103-11-7 HR: 3**  
**ACRYLIC ACID-2-ETHYLHEXYL ESTER**

mf: C<sub>11</sub>H<sub>20</sub>O<sub>2</sub> mw: 184.31

**PROP:** A liquid. Fp: -90°, bp: 130° @ 50 mm, flash p: 180°F (OC), d: 0.8869 @ 20°/20°, vap press: 1 mm @ 50°, vap d: 6.35.

**SYNS:** 2-ETHYLHEXYL ACRYLATE □ 2-ETHYLHEXYL-2-PROPENOATE □ OCTYL ACRYLATE □ 2-PROPENOIC ACID-2-ETHYLHEXYL ESTER

**TOXICITY DATA with REFERENCE:**

skn-rbt 20 mg/24H MOD 85JCAE -,372,86

skn-rbt 500 mg open MLD

UCDS\*\* 11/3/71

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

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

eye-rbt 500 mg/24H MLD 85JCAE -,372,86

orl-rat LD50:6500 µL/kg UCDS\*\* 11/3/71

ipr-rat LD50:1670 mg/kg AMPMAR 36,58,75  
 orl-mus LD50:4400 mg/kg GTPZAB 26(9),52,82  
 ihl-mus LCLo:600 mg/m<sup>3</sup> GTPZAB 26(9),52,82  
 ipr-mus LD50:1326 mg/kg JDREAF 51,526,72  
 skn-rbt LD50:8480 mg/kg AMIHBC 4,119,51

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by inhalation and various other routes. A severe skin and eye irritant.

Questionable carcinogen with experimental carcinogenic and neoplastigenic data. A flammable liquid. A fire hazard when exposed to heat or flame. To fight fire, use alcohol foam, CO<sub>2</sub>, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ESTERS.

**ADU500** **HR: 3**  
**ACRYLIC ACID ETHYLHEXYL ESTER mixed with HYDROXYETHYL ESTER (50:50)**

**SYNS:** ETHYLHEXYL ACRYLATE 50:50 MIXTURE □ HYDROXYETHYL ACRYLATE

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1540 mg/kg UCDS\*\* 3/23/73  
 skn-rbt LD50:170 mg/kg UCDS\*\* 3/23/73

**SAFETY PROFILE:** Poison by skin contact. Moderately toxic by ingestion. See also ESTERS. When heated to decomposition it emits acrid smoke and fumes.

**ADU750** **CAS: 122-93-0** **HR: 3**  
**ACRYLIC ACID-2-(5'-ETHYL-2-PYRIDYL)ETHYL ESTER**

mf: C<sub>12</sub>H<sub>15</sub>NO<sub>2</sub> mw: 205.28

**PROP:** Liquid, very sltly water-sol. D: 1.0458 @ 20°, bp: 181° @ 50 mm, fp: -75°.

**SYNS:** 2-(5-ETHYL-2-PYRIDYL)ETHYL ACRYLATE □ 2-(5-ETHYL-2-PYRIDYL)ETHYL PROPENOATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open SEV AIHAAP 23,95,62  
 orl-rat LD50:4920 mg/kg AIHAAP 23,95,62  
 skn-rbt LD50:2230 mg/kg AIHAAP 23,95,62

**SAFETY PROFILE:** Moderately toxic by skin contact. Mildly toxic by ingestion. A severe skin irritant. See also ESTERS. Flammable. Store away from heat, sparks, or powerful oxidizers. To fight fire, use foam, CO<sub>2</sub>, dry chemicals. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**ADV000** **CAS: 2499-95-8** **HR: 1**  
**ACRYLIC ACID HEXYL ESTER**

mf: C<sub>9</sub>H<sub>16</sub>O<sub>2</sub> mw: 156.25

**PROP:** Liquid. Bp: 40°, mp: -45°. Insol in water.

**SYNS:** AGEFLEX n-HA □ HEXYL ACRYLATE □ N-HEXYL ACRYLATE □ HEXYL-2-PROPENOATE □ 2-PROPENOIC ACID, HEXEL ESTER

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:26 g/kg AIHAAP 30,470,69  
 skn-rbt LD50:5660 mg/kg AIHAAP 30,470,69

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mildly toxic by skin contact. See also ESTERS. When heated to decomposition it emits acrid smoke and fumes.

**ADV250** **CAS: 818-61-1** **HR: 2**  
**ACRYLIC ACID-2-HYDROXYETHYL ESTER**

mf: C<sub>5</sub>H<sub>8</sub>O<sub>3</sub> mw: 116.13

**PROP:** Liquid. D: 1.011 @ 23.4°, bp: 12° @ 90–92 mm.

**SYNS:** 2-(ACRYLOYLOXY)ETHANOL □ BISOMER 2HEA □ ETHYLENE GLYCOL ACRYLATE □ ETHYLENE GLYCOL MONOACRYLATE □ HYDROXYETHYL ACRYLATE □ β-HYDROXYETHYL ACRYLATE □ 2-HYDROXYETHYL ACRYLATE □ 2-PROPENOIC ACID-2-HYDROXYETHYL ESTER (9CI)

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MOD UCDS\*\* 3/23/73  
 skn-rbt 10 mg/24H open MLD AMIHBC 4,119,51  
 eye-rbt 1 mg SEV UCDS\*\* 3/23/73  
 eye-rbt 20 mg/24H MOD 85JCAE -,666,86  
 mnt-mus:lym 18 mg/L MUTAEX 4,381,89  
 cyt-mus:lym 15 mg/L MUTAEX 4,381,89  
 orl-rat LD50:650 µL/kg UCDS\*\* 3/23/73  
 ihl-rat LCLo:500 ppm/4H AMIHBC 4,119,51  
 skn-rbt LD50:1010 mg/kg AMIHBC 4,119,51

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion, inhalation, and skin contact. A moderate skin and severe eye irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes. See also ESTERS.

**ADV900** **CAS: 9003-01-4** **HR: 3**  
**ACRYLIC ACID, POLYMERS**

mf: (C<sub>3</sub>H<sub>4</sub>O<sub>2</sub>)<sub>4</sub> mw: 168.06

**SYNS:** ACRYLIC ACID RESIN □ ACRYLIC POLYMER □ ACRYLIC RESIN □ ACRY SOL A 1 □ ACRY SOL A 3 □ ACRY SOL A 5 □ ACRY SOL AC 5 □ ACRY SOL ASE-75 □ ACRY SOL WS-24 □ ALCOGUM □ ANTIPREX A □ ANTIPREX 461 □ AROLON □ ARON □ ARON A 10H □ ATACTIC POLY (ACRYLIC ACID) □ CARBOMER 940 □ CARBOMER 934P □ CARBOPOL 934 □ CARBOPOL 940 □ CARBOPOL 941 □ CARBOPOL 960 □ CARBOPOL 961 □ CARBOPOL 934P □ CARBOSET □ CARBOSET 515 □ CARBOSET RESIN NO. 515 □ CARPOLENE □ DISPEX C40 □ G-CURE □ GOOD-RITE K 37 □ GOOD-RITE K-700 □ GOOD-RITE K 702 □ GOOD-RITE K727 □ GOOD-RITE WS 801 □ HALOFLEX 202 □ HALOFLEX 208 □ JUNLON 110 □ JURIMER AC 10H □ JURIMER AC 10P □ NALFLOC 636 □ NEOCRYL A-1038 □ OLD 01 □ PAA-25 □ PA 11M □ P 11H □ POLYACRYLATE □ POLY (ACRYLIC ACID) □ POLYTEX 973 □ PRIMAL ASE 60 □ 2-PROPENOIC ACID HOMOPOLYMER (9CI) □ R968 □ RACRYL □ 76 RES □ REVACRYL A 191 □ ROHAGIT SD 15 □ SYNTHEMUL 90-588 □ TECPOL □ TEXCRYL □ VERSICOL E 7 □ VERSICOL E9 □ VERSICOL E15 □ VERSICOL S 25 □ VISCALEX HV 30 □ VISCON 103 □ WS 24 □ WS 801 □ XPA □ ZINPOL

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:2500 mg/kg ACIEAY 14,94,75  
 orl-mus LD50:4600 mg/kg FRPPAO 25,721,70  
 ipr-mus LD50:39 mg/kg JMCMA 21,652,78  
 ivn-mus LD50:70 mg/kg ZMEIAV (9),14,79

orl-gpg LD50:2500 mg/kg FRPPAO 25,721,70

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Human No Adequate Data IMEMDT 19,47,79; Animal No Adequate Data IMEMDT 19,47,79.

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Moderately toxic by ingestion. Questionable carcinogen with no adequate data. When heated to decomposition it emits acrid smoke and fumes.

**ADV950 CAS: 9007-16-3 HR: 2**  
**ACRYLIC ACID, POLYMER with SUCROSEPOLY ALLYL ETHER**

**SYNS:** CARBOMER 934 □ CARBOPOL 934 □ SUCROSE, POLYALLYL ETHER, POLYMER with ACRYLIC ACID

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:4100 mg/kg JACTDZ 1(2),109,82  
 orl-mus LD50:4550 mg/kg JACTDZ 1(2),109,82  
 orl-gpg LD50:2500 mg/kg GRCSB\* GC-36,54,60

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

**SAFETY PROFILE:** Moderately toxic by ingestion. See also ETHERS and POLYMERS. When heated to decomposition it emits acrid smoke and fumes.

**ADW100 CAS: 25916-47-6 HR: 2**  
**ACRYLIC ACID, POLYMER, ZINC SALT**

mf:  $(C_3H_4O_2)_x \cdot xZn$

**SYNS:** 2-PROPENOIC ACID, HOMOPOLYMER, ZINC SALT □ ZINC POLYACRYLATE □ ZINC POLYCARBOXYLATE

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

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also ZINC COMPOUNDS. When heated to decomposition it emits toxic fumes of  $ZnO$ , acrid fumes, and  $CO$ .

**ADW750 CAS: 71073-91-1 HR: 3**  
**ACRYLIC ACID, TELOMER with TRICHLORO ACETIC ACID**

mf:  $C_2HCl_3O_2 \cdot 3/2 C_3H_4O_2$  mw: 265.49

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:2750 mg/kg EJMCA5 14,119,79  
 ipr-mus LD50:300 mg/kg EJMCA5 14,119,79

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of  $Cl^-$ .

**ADX000 CAS: 3076-04-8 HR: 2**  
**ACRYLIC ACID TRIDECYL ESTER**

mf:  $C_{16}H_{30}O_2$  mw: 254.46

**PROP:** Low odor acrylate.

**SYNS:** 2-PROPENOIC ACID TRIDECYL ESTER □ TRIDECYL ACRYLATE

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H open SEV AIHAAP 23,95,62  
 orl-rat LD50:44,700 mg/kg AIHAAP 23,95,62

skn-rbt LD50:6300 mg/kg AIHAAP 23,95,62

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**ADX250 HR: 3**  
**ACRYLOAMIDE**

mf:  $C_3H_7ClN_2$  mw: 106.57

**PROP:** An antibiotic produced by the strain *Streptomyces sp.* No. D274-2.

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:38 mg/kg 85ERAY 2,1158,78  
 scu-mus LD50:38 mg/kg 85ERAY 2,1158,78  
 ivn-mus LD50:44 mg/kg 85ERAY 2,1158,78

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

**ADX500 CAS: 107-13-1 HR: 3**  
**ACRYLONITRILE**

**DOT:** UN 1093

mf:  $C_3H_3N$  mw: 53.07

**PROP:** Colorless, mobile liquid; mild odor. Mp:  $-82^\circ$ , bp:  $77.3^\circ$ , fp:  $-83^\circ$ , flash p:  $30^\circ F$  (TCC), lel: 3.1%, uel: 17%, d: 0.806 @  $20^\circ/4^\circ$ , autoign temp:  $898^\circ F$ , vap press: 100 mm @  $22.8^\circ$ , vap d: 1.83, flash p: (of 5% aq soln)  $<50^\circ F$ . Sol in water. IDLH 85 ppm.

**SYNS:** ACITIT □ ACRYLONITRIL (GERMAN, DUTCH) □ ACRYLON □ ACRYLONITRILE, inhibited (DOT) □ ACRYLONITRILE MONOMER □ AKRYLONITRYL (POLISH) □ CARBACRYL □ CIANURO di VINILE (ITALIAN) □ CYANOETHYLENE □ CYANURE de VINYLE (FRENCH) □ ENT 54 □ FUMIGRAIN □ MILLER'S FUMIGRAIN □ NITRILE ACRILICO (ITALIAN) □ NITRILE ACRYLIQUE (FRENCH) □ PROPENENITRILE □ 2-PROPENENITRILE □ RCRA WASTE NUMBER U009 □ TL 314 □ VCN □ VENTOX □ VINYL CYANIDE □ VINYLKYANID

**TOXICITY DATA with REFERENCE:**

bfa-rat/sat 30 mg/kg TXCYAC 16,67,80  
 dns-rat:ivr 1 mmol/L PMRSDJ 5,371,85  
 slt-dmg-orl 1520  $\mu$ mol/L PMRSDJ 5,325,85  
 skn-hmn 500 mg nse INMEAF 17,199,48  
 skn-rbt 10 mg/24H open JIHTAB 30,63,48  
 skn-rbt 500 mg MLD SCCUR\* -,1,61  
 eye-rbt 20 mg SEV JIHTAB 30,63,48  
 ihl-hmn TCLo:16 ppm/20M:EYE,PUL INMEAF 17,199,48  
 ihl-man LCLo:1 g/ $m^3$ /1H:CNS,GIT ZAARAM 16,1,66  
 skn-chd LDLo:2015 mg/kg:CNS,RSP,GIT DMWOAX 75,1087,50  
 orl-rat LD50:78 mg/kg JOHYAY 3,106,59  
 ihl-rat LC50:425 ppm/4H TXAPA9 29,81,74  
 skn-rat LD50:148 mg/kg GISAAA 41(10),103,76  
 ihl-mus LCLo:315 ppm/4H NTIS\*\* PB280-478  
 ipr-mus LD50:46 mg/kg TXAPA9 59,589,81  
 orl-mus LD50:27 mg/kg JHEMA2 3,106,59  
 scu-mus LD50:35 mg/kg JHEMA2 3,106,59  
 ihl-dog LCLo:110 ppm/4H JIHTAB 24,27,42

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,79,87; Human Limited Evidence IMEMDT 19,73,79; Animal Limited Evidence IMEMDT 19,73,79. Community Right-To-Know List. EPA Extremely Hazardous Substances List. Reported in EPA TSCA Inventory.

**OSHA PEL:** TWA 2 ppm; CL 10 ppm/15M; Cancer Hazard

**ACGIH TLV:** TWA 2 ppm (skin), Confirmed Animal Carcinogen.

**DFG MAK:** DFG TRK: Animal Carcinogen, Suspected Human Carcinogen

**NIOSH REL:** TWA 1 ppm; CL 10 ppm/15M

**DOT CLASSIFICATION:** 3; Label: Flammable Liquid, Poison

**SAFETY PROFILE:** Confirmed human carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by inhalation, ingestion, skin contact, and other routes. Human systemic effects by inhalation and skin contact: conjunctiva irritation, somnolence, general anesthesia, cyanosis, and diarrhea. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. Dangerous fire hazard when exposed to heat, flame, or oxidizers. Moderate explosion hazard when exposed to flame. Can react vigorously with oxidizing materials (see also CYANIDE).

Acrylonitrile closely resembles hydrocyanic acid in its toxic action. By inhibiting the respiratory enzymes of tissue, it renders the tissue cells incapable of oxygen absorption. Poisoning is acute; there is little evidence of cumulative action on repeated exposure. Exposure to low concentration is followed by flushing of the face and increased salivation; further exposure results in irritation of the eyes and nose, photophobia, deepened respiration. If exposure continues, shallow respiration, nausea, vomiting, weakness, an oppressive feeling in the chest, and occasionally headache and diarrhea are other complaints. Several cases of mild jaundice accompanied by mild anemia and leucocytosis have been reported. Urinalysis is generally negative, except for an increase in bile pigment. Serum and bile thiocyanates are raised. See also HYDROCYANIC ACID. Unstable and easily oxidized. Explosive polymerization may occur on storage with silver nitrate. Potentially explosive reactions with benzyltrimethyl ammonium hydroxide + pyrrole, tetrahydrocarbazole + benzyltrimethylammonium hydroxide. Violent reactions with strong acids (e.g., nitric or sulfuric), strong bases, azoisobutyronitrile, dibenzoyl peroxide, di-tert-butylperoxide, or bromine. Incompatible with  $\text{AgNO}_3$  and amines. To fight fire, use  $\text{CO}_2$ , dry chemical, or alcohol foam. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$  and  $\text{CN}^-$ . See also NITRILES and CYANIDE.

**ANALYTICAL METHOD:** For occupational chemical analysis use OSHA: #37 or NIOSH: Acrylonitrile, 1604.

#### ADX600

HR: D

#### ACRYLONITRILE COPOLYMERS

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

#### ADX740

CAS: 9003-56-9

HR: 2

#### ACRYLONITRILE, POLYMER with 1,3-BUTADIENE and STYRENE

mf:  $(\text{C}_8\text{H}_8 \cdot \text{C}_4\text{H}_6 \cdot \text{C}_3\text{H}_3\text{N})_x$

**SYNS:** ACRYLONITRILE-BUTADIENE-STYRENE COPOLYMER ☐ 2-PROPENENITRILE, POLYMER with 1,3-BUTADIENE and ETHENYLBENZENE (9CI)

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Human No Adequate Data IMEMDT 19,73,79; Animal No Adequate Data IMEMDT 19,73,79. Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Questionable carcinogen. When heated to decomposition it emits toxic vapors of  $\text{NO}_x$ .

#### ADX750

HR: 2

#### ACRYLONITRILE POLYMER with 1,3-BUTADIENE, and STYRENE, COMBUSTION PRODUCTS

mf:  $(\text{C}_3\text{H}_3\text{N})_x$

**SYNS:** ABS (pyrolysis products) ☐ ACELAN, combustion products ☐ ACRIBEL, combustion products ☐ ACRYL, combustion products ☐ ACRYLONITRILE-BUTADIENE-STYRENE (pyrolysis products) ☐ AKSA, combustion products ☐ ANILANA, combustion products ☐ BI-LOFT, combustion products ☐ BULANA, combustion products ☐ CASHMILON, combustion products ☐ CRUMERON, combustion products ☐ DOLAN, combustion products ☐ EXLAN, combustion products ☐ FINA, combustion products ☐ MALON, combustion products ☐ ORLON, combustion products ☐ POLYACRYLONITRILE ☐ 2-PROPENENITRILE HOMOPOLYMER (9CI) ☐ ZEFRAN, combustion products

#### TOXICITY DATA with REFERENCE:

ihl-mus LC50:10 g/m<sup>3</sup>/30M PWPSA8 21,167,78

**SAFETY PROFILE:** Moderately to highly toxic by inhalation. Upon decomposition it emits toxic fumes of  $\text{NO}_x$  and  $\text{CN}^-$ .

#### ADY250

CAS: 9003-00-3

HR: 2

#### ACRYLONITRILE POLYMER with CHLOROETHYLENE

mf:  $(\text{C}_3\text{H}_3\text{N} \cdot \text{C}_2\text{H}_3\text{Cl})_n$

**SYNS:** ACROPOR ☐ ACROPOR AN ☐ ACROPOR AN 200 ☐ ACROPOR AN 450 ☐ ACROPORE ☐ DYNEL ☐ DYNEL NYGL ☐ KANEKALON ☐ 2-PROPENENITRILE, POLYMER with CHLOROETHYLENE (9CI) ☐ SKhN6 ☐ VINYON N

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

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data. See also NITRILES. When heated to decomposition it emits very toxic fumes of  $\text{Cl}^-$ ,  $\text{CN}^-$ , and  $\text{NO}_x$ .

#### ADY500

CAS: 9003-54-7

HR: 3

#### ACRYLONITRILE POLYMER with STYRENE

mf:  $(\text{C}_8\text{H}_8 \cdot \text{C}_3\text{H}_3\text{N})_x$

**SYNS:** ACRILAFIL ☐ ACRYLONITRILE-STYRENE COPOLYMER ☐ ACRYLONITRILE-STYRENE POLYMER ☐ ACRYLONITRILE-STYRENE RESIN ☐ ACS ☐ AS 61CL ☐ BAKELITE RMD 4511 ☐ CEVIAN HL ☐ DIALUX ☐ ESTYRENE AS ☐ KOSTIL ☐ LITAC ☐

LURAN □ LUSTRAN □ POLYSTYRENE-ACRYLONITRILE □ 2-PROPENENITRILE POLYMER with ETHENYLBENZENE □ REXENE 106 □ SANREX □ SN 20 □ STYRENE-ACRYLONITRILEPOLYMER □ STYRENE-ACRYLONITRILE COPOLYMER □ TERULAN KP 2540 □ TYRIL

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1800 mg/kg CEHYAN 25,22,80  
orl-mus LD50:1000 mg/kg CEHYAN 25,22,80

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Human No Adequate Data IMEMDT 19,73,79; Animal No Adequate Data IMEMDT 19,73,79. Reported in EPA TSCA Inventory. Cyanide and its compounds are on the Community Right-To-Know List.

**SAFETY PROFILE:** Moderately to highly toxic by ingestion. Questionable carcinogen. See also NITRILES. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and CN<sup>-</sup>.

**ADY750 CAS: 4836-08-2 HR: 2**  
**2-ACRYLOXYETHYLDIMETHYLSULFONIUM METHYL SULFATE**

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1870 mg/kg AIHAAP 23,95,62  
skn-rbt LD50:2000 mg/kg AIHAAP 23,95,62

**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. See also SULFATES. When heated to decomposition it emits toxic fumes of SO<sub>x</sub>.

**ADZ000 CAS: 814-68-6 HR: 3**  
**ACRYLOYL CHLORIDE**

mf: C<sub>3</sub>H<sub>3</sub>ClO mw: 90.51

**PROP:** Bp: 75°

**SYNS:** ACRYLIC ACID CHLORIDE □ ACRYLYL CHLORIDE □ 2-PROPENOYL CHLORIDE

**TOXICITY DATA with REFERENCE:**

ihl-rat LCLo:25 ppm/4H BJIMAG 27,1,70  
ihl-mus LC50:92 mg/m<sup>3</sup>/2H 85GMAT -,17,82  
ivn-mus LD50:180 mg/kg CSLNX\* NX#03367

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

**SAFETY PROFILE:** Poison by inhalation and intravenous routes. When heated to decomposition it emits toxic fumes of Cl<sup>-</sup>.

**ADZ125 CAS: 37239-28-4 HR: D**  
**ACTIHAEMYL**

**SYN:** SOLCOSERYL

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:197 g/kg JOPHBO 5,209,76

**CONSENSUS REPORTS:** EPA Genetic Toxicology Program.

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

**AEA000 HR: 3**  
**ACTINIC RADIATION**

**SAFETY PROFILE:** Outdoor workers, such as fishermen, sailors, soldiers, and farmers, show a high incidence of skin cancer. The commonest acute manifestation of actinic radiation effects on skin is sunburn.

**AEA109 CAS: 24397-89-5 HR: 3**  
**ACTINOBOLIN**

mf: C<sub>13</sub>H<sub>20</sub>N<sub>2</sub>O<sub>6</sub> mw: 300.31

**PROP:** Amorphous, fluffy, very hygroscopic powder. Amphoteric. Freely sol in water or alc; mod sol in methanol and ethanol. Unstable in basic solutions.

**SYNS:** 4-(2-AMINOPROPIONAMIDO)-3,4,4a,5,6,7-HEXAHYDRO-5,6,8-TRIHYDROXY-3-METHYLISOCOUMARIN □ NSC-31083

**TOXICITY DATA with REFERENCE:**

pic-esc 240 mg/L ZAPOAK 8,139,68  
ipr-mus LD50:2844 mg/kg NCISP\* JAN86  
scu-mus LD50:1828 mg/kg NCISP\* JAN86  
ivn-mus LD50:6250 µg/kg JANTAJ 32,1069,79  
unr-mus LDLo:2000 mg/kg 85ERAY 2,1368,78

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by other routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. An antimicrobial agent and experimental cariostat.

**AEA250 CAS: 1338-58-5 HR: 3**  
**ACTINOCHAN**

**SYNS:** NSC-53396 □ NSC-A15920

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:200 mg/kg ARZNAD 17,693,67  
ivn-mus LDLo:17 mg/kg ARZNAD 17,693,67

**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes.

**AEA500 CAS: 1402-38-6 HR: 3**  
**ACTINOMYCIN**

**SYNS:** AURANTIN □ ONCOSTATIN

**TOXICITY DATA with REFERENCE:**

oms-omi 1250 µg/L SOGEBZ 4,100,68  
cyt-hmn:lym 200 µg/L/2H CCPHDZ 3,143,79  
orl-rat LDLo:1 mg/kg JPETAB 74,25,42  
ipr-rat LDLo:1 mg/kg JPETAB 74,25,42  
scu-rat LDLo:1 mg/kg JPETAB 74,25,42  
ivn-rat LDLo:1 mg/kg JPETAB 74,25,42  
orl-mus LDLo:10 mg/kg JPETAB 74,25,42  
ipr-mus LDLo:1 mg/kg TDKNAF 14,60,55  
scu-mus LDLo:250 µg/kg JPETAB 74,25,42  
ivn-mus LDLo:250 µg/kg JPETAB 74,25,42  
orl-rbt LDLo:1 mg/kg JPETAB 74,25,42  
ipr-rbt LDLo:1 mg/kg JPETAB 74,25,42  
scu-rbt LDLo:1 mg/kg JPETAB 74,25,42  
ivn-rbt LDLo:1 mg/kg JPETAB 74,25,42

**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, subcutaneous and intravenous routes. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported.

**AEA625 CAS: 85086-83-5 HR: 3**  
**ACTINOMYCIN 23-21**  
**SYN:** SINOACTINOMYCIN

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:9400  $\mu\text{g/kg}$  YHTPAD 19,283,84  
 ipr-mus LD50:515  $\mu\text{g/kg}$  YHTPAD 19,283,84  
 ivn-mus LD50:1070  $\mu\text{g/kg}$  YHTPAD 19,283,84  
 ivn-dog LD50:500  $\mu\text{g/kg}$  YHTPAD 19,283,84

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes.

**AEA750 CAS: 8052-16-2 HR: 3**  
**ACTINOMYCIN C**

mf:  $\text{C}_{62}\text{H}_{89}\text{N}_{11}\text{O}_{17}$  mw: 1260.62

**PROP:** Red solid. Mp: 252° (decomp).

**SYNS:** ACTINOCHRYSIN  $\square$  CACTINOMYCIN  $\square$  DACTINOMYCIN (10%), ACTINOMYCIN C2 (45%), and ACTINOMYCIN C3 (45%) mixture  $\square$  HBF 386  $\square$  NSC-18268  $\square$  SANDAMYCIN

**TOXICITY DATA with REFERENCE:**

pic-esc 120 mg/L ZAPOAK 8,139,68  
 slt-dmg-orl 5 ppm MUREAV 173,197,86  
 dni-hmn:oth 475  $\mu\text{g/L}$  26QZAP 2,395,72  
 oms-hmn:oth 47  $\mu\text{g/L}$  26QZAP 2,395,72  
 dni-hmn:oth 475  $\mu\text{g/L}$  26QZAP 2,395,72  
 oms-hmn:47  $\mu\text{g/L}$  26QZAP 2,395,72  
 ivn-rat LD50:100 mg/kg ARZNAD 20,146,170  
 par-rat LD50:100 mg/kg RRCRBU 52,76,75  
 ipr-mus LD50:1110  $\mu\text{g/kg}$  AEPPAE 230,559,57  
 ivn-mus LD50:1 mg/kg 85GDA2 4(2),53,80

**SAFETY PROFILE:** Deadly poison by intravenous, parenteral, intraperitoneal, and possibly other routes. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ . An antibiotic.

**AEB000 CAS: 50-76-0 HR: 3**  
**ACTINOMYCIN D**

mf:  $\text{C}_{62}\text{H}_{86}\text{N}_{12}\text{O}_{16}$  mw: 1255.60

**PROP:** Red rhomboids +  $3\text{H}_2\text{O}$  (ethanol). Mp: 246–247°.

**SYNS:** ACT  $\square$  ACTINOMYCINDIOIC D ACID, DILACTONE  $\square$  ACTINOMYCIN I  $\square$  AD  $\square$  COSMEGEN  $\square$  DACTINOMYCIN  $\square$  DILACTONE ACTINOMYCINDIOIC D ACID  $\square$  HBF 386  $\square$  LYOVAC COSMEGEN  $\square$  MERACTIONOMYCIN  $\square$  NCI-C04682  $\square$  NSC-3053  $\square$  ONCOSTATIN K

**TOXICITY DATA with REFERENCE:**

dnd-hmn:hla 400  $\mu\text{g/L/15M}$  ECREAL 103,175,76  
 cyt-hmn:lym 200  $\mu\text{g/L/2H}$  CCPHDZ 3,143,79  
 ivn-hmn TDLo:40  $\mu\text{g/kg/4D-I:SKN}$  NEJMAG 281,1094,69  
 orl-rat LD50:7200  $\mu\text{g/kg}$  ANYAA9 89,348,60  
 ipr-rat LD50:100  $\mu\text{g/kg}$  AOGLAR 23,219,76  
 ivn-rat LD50:460  $\mu\text{g/kg}$  ANYAA9 89,348,60  
 scu-rat LD50:800  $\mu\text{g/kg}$  ANYAA9 89,348,60  
 ivn-rat LD50:460  $\mu\text{g/kg}$  ANYAA9 89,348,60  
 orl-mus LD50:13 mg/kg ANYAA9 89,348,60  
 ipr-mus LD50:750  $\mu\text{g/kg}$  CTRRDO 61,103,77

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,80,87; NCI Carcinogenesis Studies (ipr); Clear Evidence: rat RRCRBU 52,1,75; No Evidence: mouse RRCRBU 52,1,75

**SAFETY PROFILE:** Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. An experimental

teratogen. Other experimental reproductive effects. Human systemic effects by intravenous and possibly other routes: dermatitis, bone marrow damage, and gastrointestinal effects. A human systemic skin irritant by intravenous route. Human mutation data reported. Questionable carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

**AEB500 CAS: 6980-13-8 HR: 3**  
**ACTINOMYCIN K**

mf:  $\text{C}_{11}\text{H}_{12}\text{ClN}_3\text{O}_4$  mw: 285.71

**SYNS:** 7-CHLORO-3- $\beta$ -d-RIBOFURANOSYL-3H-IMIDAZO(4,5-b)PYRIDINE  $\square$  KASUGAMYCIN  $\square$  KENGSHENGYMCIN

**TOXICITY DATA with REFERENCE:**

ivn-hmn TDLo:80  $\mu\text{g/kg/25D-I:BLD}$  XPHPAW 441,116,74  
 orl-rat LD50:22 g/kg 28ZEAL 5,136,76  
 orl-mus LD50:21 g/kg 28ZEAL 5,136,76  
 ipr-mus LD50:745  $\mu\text{g/kg}$  85ERAY 2,1268,78

**SAFETY PROFILE:** Poison by intraperitoneal route. Mildly toxic by ingestion. Human blood effects by intravenous route. When heated to decomposition it emits very toxic fumes of  $\text{Cl}^-$  and  $\text{NO}_x$ .

**AEB750 CAS: 102488-99-3 HR: 3**  
**ACTINOMYCIN L**

**SYN:** ACTINOMYCIN 2104L

**CONSENSUS REPORTS:** IARC Cancer Review: Animal Sufficient Evidence IMEMDT 10,29,76.

**SAFETY PROFILE:** Confirmed carcinogen with experimental neoplastigenic data.

**AEC000 CAS: 12623-78-8 HR: 3**  
**ACTINOMYCIN S**

**SYN:** ACTINOMYCIN 1048A

**CONSENSUS REPORTS:** IARC Cancer Review: Animal Limited Evidence IMEMDT 10,29,76; No Adequate Data IMEMDT 10,29,76.

**SAFETY PROFILE:** Suspected carcinogen with experimental neoplastigenic data.

**AEC175 CAS: 11097-67-9 HR: D**  
**ACTINOMYCIN S3**

**PROP:** Orange-red needles. Mp: 238–240°.

**TOXICITY DATA with REFERENCE:**

oms-rat-par 250  $\mu\text{g/kg}$  JJPHAM 33,129,83  
 dni-mus:ast 20  $\mu\text{mol/L}$  CPBTAL 17,105,69  
 dnd-mam:lym 100  $\mu\text{mol/L}$  CPBTAL 17,105,69

**SAFETY PROFILE:** Mutation data reported.

**AEC185 CAS: 18865-46-8 HR: D**  
**ACTINOMYCIN X0( $\beta$ )**

mf:  $\text{C}_{62}\text{H}_{86}\text{N}_{12}\text{O}_{17}$  mw: 1271.60

**SYNS:** ACTINOMYCIN D, 3<sup>A</sup>)-(4-HYDROXY-L-PROLINE)-  $\square$  3<sup>A</sup>)-(4-HYDROXY-L-PROLINE)ACTINOMYCIN D

**TOXICITY DATA with REFERENCE:**

dnr-esc 28800  $\mu\text{g/}$  MUREAV 391,33,1997

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AEC200 CAS: 1402-61-5 HR: 3  
ACTINOMYCIN X2**

mf: C<sub>61</sub>H<sub>89</sub>N<sub>12</sub>O<sub>17</sub> mw: 1262.62

**PROP:** Crystals from petroleum ether. Mp: 249.5–250.5°.

**SYNS:** ACTINOMYCIN BV □ ACTINOMYCIN DV □

ACTINOMYCIN J1 □ ACTINOMYCIN S3 □ ACTINOMYCIN-V

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:300 µg/kg JANTAJ 38,1625,85

scu-mus LD50:300 µg/kg 38KLAC -,427,77

ivn-mus LD50:1 mg/kg 85GDA2 4(2),48,80

**SAFETY PROFILE:** Poison by subcutaneous, intravenous, and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEC250 CAS: 59680-34-1 HR: 3  
ACTINOXANTHIN**

mf: C<sub>437</sub>H<sub>667</sub>N<sub>121</sub>O<sub>155</sub>S<sub>4</sub> mw: 10219.664

**PROP:** An antibiotic produced by the strain *Actinomyces globisporus*.

**SYN:** ACTINOXANTHINE

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:240 µg/kg 85ERAY 2,1414,78

scu-mus LD50:1800 µg/kg 85ERAY 2,1414,78

**SAFETY PROFILE:** Poison by intraperitoneal and subcutaneous routes. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub> and NO<sub>x</sub>.

**AEC300 CAS: 114949-22-3 HR: 2  
ACTIVIN**

**SYN:** IH636 GRAPE SEED PROANTHOCYANIDIN EXTRACT

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg MOD TXCYAC 148,187,2000

eye-rbt 85 mg MLD TXCYAC 148,187,2000

orl-rat LD50:>5 g/kg TXCYAC 148,187,2000

skn-rat LD50:>2 g/kg TXCYAC 148,187,2000

**SAFETY PROFILE:** Moderately toxic by ingestion and skin contact. A moderate skin and mild eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**AEC625 CAS: 58814-86-1 HR: 3  
ACULEACIN A**

mf: C<sub>50</sub>H<sub>81</sub>N<sub>7</sub>O<sub>16</sub> mw: 1036.38

**PROP:** Amorphous powder. Mp: 162–166°.

**TOXICITY DATA with REFERENCE:**

dni-omi 20 mg/L JANTAJ 35,210,82

ipr-mus LD50:600 mg/kg 85GDA2 4(1),361,80

ivn-mus LD50:350 mg/kg JANTAJ 30,297,77

ims-mus LD50:600 mg/kg USXXAM #3978210

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by other routes. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEC700 CAS: 59277-89-3 HR: 2**

**ACYCLOVIR**

mf: C<sub>8</sub>H<sub>11</sub>N<sub>5</sub>O<sub>3</sub> mw: 225.24

**PROP:** Crystals from ethanol. Mp: (decomp).

**SYNS:** ACICLOVIR □ ACYCLOGUANOSINE □ 2-AMINO-1,9-DIHYDRO-9-((2-HYDROXYETHOXY)METHYL)-6H-PURIN-6-ONE □ BW 248U □ 9-(2-HYDROXYTHEOXYMETHYL)GUANINE □

WELLCOME-248U □ ZOVIRAX

**TOXICITY DATA with REFERENCE:**

cyt-hmn:lym 250 mg/L/48H FAATDF 3,587,83

msc-mus:lym 400 mg/L/4H FAATDF 3,587,83

orl-wmn TDLo:100 mg/kg/5D-I:SKN BMJOAE 289,1424,84

orl-wmn TDLo:80 mg/kg/4D-I:CNS AIMEAS 111,187,89

ivn-man TDLo:134 µg/kg/1D-I:CNS LANCAO 2,385,85

ivn-wmn TDLo:101 mg/kg/2D-I:CNS AJMEAZ 94,212,93

ipr-rat LD50:860 mg/kg IYKEDH 16,866,85

scu-rat LD50:620 mg/kg IYKEDH 16,866,85

ivn-rat LD50:910 mg/kg IYKEDH 16,866,85

**SAFETY PROFILE:** Moderately toxic. Human systemic effects by ingestion or intravenous routes: allergic dermatitis, somnolence, and hallucinations. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEC725 CAS: 69657-51-8 HR: 2**

**ACYCLOVIR SODIUM SALT**

mf: C<sub>8</sub>H<sub>11</sub>N<sub>5</sub>O<sub>3</sub>•Na mw: 248.23

**SYNS:** ACYCLOGUANOSINE SODIUM (OBS.) □ 2-AMINO-1,9-DIHYDRO-9-((2-HYDROXYETHOXY)METHYL)-6H-PURIN-6-ONE MONOSODIUM SALT □ 1,9-DIHYDRO-2-AMINO-9-((2-HYDROXYETHOXY)METHYL)-6H-PURIN-6-ONE SODIUM SALT □ SODIUM ACYCLOVIR □ ZOVIRAX SODIUM

**TOXICITY DATA with REFERENCE:**

scu-rat TDLo:300 mg/kg (female 10D post):REP

ARTODN 62,8,88

scu-rat TDLo:300 mg/kg (female 10D post):TER

ARTODN 62,8,88

ivn-man TDLo:107 mg/kg/5D-I DICPBB 22,306,88

ivn-cld TDLo:248 mg/kg/80H-I:GIT DICPBB 20,371,86

ipr-rat LD50:1210 mg/kg FAATDF 3,573,83

scu-rat LD50:650 mg/kg FAATDF 3,573,83

ipr-mus LD50:999 mg/kg FAATDF 3,573,83

ivn-mus LD50:405 mg/kg FAATDF 3,573,83

**SAFETY PROFILE:** Moderately toxic by intraperitoneal and several other routes. Human systemic effects by intravenous route: nausea or vomiting. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and Na<sub>2</sub>O.

**AEC750 CAS: 21829-25-4 HR: 3**

**ADALAT**

mf: C<sub>17</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub> mw: 346.37

**PROP:** Yellow crystals. Mp: 172–174°. Sol in Me<sub>2</sub>CO, CHCl<sub>3</sub>.

**SYNS:** BAY 1040 □ BAY A 1040 □ CITILAT □ CORDIPIN □ 1,4-DIHYDRO-2,6-DIMETHYL-4-(2-NITROPHENYL)-3,5-PYRIDINEDICARBOXYLIC ACID DIMETHYL ESTER □ NIFEDIN

□ NIFEDIPINE □ NIFELAT □ 4-(2'-NITROPHENYL)-2,6-DIMETHYL-3,5-DICARBOMETHOXY-1,4-DIHYDROPYRIDINE □ OXCARD □ PROCARDIA

### TOXICITY DATA with REFERENCE:

orl-man TDLo:105 mg/kg/26W-I:PNS LANCAO 339,1382,92  
orl-wmn TDLo:2400 µg/kg/3D-I:CNS BMJOAE 304,1225,92  
orl-wmn TDLo:31 mg/kg/11W-I AHJOA2 108,611,84  
orl-wmn TDLo:800 µg/kg/1D-I:BLD,GIT PGMJAO 62,1029,86  
orl-hmn TDLo:143 µg/kg ARZNAD 35,518,85  
orl-wmn TDLo:600 µg/kg/45M-I:BPR,GIT AIMDAP 147,556,87  
orl-man TDLo:143 µg/kg/1D:BPR ARZNAD 22,380,72  
orl-cld TDLo:70 mg/kg:CVS,GLN PEDIAU 86,91,90  
orl-man TDLo:714 µg/kg:CVS AEMED3 22,196,93  
orl-rat LD50:1022 mg/kg ARZNAD 22,1,72  
ipr-rat LD50:230 mg/kg YKYUA6 28,1451,77  
orl-mus LD50:310 mg/kg JJPAZ 40,399,86  
ipr-mus LD50:185 mg/kg PCJOAU 16,817,82  
orl-rbt LD50:504 mg/kg ARZNAD 35,915,85

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. Human systemic effects by ingestion: decreased blood pressure, BP lowering, cardiomyopathy, changes in regional blood flow, hyperglycemia, nausea or vomiting, respiratory depression, toxic psychosis. An experimental teratogen. Experimental reproductive effects. See also ESTERS. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

### AED250 CAS: 665-66-7 HR: 3 1-ADAMANTANAMINE HYDROCHLORIDE

mf: C<sub>10</sub>H<sub>17</sub>N•ClH mw: 187.74

**PROP:** Crystals from EtOH/Et<sub>2</sub>O. Sol in water and ethanol; prac insol in Et<sub>2</sub>O.

**SYNS:** ADAMANTANAMINE HYDROCHLORIDE □ ADAMANTINE HYDROCHLORIDE □ ADAMANTYLAMINE HYDROCHLORIDE □ 1-ADAMANTYLAMINE HYDROCHLORIDE □ AMANTADINE HYDROCHLORIDE □ AMAZOLON □ AMINOADAMANTANE HYDROCHLORIDE □ 1-AMINOADAMANTENE HYDROCHLORIDE □ EXP 105-1 □ MANTADAN □ NSC-83653 □ SYMMETREL □ TRICYCLO-(3,3.1.1.(3,7))DECAN-1-AMINE, HYDROCHLORIDE (9CI) □ VIROFRAL

### TOXICITY DATA with REFERENCE:

orl-man TDLo:24 mg/kg/1D-I:CNS AEMED3 19,668,90  
orl-man LDLo:43 mg/kg CJPSDF 31,757,86  
orl-man TDLo:13 mg/kg/5D-I:CNS AJPSAO 143,1170,85  
orl-man LDLo:286 mg/kg:CNS AJPSAO 145,267,88  
orl-rat LD50:800 mg/kg IYKEDH 19,164,88  
ipr-rat LD50:150 mg/kg TXAPA9 15,642,69  
ivn-rat LD50:90 mg/kg IYKEDH 19,164,88  
orl-mus LD50:700 mg/kg TXAPA9 15,642,69  
ipr-mus LD50:198 mg/kg IYKEDH 19,164,88  
scu-mus LD50:290 mg/kg IYKEDH 19,164,88  
orl-gpg LD50:360 mg/kg TXAPA9 15,642,69

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Human poison by ingestion. Poison by ingestion, intraperitoneal, and intravenous routes. A human teratogen with developmental abnormalities of the circulatory system. Experimental reproductive effects. Human systemic effects by ingestion: distorted perceptions, euphoria, excitement, hallucinations. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and HCl.

### AED750 CAS: 54099-11-5 HR: 3 1-ADAMANTANEACETIC ACID-2-(DIETHYL AMINO)ETHYL ESTER, ETHYL IODIDE

mf: C<sub>20</sub>H<sub>36</sub>NO<sub>2</sub>•I mw: 449.47

### TOXICITY DATA with REFERENCE:

orl-mus LD50:600 mg/kg FRPSAX 32,129,77  
ipr-mus LD50:61 mg/kg FRPSAX 32,129,77

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. See also ESTERS and IODIDES. When heated to decomposition it emits very toxic fumes of I<sup>-</sup> and NO<sub>x</sub>.

### AEE000 CAS: 54099-12-6 HR: 3 1-ADAMANTANEACETIC ACID-3-(DIMETHYL AMINO)PROPYL ESTER, ETHYL IODIDE

mf: C<sub>19</sub>H<sub>36</sub>NO<sub>2</sub>•I mw: 437.46

### TOXICITY DATA with REFERENCE:

orl-mus LD50:450 mg/kg FRPSAX 32,129,77  
ipr-mus LD50:30 mg/kg FRPSAX 32,129,77

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. See also ESTERS and IODIDES. When heated to decomposition it emits very toxic fumes of I<sup>-</sup> and NO<sub>x</sub>.

### AEE100 CAS: 880-52-4 HR: 2 N-(1-ADAMANTYL)ACETAMIDE

mf: C<sub>12</sub>H<sub>19</sub>NO mw: 193.32

**PROP:** Powder.

**SYN:** ACETAMIDE, N-(1-ADAMANTYL)-

### TOXICITY DATA with REFERENCE:

ipr-mus LD50:520 mg/kg PCJOAU 14,185,80

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

### AEE250 CAS: 63869-14-7 HR: 3 S-((N-1-ADAMANTYLAMIDINO)METHYL) HYDROGEN THIOSULFATE, HYDRATE (4:1)

mf: C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>S<sub>2</sub>•1/4H<sub>2</sub>O mw: 288.76

### TOXICITY DATA with REFERENCE:

orl-mus LD50:280 mg/kg JMCMA 15,1313,72  
ipr-mus LD50:38 mg/kg JMCMA 15,1313,72

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. See also THIOSULFATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.

### AEE500 CAS: 63765-69-5 HR: 3

**1-(1-ADAMANTYLAMINO)-2,2,2-TRIFLUORO-1-(TRIFLUOROMETHYL) ETHANOLSESQUIHYDRATE**mf: C<sub>13</sub>H<sub>17</sub>F<sub>6</sub>NO•3/2H<sub>2</sub>O mw: 344.34**TOXICITY DATA with REFERENCE:**

orl-mus LD50:300 mg/kg JMCAR 13,1215,70

ipr-mus LD50:300 mg/kg JMCAR 13,1215,70

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of F<sup>-</sup> and NO<sub>x</sub>.**AEF000 CAS: 37033-23-1 HR: 3  
5-(1-ADAMANTYL)-2,4-DIAMINO-6-ETHYL PYRIMIDINE ETHYLSULFONATE**mf: C<sub>16</sub>H<sub>24</sub>N<sub>4</sub>•C<sub>2</sub>H<sub>6</sub>O<sub>3</sub>S mw: 382.58**SYN:** DAEP-ES**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:15 mg/kg JNCIAM 60,1029,78

ipr-mus LD50:30 mg/kg JNCIAM 60,1029,78

**SAFETY PROFILE:** Poison by intraperitoneal route. See also SULFONATES and AMINES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**AEF250 CAS: 35507-78-9 HR: 3  
5-(1-ADAMANTYL)-2,4-DIAMINO-6-METHYL PYRIMIDINE ETHYLSULFONATE**mf: C<sub>15</sub>H<sub>22</sub>N<sub>4</sub>•C<sub>2</sub>H<sub>6</sub>O<sub>3</sub>S mw: 368.55**SYN:** DAMP-ES**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:23 mg/kg JNCIAM 60,1029,78

ipr-mus LD50:40 mg/kg JNCIAM 60,1029,78

**SAFETY PROFILE:** Poison by intraperitoneal route. See also SULFONATES and AMINES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and SO<sub>x</sub>.**AEF500 CAS: 31635-40-2 HR: 3  
N-1-ADAMANTYL-N-(2-(DIMETHYLAMINO) ETHOXY)ACETAMIDE HYDROCHLORIDE**mf: C<sub>16</sub>H<sub>28</sub>N<sub>2</sub>O<sub>2</sub>•ClH mw: 316.92**SYN:** 1-

(DIMETHYLAMINOETHOXYACETAMIDO)ADAMANTANE HYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

orl-dog LD50:170 mg/kg ARZNAD 23,577,73

orl-rat LD50:630 mg/kg ARZNAD 23,577,73

ivn-mus LD50:71 mg/kg ARZNAD 23,577,73

**SAFETY PROFILE:** Poison by ingestion and intravenous route. See also AMINES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and HCl. An antiviral agent.**AEF600 CAS: 14039-08-8 HR: D  
3-(1-ADAMANTYL)-1-(2-FLUOROETHYL)-1-NITROSOUREA**mf: C<sub>13</sub>H<sub>20</sub>FN<sub>3</sub>O<sub>2</sub> mw: 269.36**SYNS:** NSC-93161 □ UREA, 1-(1-ADAMANTYL)-3-(2-FLUOROETHYL)-1-NITROSO- □ UREA, N-(2-FLUOROETHYL)-N-NITROSO-N'-TRICLYCLO(3.3.1.1<sup>3,7</sup>)DEC-1-YL-**TOXICITY DATA with REFERENCE:**

mic-sat 1 µLg/plate JNCIAM 60,1495,1978

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and F<sup>-</sup>.**AEG000 CAS: 40284-08-0 HR: 3  
N-(2-ADAMANTYL)-2-MERCAPTOACET-AMIDINE HYDROCHLORIDE**mf: C<sub>12</sub>H<sub>20</sub>N<sub>2</sub>S•ClH mw: 260.86**TOXICITY DATA with REFERENCE:**

orl-mus LD50:35 mg/kg JMCAR 15,1313,72

ipr-mus LD50:17 mg/kg JMCAR 15,1313,72

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.**AEG129 CAS: 69804-02-0 HR: 3  
S-(N-(1-ADAMANTYLMETHYLAMIDINO)- METHYL)PHOSPHOROTHIOATE MONOSODIUM SALT**mf: C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>PS•Na mw: 340.22**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:408 mg/kg PCJOAU 13,22,79

par-mus LD50:98 mg/kg PCJOAU 13,22,79

**SAFETY PROFILE:** Poison by parenteral and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, PO<sub>x</sub>, Na<sub>2</sub>O, and SO<sub>x</sub>.**AEG250 CAS: 22545-60-4 HR: 3  
N-(1-ADAMANTYLMETHYL)-2-MERCAPTO ACETAMIDINE HYDROCHLORIDE**mf: C<sub>13</sub>H<sub>22</sub>N<sub>2</sub>S•ClH mw: 274.89**TOXICITY DATA with REFERENCE:**

orl-mus LD50:65 mg/kg JMCAR 15,1313,72

ipr-mus LD50:22 mg/kg JMCAR 15,1313,72

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of HCl, SO<sub>x</sub>, and NO<sub>x</sub>.**AEG500 CAS: 40284-10-4 HR: 3  
N-(3-(1-ADAMANTYL)PROPYL)-2-MERCAPTO ACETAMIDINE HYDROCHLORIDE HYDRATE (10:10:3)**mf: C<sub>15</sub>H<sub>26</sub>N<sub>2</sub>S•ClH•3/10H<sub>2</sub>O mw: 308.35**TOXICITY DATA with REFERENCE:**

orl-mus LD50:350 mg/kg JMCAR 15,1313,72

ipr-mus LD50:25 mg/kg JMCAR 15,1313,72

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.**AEG625 CAS: 1225-60-1 HR: 3  
ADANTON HYDROCHLORIDE**mf: C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>S•ClH mw: 321.90**PROP:** Crystals from MeCN. Mp: 222–223°. Sol in water.**SYNS:** ANDANTOL □ D 201 HYDROCHLORIDE □ N-DIMETHYLAMINOISOPROPYLTHIOPHENYLPYRIDYLAMINE HYDROCHLORIDE □ 10-(2-DIMETHYLAMINO-2-

METHYLETHYL-10H-PYRIDO(3,2-b)(1,4)BENZOTHAZINE HYDROCHLORIDE □ 10-(2-DIMETHYLAMINOPROPYL)-1-AZAPHENOTHIAZINE HYDROCHLORIDE □ 10-(2-DIMETHYLAMINOPROPYL)-(1)-4-AZAPHENTHAZIN HYDROCHLORID (GERMAN) □ 10-(2-DIMETHYLAMINO PROPYL)-9-THIA-1,10-DIAZAANTHRACENE HYDROCHLORIDE □ ISOTHIPENDYL HYDROCHLORIDE □ NILERGEX HYDROCHLORIDE □ THERUHISTIN HYDROCHLORIDE □ UDANTOL HYDROCHLORIDE

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:1220 mg/kg NIIRDN 6,72,82  
orl-mus LD50:222 mg/kg ARZNAD 8,489,58  
ipr-mus LD50:65 mg/kg ARZNAD 18,435,68

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>, SO<sub>x</sub>, and HCl.

#### AEG750 CAS: 1229-29-4 HR: 3 ADAPIN

mf: C<sub>19</sub>H<sub>21</sub>NO•ClH mw: 315.87

**PROP:** Mp: 188–189°.

**SYNS:** CIDOXEPIN HYDROCHLORIDE □ CURATIN □ 11-DIMETHYLAMINO PROPYLIDENE-6H-DIBENZ(b,e)OXEPIN □ 11-(3-(DIMETHYLAMINO)PROPYLIDENE)-6,11-DIHYDRO DIBENZ(b,e)OXEPIN HYDROCHLORIDE □ N,N-DIMETHYL DIBENZ(b,e)OXEPIN-Δ<sup>11(6H,7)</sup>-PROPYLAMINE HYDROCHLORIDE □ DOXEPIN HYDROCHLORIDE □ NSC-108160 □ 1-PROPAN AMINE, 3-DIBENZ(b,e)OXEPIN-11(6H)-YLIDENE-N,N-DIMETHYL-, HYDROCHLORIDE □ SINEQUAN

#### TOXICITY DATA with REFERENCE:

orl-wmn TDLo:112 mg/kg/4W-I JCLPDE 44,106,83  
orl-hmn LDLo:90 mg/kg JATOD3 2,18,78  
orl-hmn TDLo:9300 µg/kg:CNS JAMAAP 237,2632,77  
orl-wmn TDLo:141 mg/kg/12W-I:EAR SMJOAV 76,1204,83  
orl-rat LD50:147 mg/kg 27ZQAG -,72,72  
ipr-rat LD50:84 mg/kg OYYAA2 6,889,72  
scu-rat LD50:155 mg/kg OYYAA2 6,889,72  
ivn-rat LD50:13 mg/kg 27ZQAG -,72,72  
orl-mus LD50:180 mg/kg OYYAA2 6,889,72  
ipr-mus LD50:79 mg/kg 27ZQAG -,72,72  
scu-mus LD50:160 mg/kg 27ZQAG -,72,72

**SAFETY PROFILE:** A human poison by ingestion. An experimental poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Human systemic effects by ingestion: hallucinations, distorted perceptions, muscle spasms and change in heart rate, and tinnitus. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl. A psychotherapeutic agent.

#### AEG875 CAS: 5118-29-6 HR: 3 ADAPTOL

mf: C<sub>21</sub>H<sub>25</sub>N mw: 291.47

**SYNS:** 3-(10,10-DIMETHYL(10H)-ANTHRACENYLIDENE)-N,N-DIMETHYL-1-PROPANAMINE (9CI) □ 9-(3-DIMETILAMINO-PROPYLIDEN)-10,10-DIMETIL-9,10-DIHDROANTHRACENE (ITALIAN) □ DIXERAN □ MELITRACEN □ MELITRACENE □ N 7001 □ N,N,10,10-TETRAMETHYL-Δ<sup>(9(10),7)</sup>-ANTHRACENE-PROPYLAMINE □ THYMEOL □ TRAUSABUM □ TRAUSABUN □ U-24973

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:170 mg/kg FRPPAO 25,519,70  
ipr-rat LD50:96 mg/kg FRPPAO 25,519,70  
orl-mus LD50:315 mg/kg FRPPAO 25,519,70  
ipr-mus LD50:131 mg/kg FRPPAO 25,519,70  
ivn-mus LD50:52 mg/kg FRPPAO 25,519,70

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### AEH000 CAS: 73-24-5 HR: 3 ADENINE

mf: C<sub>5</sub>H<sub>5</sub>N<sub>5</sub> mw: 135.15

**PROP:** Needles. Mp: 360–365° (anhyd) decomp.

**SYNS:** ADENINIMINE □ 6-AMINOPURINE □ 6-AMINO-1H-PURINE □ 6-AMINO-3H-PURINE □ 6-AMINO-9H-PURINE □ 1,6-DIHYDRO-6-IMINOPURINE □ 3,6-DIHYDRO-6-IMINOPURINE □ LEUCO-4 □ 1H-PURIN-6-AMINE □ USAF CB-18 □ VITAMIN B4

#### TOXICITY DATA with REFERENCE:

pic-esc 1 g/L ZAPOAK 12,583,72  
cyt-mus-ipr 10 mmol/L NULSAK 17,199,74  
orl-rat LD50:227 mg/kg TXAPAA 47,229,79  
ipr-rat LD50:198 mg/kg JPETAB 104,20,52  
orl-mus LD50:783 mg/kg DRUGAY 6,19,82  
ipr-mus LD50:100 mg/kg NTIS\*\* AD277-689  
scu-mus LDLo:1 g/kg ANYAA9 60,251,54

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### AEH100 CAS: 24356-66-9 HR: 1 ADENINE ARABINOSIDE

mf: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub>•H<sub>2</sub>O mw: 285.30

**SYNS:** ARA-A □ 9-β-d-

ARABINOFURANOSYLADENINEMONOHYDRATE □ 9-β-d-ARABINOFURANOSYL-9H-PURINE-6-AMINE MONOHYDRATE □ SPONGOADENOSINE □ VIDARABINE □ VIRA-A

#### TOXICITY DATA with REFERENCE:

orl-mus LD50:>7950 mg/kg AACHAX -,180,68  
ipr-mus LD50:4677 mg/kg AACHAX -,180,68

**SAFETY PROFILE:** Mildly toxic by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

#### AEH250 CAS: 700-02-7 HR: 2 ADENINE-1-N-OXIDE

mf: C<sub>5</sub>H<sub>5</sub>N<sub>5</sub>O mw: 151.15

**PROP:** Crystals from water. Mp: 297–307° decomp.

#### TOXICITY DATA with REFERENCE:

scu-rat TDLo:1300 mg/kg/26W-I:NEO CNREA8 30,184,70

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEH300 CAS: 90029-73-5 HR: D****ADENINE PROPENAL**mf: C<sub>8</sub>H<sub>7</sub>N<sub>3</sub>O mw: 189.18**SYN:** 2-PROPENAL, 3-(6-AMINO-9H-PURIN-9-YL)-**TOXICITY DATA with REFERENCE:**

add-ctl-oth 0.5 mmol/L/24H CRTOEC 13,1235,2000

mic-sat 0.1 µmol/plate/48H CRTOEC 13,1235,2000

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.**AEH500 CAS: 321-30-2 HR: 3****ADENINE SULFATE**mf: C<sub>5</sub>H<sub>5</sub>N<sub>3</sub>•1/2H<sub>2</sub>O<sub>4</sub>S mw: 821.71**SYNS:** ADENINSULFAT □ 1H-PURIN-6-AMINE, SULFATE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:200 mg/kg AIPATA 232,302,78

ipr-mus LD50:750 mg/kg TXAPA9 47,229,79

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intraperitoneal route. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.**AEH750 CAS: 58-61-7 HR: 2****ADENOSINE**mf: C<sub>10</sub>H<sub>13</sub>N<sub>5</sub>O<sub>4</sub> mw: 267.28**PROP:** Solid. Mp: 234–236°.**SYNS:** ADENINE RIBOSIDE □ ADENOSIN (GERMAN) □ β-ADENOSINE □ β-d-ADENOSINE □ 6-AMINO-9-β-d-RIBOFURANOSYL-9H-PURINE □ BONITON □ MYOCOL □ NUCLEOCARDYL □ 9-β-d-RIBOFURANOSIDOADENINE □ SANDESIN □ USAF CB-10**TOXICITY DATA with REFERENCE:**

pic-esc 1 g/L ZAPOAK 12,583,72

oms-hmn:oth 100 µmol/L JIDEAE 65,52,75

cyt-mus-ipr 20 mmol/L NULSAK 17,199,74

dnd-mam:lym 60 mmol/L PNASAE 48,686,62

ivn-wmn TDLo:360 µg/kg/1H-I: CVS AJEMEN 10,326,92

ivn-man TDLo:257 µg/kg: CVS,PUL AJEMEN 11,249,93

ivn-man TDLo:171 µg/kg:CNS AJEMEN 11,192,93

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

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Human systemic effects by intravenous route: coma, convulsions, cyanosis, fall in BP, pulse rate decrease, pulse rate increase. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**AEI000 CAS: 53-79-2 HR: 3****ADENOSINE-3'-(α-AMINO-p-METHOXYHYDROCINNAMAMIDO)-3'-DEOXY-N,N-DIMETHYL**mf: C<sub>22</sub>H<sub>29</sub>N<sub>7</sub>O<sub>5</sub> mw: 471.58**PROP:** Plates from 2-propanol. Mp: 175.5–177.0°.**SYNS:** ACHROMYCIN (PURINE DERIVATIVE) □ 3'-(l-α-AMINO-p-METHOXYHYDROCINNAMAMIDO)-3'-DEOXY-N,N-DIMETHYLADENOSINE □ (S)-3'-(2-AMINO-3-(4-METHOXYPHENYL)-1-OXOPROPYL)AMINO)-3'-DEOXY-N,N-

DIMETHYLADENOSINE □ CL 13,900 □ 6-DIMETHYLAMINO-9-(3'-(p-METHOXY-1-PHENYLALANYLAMINO)-β-d-RIBOFURANOSYL)-PURINE □ NSC-3055 □ PUROMYCIN □ STYLOMYCIN

**TOXICITY DATA with REFERENCE:**

dnr-esc 100 µg/disc CNREA8 34,1658,74

cyt-dmg:oth 100 mg/L CLDFAT 2,97,73

dni-oin:oth 100 mg/L IJEBAA 16,1027,78

dni-mus:lym 100 µmol/L PLMEAA 34,231,78

dni-mus:fbr 420 µmol/L JCLBA3 58,410,73

orl-mus LD50:20 mg/kg 85GDA2 5,302,81

ipr-mus LD50:25 mg/kg 85GDA2 5,302,81

ivn-mus LD50:15 mg/kg 85GDA2 5,302,81

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>. An antibiotic.**AEI250 CAS: 35788-21-7 HR: 3****ADENOSINE-5'-CARBOXAMIDE**mf: C<sub>10</sub>H<sub>12</sub>N<sub>6</sub>O<sub>4</sub> mw: 280.28**SYN:** β-d-1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXYRIBOFURANURONAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:50 mg/kg JMCMA 23,313,80

ipr-mus LD50:5 mg/kg JMCMA 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**AEI500 CAS: 35920-40-2 HR: 3****ADENOSINE-5'-(N-CYCLOBUTYL)CARBOXAMIDE**mf: C<sub>14</sub>H<sub>18</sub>N<sub>6</sub>O<sub>4</sub> mw: 334.38**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-N-CYCLOBUTYL-1-DEOXYRIBOFURANURONAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 mg/kg JMCMA 23,313,80

ipr-mus LD50:2 mg/kg JMCMA 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**AEI750 CAS: 35920-40-2 HR: 3**  
**ADENOSINE-5'-(N-CYCLOPENTYL)CARBOXAMIDE**mf: C<sub>15</sub>H<sub>20</sub>N<sub>6</sub>O<sub>4</sub> mw: 348.41**TOXICITY DATA with REFERENCE:**

orl-mus LD50:200 mg/kg JMCMA 23,313,80

ipr-mus LD50:200 mg/kg JMCMA 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.**AEJ000 CAS: 50908-62-8 HR: 3**  
**ADENOSINE-5'-(N-CYCLOPROPYL)CARBOXAMIDE**mf: C<sub>13</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub> mw: 320.35

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-N-CYCLOPROPYL-1-DEOXYRIBOFURANURONAMIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 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<sub>x</sub>.

**AEJ250 CAS: 72209-26-8 HR: 3**  
**ADENOSINE-5'-(N-CYCLOPROPYL)CARBOX AMIDE-N'-OXIDE**

mf: C<sub>13</sub>H<sub>16</sub>N<sub>6</sub>O<sub>5</sub> mw: 336.35

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-N-CYCLOPROPYL-1-DEOXYRIBOFURANURONAMIDE-N-OXIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 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<sub>x</sub>.

**AEJ500 CAS: 58048-25-2 HR: 3**  
**ADENOSINE-5'-(N-CYCLOPROPYLMETHYL) CARBOXAMIDE**

mf: C<sub>14</sub>H<sub>18</sub>N<sub>6</sub>O<sub>4</sub> mw: 334.38

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-N-CYCLOPROPYLMETHYL-1-DEOXYRIBOFURANURONAMIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:200 mg/kg JMCMAR 23,313,80

ipr-mus LD50:20 mg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEJ750 CAS: 35788-31-9 HR: 3**  
**ADENOSINE-5'-(N-(2-(DIMETHYLAMINO) ETHYL)) CARBOXAMIDE**

mf: C<sub>14</sub>H<sub>21</sub>N<sub>7</sub>O<sub>4</sub> mw: 351.42

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-N-(2-(DIMETHYLAMINO)-ETHYL-1-DEOXYRIBOFURANURONAMIDE)

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:500 mg/kg JMCMAR 23,313,80

ipr-mus LD50:20 mg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEK000 CAS: 39491-47-9 HR: 3**  
**ADENOSINE-5'-(N,N-DIMETHYL)CARBOX AMIDE HYDRATE**

mf: C<sub>12</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub>•H<sub>2</sub>O mw: 326.36

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N,N-DIMETHYLRIBOFURANURONAMIDE HYDRATE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1000 mg/kg JMCMAR 23,313,80

ipr-mus LD50:50 mg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEK100 CAS: 58-64-0 HR: 2**  
**ADENOSINE DIPHOSPHATE**

mf: C<sub>10</sub>H<sub>15</sub>N<sub>5</sub>O<sub>10</sub>P<sub>2</sub> mw: 427.24

**SYNS:** ADENOSINE 5'-DIPHOSPHATE □ ADENOSINE DIPHOSPHORIC ACID □ ADENOSINE 5'-DIPHOSPHORIC ACID □ ADENOSINE PYROPHOSPHATE □ ADENOSINE 5'-PYROPHOSPHATE □ ADENOSINE 5'-PYROPHOSPHORIC ACID □ ADENOSINE, 5'-(TRIHYDROGEN DIPHOSPHATE) (9CI) □ ADENOSINE, 5'-(TRIHYDROGEN PYROPHOSPHATE) □ 5'-ADENYLPHOSPHORIC ACID □ ADP □ 5'-ADP □ ADP (NUCLEOTIDE)

**TOXICITY DATA with REFERENCE:**

oth-hmn:oth 100 μmol/L JIDEAE 65,52,75

ipr-mus LD50:3333 mg/kg PCJOAU 20,160,86

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Human mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and PO<sub>x</sub>.

**AEK250 CAS: 35920-39-9 HR: 3**  
**ADENOSINE-5'-(N-ETHYL)CARBOXAMIDE HEMIHYDRATE**

mf: C<sub>12</sub>H<sub>16</sub>N<sub>6</sub>O<sub>4</sub>•1/2H<sub>2</sub>O mw: 317.35

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-ETHYLRIBOFURANURONAMIDE HEMIHYDRATE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 mg/kg JMCMAR 23,313,80

ipr-mus LD50:500 μg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEK500 CAS: 72209-27-9 HR: 3**  
**ADENOSINE-5'-(N-ETHYL)CARBOXAMIDE-N'-OXIDE**

mf: C<sub>12</sub>H<sub>16</sub>N<sub>6</sub>O<sub>5</sub> mw: 324.34

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-ETHYLRIBOFURANURONAMIDE-N-OXIDE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:20 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<sub>x</sub>.

**AEK750 CAS: 57872-78-3 HR: 3**  
**ADENOSINE-5'-(N-HEXYL)CARBOXAMIDE HEMIHYDRATE**

mf: C<sub>16</sub>H<sub>24</sub>N<sub>6</sub>O<sub>4</sub>•1/2H<sub>2</sub>O mw: 373.47

**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-HEXYLRIBOFURANURONAMIDE HEMIHYDRATE

**TOXICITY DATA with REFERENCE:**

orl-mus LD50:500 mg/kg JMCMAR 23,313,80

ipr-mus LD50:200 mg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEL000 CAS: 35788-28-4 HR: 3  
ADENOSINE-5'-(N-(2-HYDROXYETHYL))  
CARBOXAMIDE**mf:  $C_{12}H_{16}N_6O_5$  mw: 324.34**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-(2-HYDROXYETHYL)RIBOFURANURONAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 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  $NO_x$ .**AEL250 CAS: 35788-29-5 HR: 3  
ADENOSINE-5'-(N-ISOPROPYL)CARBOXAMIDE**mf:  $C_{13}H_{18}N_6O_4$  mw: 322.37**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-ISOPROPYL RIBOFURANURONAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:5 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  $NO_x$ .**AEL500 CAS: 54925-45-0 HR: 3  
ADENOSINE-5'-(N-METHOXY)CARBOXAMIDE  
HYDRATE**mf:  $C_{11}H_{14}N_6O_5 \cdot H_2O$  mw: 328.33**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-METHOXYRIBOFURANURONAMIDE HYDRATE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:50 mg/kg JMCMAR 23,313,80

ipr-mus LD50:20 mg/kg JMCMAR 23,313,80

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. When heated to decomposition it emits toxic fumes of  $NO_x$ .**AEL750 CAS: 35788-27-3 HR: 3  
ADENOSINE-5'-(N-METHYL)CARBOXAMIDE  
HEMIHYDRATE**mf:  $C_{11}H_{14}N_6O_4 \cdot 1/2H_2O$  mw: 303.32**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-METHYL RIBOFURANURONAMIDE HEMIHYDRATE**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  $NO_x$ .**AEL800 CAS: 67848-03-7 HR: D  
(ADENOSINE)PENTAAMMINERUTHENIUM(3+)  
TRIBROMIDE****SYN:** RUTHENIUM(3+), (ADENOSINE)PENTAAMMINE-, TRIBROMIDE**TOXICITY DATA with REFERENCE:**mic-sat 400  $\mu$ mol/L CBINA8 31,355,1980**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of  $NO_x$ , Rh, and  $Br^-$ .**AEM000 CAS: 57872-80-7 HR: 3  
ADENOSINE-5'-(N-PROPYL)CARBOXAMIDE**mf:  $C_{13}H_{18}N_6O_4$  mw: 322.37**SYN:** 1-(6-AMINO-9H-PURIN-9-YL)-1-DEOXY-N-PROPYL RIBOFURANURONAMIDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:200 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  $NO_x$ .**AEM100 CAS: 987-65-5 HR: 3  
ADENOSINE 5'-(TETRAHYDROGENTRI  
PHOSPHATE), DISODIUM SALT**mf:  $C_{10}H_{14}N_5O_{13}P_3 \cdot 2Na$  mw: 551.18**PROP:** White crystalline powder. Mp: 187–190° (decomposes). Sol in water and caustic acid.**SYNS:** ADENOSINE TRIPHOSPHATE DISODIUM  $\square$  ADETPHOS  $\square$  ATP DISODIUM  $\square$  ATP DISODIUM SALT  $\square$  DISODIUM ADENOSINE TRIPHOSPHATE  $\square$  DISODIUM ADENOSINE 5'-TRIPHOSPHATE  $\square$  DISODIUM ATP  $\square$  DISODIUM DIHYDROGEN ATP  $\square$  SODIUM ATP**TOXICITY DATA with REFERENCE:**

orl-rat LD50:&gt;2 g/kg DRUGAY 6,20,82

scu-rat LD50:&gt;2 g/kg DRUGAY 6,20,82

ivn-rat LD50:380 mg/kg DRUGAY 6,20,82

orl-mus LD50:&gt;2 g/kg DRUGAY 6,20,82

scu-mus LD50:&gt;2 g/kg DRUGAY 6,20,82

ivn-mus LD50:266 mg/kg DRUGAY 6,20,82

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. Slightly toxic by ingestion and subcutaneous route. When heated to decomposition it emits toxic vapors of  $NO_x$  and  $SO_x$ .**AEM250 CAS: 15237-44-2 HR: 2  
ADENOSINE-5'-(TETRAHYDROGEN  
TRIPHOSPHATE) SODIUM SALT**mf:  $C_{10}H_{16}N_5O_{13}P_3 \cdot 7Na$  mw: 668.15**SYNS:** ATP Na SALT  $\square$  NaATP  $\square$  SODIUM ATP  $\square$  SODIUM ADENOSINE TRIPHOSPHATE  $\square$  SODIUM ADENOSINE-5'-TRIPHOSPHATE**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:1379 mg/kg OYYAA2 4,689,70

ipr-mus LD50:1000 mg/kg ARZNAD 7,24,57

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of  $PO_x$ ,  $Na_2O$ , and  $NO_x$ .**AEM300 CAS: 5542-28-9 HR: D  
ADENOSINE 5'-TETRAPHOSPHATE, 5'-ESTER  
WITH ADENOSINE**

mf:  $C_{20}H_{28}N_{10}O_{19}P_4$  mw: 836.46

**SYNS:** ADENOSINE 5'-(PENTAHYDROGEN TETRAPHOSPHATE), 5'-5'-ESTER WITH ADENOSINE  $\square$  5',5''-DIADENOSINE TETRAPHOSPHATE  $\square$  DIADENOSINE 5',5''-P<sup>1</sup>,P<sup>2</sup>-TETRAPHOSPHATE

**TOXICITY DATA with REFERENCE:**

dns-uns-oth 5 mmol/L BBACAQ 866,222,1986

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and PO<sub>x</sub>.

**AEM310 CAS: 29908-03-0 HR: D  
S-ADENOXYL-I-METHIONINE**

mf:  $C_{15}H_{22}N_6O_5S$  mw: 398.49

**SYNS:** ACTIVE METHIONINE  $\square$  ADEMETHIONINE  $\square$  ADENOSINE, 5'-((1-3-AMINO-3-CARBOXYPROPYL) METHYLSULFONIO)-5'-DEOXY-, HYDROXIDE, INNER SALT  $\square$  ADENOSYLMETHIONINE  $\square$  I-S-ADENOSYLMETHIONINE  $\square$  S-ADENOSYLMETHIONINE  $\square$  I-METHIONINE, S-ADENOXYL-  $\square$  METHIONINYLADENYLATE  $\square$  SAME

**TOXICITY DATA with REFERENCE:**

dnd-unr-lym 9  $\mu$ mol/L CRNGDP 3,349,1982

**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic vapors of NO<sub>x</sub> and SO<sub>x</sub>.

**AEM500 CAS: 35170-28-6 HR: 2  
5'-ADENYLIC ACID POTASSIUM SALT**

mf:  $C_{10}H_{14}N_5O_7P \cdot K$  mw: 386.36

**SYNS:** ADENOSINE-5'-MONOPHOSPHATE POTASSIUM SALT  $\square$  ADENOSINE-5'-MONOPHOSPHORIC ACID POTASSIUM SALT  $\square$  ADENOSINE-5'-PHOSPHATE POTASSIUM SALT  $\square$  ADENOSINE-5'-PHOSPHORIC ACID POTASSIUM SALT  $\square$  5'-AMP POTASSIUM SALT

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:11,250 mg/kg OYYAA2 4,689,70

ipr-rat LD50:1310 mg/kg OYYAA2 4,689,70

scu-rat LD50:1493 mg/kg OYYAA2 4,689,70

orl-mus LD50:13,791 mg/kg OYYAA2 4,689,70

ipr-mus LD50:1955 mg/kg OYYAA2 4,689,70

scu-mus LD50:1937 mg/kg OYYAA2 4,689,70

ivn-mus LD50:536 mg/kg OYYAA2 4,689,70

**SAFETY PROFILE:** Moderately toxic by intraperitoneal, subcutaneous, and intravenous routes. Mildly toxic by ingestion. See also PHOSPHATES. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, K<sub>2</sub>O, and PO<sub>x</sub>.

**AEM750 CAS: 13474-03-8 HR: 2  
5'-ADENYLIC ACID, SODIUM SALT**

mf:  $C_{10}H_{14}N_5O_7P \cdot 7Na$  mw: 508.19

**SYNS:** ADENOSINE 5'-(DIHYDROGEN PHOSPHATE), SODIUM SALT  $\square$  ADENOSINE 5'-MONOPHOSPHATE SODIUM SALT  $\square$  AMP SODIUM SALT  $\square$  5'-AMP SODIUM SALT  $\square$  NaAMP  $\square$  SODIUM ADENOSINE-5'-MONOPHOSPHATE  $\square$  SODIUM AMP

**TOXICITY DATA with REFERENCE:**

ipr-rat LD50:2049 mg/kg OYYAA2 4,689,70

ipr-mus LD50:2000 mg/kg ARZNAD 7,24,57

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub>, Na<sub>2</sub>O and PO<sub>x</sub>.

**AEM800 CAS: 14259-51-9 HR: 3  
ADIGOSIDE**

mf:  $C_{35}H_{54}O_9$  mw: 618.89

**SYN:** CARD-20(22)-ENOLIDE, 3-((2,6-DIDEOXY-3-o-METHYL- $\beta$ -d-LYXO-HEXOPYRANOSYL)OXY)-14-HYDROXY-16-(3-METHYL-1-OXOBUTOXY)-, (3- $\beta$ ,5- $\beta$ ,16- $\beta$ )-

**TOXICITY DATA with REFERENCE:**

ivn-cat LD :>11,300  $\mu$ g/kg JMCAR 13,1029,1970

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

**AEN000 CAS: 628-94-4 HR: 2  
ADIPAMIDE**

mf:  $C_6H_{12}N_2O_2$  mw: 144.20

**PROP:** Crystals. Mp: 220°. Sol in alc.

**SYNS:** ADIPIC ACID DIAMIDE  $\square$  ADIPIC DIAMIDE  $\square$  1,4-BUTANEDICARBOXAMIDE  $\square$  HEXANEDIAMIDE (9CI)  $\square$  NCI-C02095

**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:1270 mg/kg:CAR JEPTDQ 3(5-6),149,80

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

orl-mus LD50:6000 mg/kg BIJOAK 34,1196,40

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by ingestion. Questionable carcinogen with experimental carcinogenic data. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEN250 CAS: 124-04-9 HR: 3  
ADIPIIC ACID**

mf:  $C_6H_{10}O_4$  mw: 146.16

**PROP:** White monoclinic prisms. Mp: 152°, flash p: 385°F (CC), d: 1.360 @ 25°/4°, vap press: 1 mm @ 159.5°, vap d: 5.04, autoign temp: 788°F, bp: 337.5°. Very sol in alc. Sol in acetone, water = 1.4% @ 15°; 0.6% @ 15° in ether.

**SYNS:** ACIFLOCTIN  $\square$  ACINETTEN  $\square$  ADILACTETTEN  $\square$  ADIPINIC ACID  $\square$  1,4-BUTANEDICARBOXYLIC ACID  $\square$  FEMA No. 2011  $\square$  1,6-HEXANEDIOIC ACID  $\square$  KYSELINA ADIPOVA (CZECH)  $\square$  MOLTEN ADIPIC ACID

**TOXICITY DATA with REFERENCE:**

eye-rbt 20 mg/24H SEV 28ZPAK -,51,72

orl-rat LD50:>11 g/kg GISAAA 48(9),72,83

ipr-rat LD50:275 mg/kg JAFCAU 5,759,57

orl-mus LD50:1900 mg/kg JAFCAU 5,759,57

ipr-mus LD50:275 mg/kg TXAPA9 32,566,75

ivn-mus LD50:680 mg/kg JAFCAU 5,759,57

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**ACGIH TLV:** TWA 5 mg/<sup>3</sup>

**SAFETY PROFILE:** Poison by intraperitoneal route. Moderately toxic by other routes. A severe eye irritant. Combustible when exposed to heat or flame; can react with

oxidizing materials. When heated to decomposition it emits acrid smoke and fumes.

**AEN750 CAS: 1985-84-8 HR: 1**  
**ADIPIIC ACID BIS(3,4-EPOXY-6-METHYLCYCLO**  
**HEXYLMETHYL) ESTER**

mf:  $C_{22}H_{34}O_6$  mw: 394.56

**SYNS:** BIS(3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL)ADIPATE □ DI(3,4-EPOXY-6-METHYLCYCLOHEXYLMETHYL)ADIPATE □ HEXANEDIOIC ACID BIS(4-METHYL-7-OXABICYCLO(4.1.0)HEPT-3-YL)METHYL ESTER

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg open MLD UCDS\*\* 9/23/70

orl-rat LD50:4290 mg/kg AIHAAP 24,305,63

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AEO000 CAS: 103-23-1 HR: 2**  
**ADIPIIC ACID BIS(2-ETHYLHEXYL) ESTER**

mf:  $C_{22}H_{42}O_4$  mw: 370.64

**PROP:** Liquid. D: 0.927 @ 20°/4°, bp: 181–185° @ 2 mm.

**SYNS:** ADIPOL 2EH □ BEHA □ BIS(2-ETHYLHEXYL) ADIPATE □ BISOFLEX DOA □ DEHA □ DI-2-ETHYLHEXYL ADIPATE □ DIOCTYL ADIPATE □ DOA □ EFFEMOLL DOA □ ERGOPLAST AdDO □ FLEXOL A 26 □ HEXANEDIOIC ACID, BIS(2-ETHYLHEXYL) ESTER □ HEXANEDIOIC ACID, DIOCTYL ESTER □ KODAFLEX DOA □ MONOPLEX DOA □ NCI-C54386 □ OCTYL ADIPATE □ PLASTOMOLL DOA □ PX-238 □ REOMOL DOA □ RUCOFLEX PLASTICIZER DOA □ SICOL 250 □ TRUFLEX DOA □ VESTINOL OA □ WICKENOL 158 □ WITAMOL 320

**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg open AMIHC 4,119,51

skn-rbt 500 mg open MLD UCDS\*\* 1/12/72

pic-esc 25 µg/well MUREAV 260,349,91

dlt-mus-ipr 1000 mg/kg TXAPA9 32,566,75

orl-mus TDLo:1038 g/kg/2Y-C:CAR NTPTR\* NTP-TR-212,82

orl-rat LD50:9110 mg/kg AMIHC 4,119,51

ivn-rat LD50:900 mg/kg MRLR\*\* No. 256,54

orl-mus LD50:15 g/kg JACTDZ 3(3),101,84

ivn-rbt LD50:540 mg/kg MRLR\*\* #256,54

**CONSENSUS REPORTS:** IARC Cancer Review: Group 3 IMEMDT 7,56,87; Animal Limited Evidence IMEMDT 29,257,82. NTP Carcinogenesis Bioassay (feed); Clear Evidence: mouse NTPTR\* NTP-TR-212,82; No Evidence: rat NTPTR\* NTP-TR-212,82. Community Right-To-Know List. Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intravenous route. Mildly toxic by ingestion. Experimental reproductive effects. Mutation data reported. An eye and skin irritant. Questionable carcinogen with experimental carcinogenic data. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEO250 CAS: 63905-29-3 HR: 2**  
**ADIPIIC ACID-3-CYCLOHEXENYLMETHANOL**  
**DIESTER**

mf:  $C_{20}H_{30}O_4$  mw: 334.50

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:3730 mg/kg TXAPA9 28,313,74

skn-rbt LD50:7070 mg/kg TXAPA9 28,313,74

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AEO500 CAS: 2998-04-1 HR: 3**  
**ADIPIIC ACID DIALLYL ESTER**

mf:  $C_{12}H_{18}O_4$  mw: 226.30

**SYNS:** ALLYL ADIPATE □ HEXANEDIOIC ACID-DI-2-PROPENYL ESTER

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:420 mg/kg SCCUR\* -,3,61

orl-mus LD50:180 mg/kg SCCUR\* -,3,61

skn-rbt LDLo:1 g/kg SCCUR\* -,3,61

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

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by skin contact. See also ALLYL COMPOUNDS and ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEO750 CAS: 105-99-7 HR: 2**  
**ADIPIIC ACID DIBUTYL ESTER**

mf:  $C_{14}H_{26}O_4$  mw: 258.40

**PROP:** Clear liquid. Mp: -20°, bp: 149°, d: 0.960. Flash Pt.: 155°. Insol in water.

**SYNS:** BUTYL ADIPATE □ DIBUTYL ADIPATE □ DI-N-BUTYL ADIPATE □ DIBUTYL ADIPINATE □ DIBUTYL HEXANEDIOATE □ EXPERIMENTAL TICK REPELLENT 3 □ HEXANEDIOIC ACID-DIBUTYL ESTER

**TOXICITY DATA with REFERENCE:**

skn-rbt 10 mg/24H MLD AMIHC 4,119,51

eye-rbt 500 mg AMIHC 4,119,51

orl-rat LD50:12,900 mg/kg 28ZEAL 5,72,76

ipr-rat LD50:5244 mg/kg JPMSAE 62,1596,73

orl-rat LD50:12,900 mg/kg 28ZEAL 5,72,76

ihl-rat LC:>17 mg/m<sup>3</sup>/4H GISAAA 55(6),86,90

ipr-rat LD50:5244 µL/kg JPMSAE 62,1596,73

orl-mus LD50:16,890 mg/kg GISAAA 55(6),86,90

skn-rbt LD50:20,000 mg/kg AMIHC 4,119,51

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mildly toxic by several routes. An experimental teratogen. Skin and eye irritant. See also ESTERS. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEP000 HR: 1**  
**ADIPIIC ACID DIDECYL ESTER (mixed isomers)**

mf:  $C_{26}H_{50}O_4$  mw: 426.76

**TOXICITY DATA with REFERENCE:**

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

orl-rat LD50:21 g/kg AIHAAP 23,95,62

skn-rbt LD50:8410 mg/kg AIHAAP 23,95,62

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

**AEP250 CAS: 7790-07-0 HR: 2**  
**ADIPIC ACID-(DI-2-(2-ETHYLBUTOXY)ETHYL) ESTER**

mf: C<sub>22</sub>H<sub>42</sub>O<sub>6</sub> mw: 402.64

**SYN:** DI-2-(2-ETHYLBUTOXY)ETHYL ADIPATE

**TOXICITY DATA with REFERENCE:**

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

eye-rbt 500 mg open AMIHBC 10,61,54

orl-rat LD50:3250 mg/kg AMIHBC 10,61,54

skn-rbt LD50:4240 mg/kg AMIHBC 10,61,54

**SAFETY PROFILE:** Moderately toxic by ingestion. Mildly toxic by skin contact. Skin and eye irritant. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEP500 CAS: 10022-60-3 HR: 2**  
**ADIPIC ACID DI(2-ETHYLBUTYL) ESTER**

mf: C<sub>18</sub>H<sub>34</sub>O<sub>4</sub> mw: 314.52

**SYN:** DI(2-ETHYLBUTYL) ADIPATE

**TOXICITY DATA with REFERENCE:**

eye-rbt 500 mg open AMIHBC 10,61,54

orl-rat LD50:5620 mg/kg AMIHBC 10,61,54

skn-rbt LD50:17 g/kg AMIHBC 10,61,54

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

**AEP750 CAS: 141-28-6 HR: 2**  
**ADIPIC ACID DIETHYL ESTER**

mf: C<sub>10</sub>H<sub>18</sub>O<sub>4</sub> mw: 202.28

**PROP:** Clear liquid. Mp: -20–18°, bp: 250–252°, d: 1.01

**SYNS:** DIETHYL ADIPATE □ DIETHYL HEXANEDIOATE □

ETHYL ADIPATE □ ETHYL-Δ-CARBOETHOXYVALERATE

**TOXICITY DATA with REFERENCE:**

dlt-mus-ipr 1100 mg/kg TXAPA9 32,566,75

ipr-mus LD50:2190 mg/kg TXAPA9 32,566,75

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Experimental reproductive effects. Mutation data reported. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEQ000 CAS: 110-32-7 HR: 1**  
**ADIPIC ACID, DI(2-HEXYLOXYETHYL) ESTER**

mf: C<sub>22</sub>H<sub>42</sub>O<sub>6</sub> mw: 402.64

**SYNS:** BIS(2-(HEXYLOXY)ETHYL)ADIPATE □

DIHEXYLOXYETHYL ADIPATE □ DI-(2-(2-HEXYLOXY)

ETHYL)ESTER KYSELINYL ADIPOVE □ HEXANEDIOIC ACID,

BIS(2-(HEXYLOXY)ETHYL)ESTER (9CI)

**TOXICITY DATA with REFERENCE:**

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

skn-rbt 500 mg/24H MLD 85JCAE -,717,86

eye-rbt 500 mg open AMIHBC 10,61,54

eye-rbt 500 mg/24H MLD 85JCAE -,717,86

orl-rat LD50:4290 mg/kg AMIHBC 10,61,54

skn-rbt LD50:12,310 µL/kg AMIHBC 10,61,54

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mildly toxic by intraperitoneal and skin contact routes. A skin and eye irritant. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEQ250 CAS: 1071-93-8 HR: 2**  
**ADIPIC ACID DIHYDRAZIDE**

mf: C<sub>6</sub>H<sub>14</sub>N<sub>4</sub>O<sub>2</sub> mw: 174.24

**PROP:** Slightly yellow crystalline powder. Mp: 175–178°.

**SYNS:** ADIPIC DIHYDRAZIDE □ HEXANEDIOIC ACID DIHYDRAZIDE

**TOXICITY DATA with REFERENCE:**

par-mus LDLo:4000 mg/kg CBCCT\* 7,685,55

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Moderately toxic by parenteral route. When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEQ500 CAS: 6624-70-0 HR: 2**  
**ADIPIC ACID DIISOPENTYL ESTER**

mf: C<sub>16</sub>H<sub>30</sub>O<sub>4</sub> mw: 286.46

**SYNS:** BIS(3-METHYLBUTYL) ADIPATE □ DIISOAMYL ADIPATE □ DI(3-METHYLBUTYL)ADIPATE □ HEXANEDIOIC ACID, BIS(3-METHYLBUTYL) ESTER

**TOXICITY DATA with REFERENCE:**

orl-gpg LD50:25 g/kg GWXXBX #2703360

ivn-rat LD50:640 mg/kg MRLR\*\* No. 256,54

ivn-rbt LD50:640 mg/kg MRLR\*\* No. 256,54

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

**AEQ750 CAS: 6900-06-7 HR: 3**  
**ADIPIC ACID DI-2-PROPYNYL ESTER**

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:200 mg/kg AIHAAP 23,95,62

skn-rbt LD50:440 mg/kg AIHAAP 23,95,62

**SAFETY PROFILE:** Poison by ingestion. Moderately toxic by skin contact. See also ESTERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AER000 HR: 2**  
**ADIPIC ACID, UREA mixed with CARBOXY METHYLCELLULOSE ACIDS**

**PROP:** Consists of 97.3% urea, 0.6% adipic acid, and 2.1% carboxymethylcellulose acids (ANYAA9 75,543,59).

**TOXICITY DATA with REFERENCE:**

ivg-mus TDLo:91 g/kg/76W-I:ETA ANYAA9 75,543,59

**SAFETY PROFILE:** Questionable carcinogen with experimental tumorigenic data.

**AER250 CAS: 111-69-3 HR: 3**

### ADIPONITRILE

**DOT:** UN 2205

mf:  $C_6H_8N_2$  mw: 108.16

**PROP:** Water-white liquid; practically odorless. Mp: 2.3°, bp: 295°, flash p: 199.4°F (OC), d: 0.965 @ 20°/4°, vap d: 3.73. Sol in EtOH,  $CHCl_3$ ; insol in  $H_2O$ ,  $Et_2O$ ,  $CS_2$ .

**SYNS:** ADIPIC ACID DINITRILE □ ADIPIC ACID NITRILE □ ADIPODINITRILE □ 1,4-DICYANOBUTANE □ HEXANEDINITRILE □ HEXANEDIOIC ACID DINITRILE □ NITRILE ADIPICO (ITALIAN) □ TETRAMETHYLENE CYANIDE

### TOXICITY DATA with REFERENCE:

orl-rat LD50:155 mg/kg GISAAA 49(12),40,84

ihl-rat LC50:1710 mg/m<sup>3</sup>/4H TOXID9 1,76,81

orl-mus LD50:172 mg/kg ARTODN 57,88,85

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

orl-rbt LD50:22 mg/kg GISAAA 49(12),40,84

scu-gpg LD50:50 mg/kg MELAAD 46,221,55

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

**ACGIH TLV:** TWA 2 ppm (skin)

**NIOSH REL:** TWA 18 mg/m<sup>3</sup>

**DOT CLASSIFICATION:** 6.1; Label: KEEP AWAY FROM FOOD

**SAFETY PROFILE:** Poison by inhalation, ingestion, subcutaneous, and intraperitoneal routes. The nitrile group will behave as a cyanide when ingested or absorbed in the body. It produces disturbances of the respiration and circulation, irritation of the stomach and intestines, and loss of weight. Its low vapor pressure at room temperature makes exposure to harmful concentrations of its vapors unlikely if handled with reasonable care in well-ventilated areas. Flammable when exposed to heat or flame. When heated to decomposition it emits toxic fumes of  $CN^-$ . Can react with oxidizing materials. To fight fire, use foam,  $CO_2$ , dry chemical. See also HYDROCYANIC ACID and NITRILES.

**AER300 CAS: 550-49-2 HR: 3**

### d-ADLUMIDINE

mf:  $C_{20}H_{17}NO_6$  mw: 367.38

**SYNS:** ADLUMIDINE □ (+)-ADLUMIDINE □ FURO(3,4-E)-1,3-BENZODIOXOL-8(6H)-ONE, 6-(5,6,7,8-TETRAHYDRO-6-METHYL-1,3-DIOXOLO(4,5-G) ISOQUINOLIN-5-YL-, (S-(R\*,R\*))-

### TOXICITY DATA with REFERENCE:

ivn-mus LD50:37 mg/kg FEPPA7 5,163,1946

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

**AER500 CAS: 35108-88-4 HR: 3**

### ADOBIOL

mf:  $C_{18}H_{29}NO_4 \cdot ClH$  mw: 359.94

**PROP:** Mp: 151–154°.

**SYNS:** BUFETOLOL HYDROCHLORIDE □ 1-(tert-BUTYLAMINO)-3-(o-((TETRAHYDROFURFURYL)OXY)PHENOXY)-2-PROPANOL HYDROCHLORIDE

### TOXICITY DATA with REFERENCE:

orl-rat LD50:1088 mg/kg DRUGAY 6,681,82

scu-rat LD50:1814 mg/kg DRUGAY 6,681,82

ivn-rat LD50:59,400 µg/kg DRUGAY 6,681,82

orl-mus LD50:402 mg/kg DRUGAY 6,681,82

scu-mus LD50:501 mg/kg DRUGAY 6,681,82

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by ingestion and subcutaneous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of  $HCl$  and  $NO_x$ . An antiarrhythmic drug.

**AER666 CAS: 51460-26-5 HR: 1**

### ADONA TRIHYDRATE

mf:  $C_{10}H_{11}N_4O_5S \cdot Na \cdot 3H_2O$  mw: 376.36

**PROP:** Yellow-orange needles from aq methanol. Decomp 227–228°. Soluble in water.

**SYNS:** AC-17 TRIHYDRATE □ ADONA TRIHYDRATE □ ADRENOCHROME SULFONATE AC 17 TRIHYDRATE □ CARBAZOCHROME SODIUM SULFONATE TRIHYDRATE □ 1H-INDOLE-2-SULFONIC ACID, 5-((AMINOCARBONYL)HYDRAZONO)-2,3,5,6-TETRAHYDRO-1-METHYL-6-OXO-, MONOSODIUM SALT, TRIHYDRATE □ SODIUM 1-METHYL-5-SEMICARBAZONO-6-OXO-2,3,5,6-TETRAHYDROINDOLE-3-SULFONATE TRIHYDRATE

### TOXICITY DATA with REFERENCE:

orl-mus LD50:>10 g/kg DRUGAY 6,183,82

ivn-mus LD50:>600 mg/kg DRUGAY 6,183,82

orl-dog LD50:>50 g/kg DRUGAY 6,183,82

ivn-dog LD50:>600 mg/kg DRUGAY 6,183,82

**SAFETY PROFILE:** Very low toxicity by ingestion and intravenous routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits toxic fumes of  $SO_x$ ,  $NO_x$ , and  $Na_2O$ .

**AER750 CAS: 8002-01-5 HR: 3**

### ADONIDIN

### TOXICITY DATA with REFERENCE:

ivn-pgn LDLo:2829 µg/kg YHHPAL 10,561,63

ivn-cat LDLo:3 mg/kg 27ZWAY E.1,78

ivn-rbt LDLo:5 mg/kg 27ZWAY E.1,78

scu-frg LDLo:4 mg/kg 27ZWAY E.1,78

**SAFETY PROFILE:** Poison by intravenous and subcutaneous routes.

**AES000 CAS: 51-42-3 HR: 3**

### ADRENALIN BITARTRATE

mf:  $C_9H_{13}NO_3 \cdot C_4H_6O_6$  mw: 333.33

**PROP:** Liquid.

**SYNS:** ADRENALINE ACID TARTRATE □ (-)-ADRENALINE ACID TARTRATE □ ADRENALINE BITARTRATE □ (-)-ADRENALINE BITARTRATE □ 1-ADRENALINE BITARTRATE □ 1-ADRENALINE-d-BITARTRATE □ ADRENALINE HYDROGEN TARTRATE □ 1-ADRENALINE HYDROGEN TARTRATE □ (-)-ADRENALINE HYDROGEN TARTRATE □ ADRENALINE TARTRATE □ (-)-ADRENALINE TARTRATE □ 1-ADRENALINE

TARTRATE □ ASMATANE MIST □ (-)-3,4-DIHYDROXY- $\alpha$ -(((METHYLAMINO)METHYL)BENZYL) ALCOHOL (+)-TARTRATE (1:1) SALT □ EPINEPHRINE BITARTRATE □ (-)-EPINEPHRINE BITARTRATE □ L-EPINEPHRINE BITARTRATE □ EPINEPHRINE-d-BITARTRATE □ 1-EPINEPHRINE-d-BITARTRATE □ EPINEPHRINE HYDROGEN TARTRATE □ 1-EPINEPHRINE TARTRATE □ IOP □ LYOPHRIN □ MEDIHALER-EPI □ SUPRARENIN

#### TOXICITY DATA with REFERENCE:

dni-mus:oth 1  $\mu$ mol/L CNREA8 43,3514,83  
scu-rat LD50:8300  $\mu$ g/kg NIIRDN 6,122,82  
ivn-rat LD50:82  $\mu$ g/kg AIPTAK 137,155,62  
orl-mus LD50:4 mg/kg APTOA6 31,49,72  
ipr-mus LD50:7800  $\mu$ g/kg APTOA6 31,43,72  
scu-mus LD50:11,100  $\mu$ g/kg APTOA6 55,73,84  
ivn-mus LD50:1780  $\mu$ g/kg JPETAB 81,269,44

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ . See also VASOTONIN and other adrenalin compounds.

#### AES250 CAS: 150-05-0 HR: 3 d-ADRENALINE

mf:  $\text{C}_9\text{H}_{13}\text{NO}_3$  mw: 183.23

**PROP:** Light brown or nearly white crystals. Mp: 211–212°. Very sltly sol in water, alc, 1:1 chloroform, and ether.

**SYNS:** l-(+)-ADRENALINE □ d-EPINEPHRINE

#### TOXICITY DATA with REFERENCE:

scu-rat LDLo:80 mg/kg JPHYA7 38,259,09  
ivn-rat LD50:800  $\mu$ g/kg JPETAB 95,502,49  
scu-mus LDLo:4 mg/kg HBAMAK 4,1294,35  
ivn-mus LD50:38 mg/kg JPETAB 95,502,49  
scu-dog LDLo:5 mg/kg HBAMAK 4,1294,35  
ivn-dog LDLo:1 mg/kg HBAMAK 4,1294,35  
ivn-cat LDLo:500  $\mu$ g/kg HBAMAK 4,1294,35  
scu-rbt LDLo:10 mg/kg HBAMAK 4,1294,35  
ivn-rbt LDLo:50  $\mu$ g/kg HBAMAK 4,1294,35  
scu-gpg LDLo:1 mg/kg HBAMAK 4,1294,35  
scu-frg LDLo:5000 mg/kg HBAMAK 4,1294,35

**SAFETY PROFILE:** Poison by subcutaneous and intravenous routes. Can cause contact dermatitis. Usually the symptoms are of short duration and clear up spontaneously. Combustible when heated. Upon decomposition it emits toxic fumes of  $\text{NO}_x$ .

#### AES500 CAS: 55-31-2 HR: 3 1-ADRENALINE CHLORIDE

mf:  $\text{C}_9\text{H}_{13}\text{NO}_3 \cdot \text{ClH}$  mw: 219.69

**SYNS:** ADRENALIN CHLORIDE □ ADRENALIN HYDROCHLORIDE □ (-)-ADRENALINE HYDROCHLORIDE □ 1-ADRENALINE HYDROCHLORIDE □ 1,2-BENZENEDIOL, 4-(1-HYDROXY-2-(METHYLAMINO)ETHYL)-, HYDROCHLORIDE, (R)- (9CI) □ 1-1-(3,4-DIHYDROXYPHENYL)-2-METHYLAMINO-1-ETHANOL HYDROCHLORIDE □ EPINEPHRINE CHLORIDE □ 1-EPINEPHRINE CHLORIDE □ (-)-EPINEPHRINE HYDROCHLORIDE □ 1-EPINEPHRINE HYDROCHLORIDE □ GELATIN-EPINEPHRINE □ 1-METHYLAMINOETHANOL-CATHECHOL

HYDROCHLORIDE □ NCI-C55663 □ SUPRANEPHRIN SOLUTION □ SUPRARENIN HYDROCHLORIDE

#### TOXICITY DATA with REFERENCE:

orl-rat LD50:24 mg/kg AIPTAK 180,155,69  
scu-rat LD50:5 mg/kg AIPTAK 180,155,69  
ivn-rat LDLo:50  $\mu$ g/kg JPETAB 24,101,24  
orl-mus LDLo:50 mg/kg ARZNAD 13,51,63  
ipr-mus LD50:4664  $\mu$ g/kg JPETAB 90,110,47  
scu-mus LD50:1980  $\mu$ g/kg JPETAB 87,214,46  
ivn-mus LD50:140  $\mu$ g/kg EJPHAZ 9,289,70

#### CONSENSUS REPORTS:

Reported in NTP Carcinogenesis Studies (Inhalation); Inadequate Study: rat, mouse NTPTR\* NTP-TR-380,90.

**SAFETY PROFILE:** Poison by ingestion, intravenous, subcutaneous, and intraperitoneal routes. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of  $\text{Cl}^-$  and  $\text{NO}_x$ . See also VASOTONIN and other adrenalin compounds.

#### AES625 CAS: 329-63-5 HR: 3 di-ADRENALINE HYDROCHLORIDE

mf:  $\text{C}_9\text{H}_{13}\text{NO}_3 \cdot \text{ClH}$  mw: 219.69

**SYNS:** ( $\pm$ )-ADRENALINE HYDROCHLORIDE □ ( $\pm$ )-3,4-DIHYDROXY- $\alpha$ -((METHYLAMINO)METHYL)BENZYL ALCOHOL HYDROCHLORIDE □ ( $\pm$ )-EPINEPHRINE HYDROCHLORIDE □ di-EPINEPHRINE HYDROCHLORIDE

#### TOXICITY DATA with REFERENCE:

ipr-rat LD50:1250  $\mu$ g/kg YAKUD5 24,1705,82  
ivn-rat LD50:70  $\mu$ g/kg YAKUD5 24,1705,82  
orl-mus LD50:90 mg/kg YAKUD5 24,1705,82  
ipr-mus LD50:7800  $\mu$ g/kg JPETAB 92,369,48  
ivn-mus LDLo:5 mg/kg JPETAB 92,108,48

**CONSENSUS REPORTS:** Reported in EPA TSCA Chemical Inventory.

**SAFETY PROFILE:** Poison by ingestion, intravenous, and intraperitoneal routes. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$  and  $\text{HCl}$ .

#### AES639 CAS: 54-06-8 HR: 3 ADRENOCHROME

mf:  $\text{C}_9\text{H}_9\text{NO}_3$  mw: 179.19

**PROP:** Crystalline solid. Sol in water.

**SYNS:** ADRAXONE □ 2,3-DIHYDRO-3-HYDROXY-1-METHYL-1H-INDOLE-5,6-DIONE (9CI) □ 3-HYDROXY-1-METHYL-5,6-INDOLINEDIONE □ USAF UCTL-7

#### TOXICITY DATA with REFERENCE:

ipr-rat LD50:150 mg/kg AIPTAK 106,90,56  
ipr-mus LD50:100 mg/kg NTIS\*\* AD277-689  
ivn-mus LD50:128 mg/kg AIPTAK 106,90,56

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. When heated to decomposition it emits toxic fumes of  $\text{NO}_x$ .

#### AES650 CAS: 9002-60-2 HR: 1 ADRENOCORTICOTROPHIC HORMONE

**PROP:** White powder. Freely sol in water. Appreciably soluble in 60 to 70% alc or acetone. One U.S.P. unit, one

international unit, one Armour unit, or one potency unit denotes the same activity.

**SYNS:** ACETHROPAN □ ACORTAN □ ACORTO □ ACTH □ ACTHAR □ ACTON □ ACTONAR □ ADRENAL CORTEX HORMONE □ ADRENOCORTICOTROPHIN □ ADRENO CORTICOTROPIC HORMONE □ ADRENO CORTICOTROPIN □ ADRENOMONE □ ADRENOTROPHIN □ ALFATROFIN □ CIBACTHEN □ CORSTILINE □ CORTICOTROPHIN □ CORTICOTROPIN □ CORTICOTROPIN-LIKE SUBSTANCES □ CORTIPHYSON □ CORTROPHIN □ CORTROPHYSON □ DYNAMONE □ EXACTHIN □ ISLACTID □ PITUITARY GLAND ADRENO CORTICO-TROPIC HORMONE □ REACTHIN □ SOLACTHYL □ TUBEX

#### TOXICITY DATA with REFERENCE:

unr-inf TDLo:240 mg/kg/16W-I:SYS LANCAO 1,901,84

**SAFETY PROFILE:** Human systemic effects: kidney changes. An experimental teratogen. Other experimental reproductive effects.

#### AES750 CAS: 23214-92-8 HR: 3 ADRIAMYCIN

mf:  $C_{27}H_{29}NO_{11} \cdot ClH$  mw: 543.57

**PROP:** Isolated from cultures of *Streptomyces peucetius* var. *Caesius*.

**SYNS:** ADM □ ADRIAMYCIN-HCl □ ADRIAMYCIN SEMIQUINONE □ ADRIBLASTINA □ DOXORUBICIN □ DX □ F.I 106 □ 14-HYDROXYDAUNOMYCIN □ 14'-HYDROXYD AUNOMYCIN □ 14-HYDROXYDAUNORUBICINE □ KW-125 □ NCI-C01514 □ NSC-123127

#### TOXICITY DATA with REFERENCE:

mno-smc 184  $\mu$ mol/L MGGEAE 174,39,79

cyt-hmn:leu 20  $\mu$ g/L CNREA8 31,32,71

ivn-hmn TDLo:15 mg/kg/D:CVS,GIT,SKN CANCAR 34,518,74

ivn-hmn TDLo:380 mg/kg/31W:CVS,GIT,SKN CANCAR 34,518,74

ipr-rat LD50:16 mg/kg OYYAA2 6,1075,72

orl-mus LD50:570 mg/kg ANTBAL 28,298,83

ipr-mus LD50:10,700  $\mu$ g/kg HYDXET 20,303,89

scu-mus LD50:15,980  $\mu$ g/kg KSRNAM 7,1052,73

ivn-mus LD50:8950  $\mu$ g/kg KSRNAM 7,1052,73

ivn-dog LD50:2400  $\mu$ g/kg DCTODJ 6,21,83

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2A IMEMDT 7,82,87; Animal Sufficient Evidence IMEMDT 7,82,87; Human Inadequate Evidence IMEMDT 7,82,87.

**SAFETY PROFILE:** Confirmed carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. Poison by intraperitoneal, subcutaneous, parenteral, and intravenous routes. Human systemic effects by intravenous route: cardiac myopathy including infarction, nausea or vomiting, and effects on the hair. An experimental teratogen. Other experimental reproductive effects. Human mutation data reported. When heated to decomposition it emits very toxic fumes of  $NO_x$  and HCl.

#### AET250 CAS: 51898-39-6 HR: 3 ADRIAMYCIN-14-OCTANOATEHYDROCHLORIDE

mf:  $C_{35}H_{43}NO_{12}$  mw: 669.79

#### TOXICITY DATA with REFERENCE:

dnd-mam:lym 3490 nmol/L CBINA8 20,97,78

ivn-mus LD50:19 mg/kg 31TFAO 3,987,74

**SAFETY PROFILE:** Poison by intravenous route.

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

#### AET500 HR: 3 AEROMONAS HYDROPHILA A<sub>3</sub> ENDOTOXIN

**SYN:** ENDOTOXIN, AEROMONAS HYDROPHILA A<sub>3</sub>

#### TOXICITY DATA with REFERENCE:

ipr-mus LD50:42,950  $\mu$ g/kg CUMIDD 1,175,78

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

#### AET600 CAS: 116425-35-5 HR: 3 AERUGIDIOL

mf:  $C_{15}H_{22}O_3$  mw: 250.34

**SYN:** 6(1H)-AZULENONE, 2,3,3A,7,8,8A-HEXAHYDRO-1,3A-DIHYDROXY-1,4-DIMETHYL-7-(1-METHYLETHYLIDENE)-, (1S,3AR,8AR)-

#### TOXICITY DATA with REFERENCE:

orl-mus TDLo:50 mg/kg BIPBU\* 25,627,2002

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

#### AET630 CAS: 61740-00-9 HR: D AFLATOXICOL B

mf:  $C_{17}H_{14}O_6$  mw: 314.31

**SYNS:** AFLATOXICOL, UNNATURAL □ AFLATOXIN RO' □ CYCLOPENTA(C)FURO(3',2':4,5)FURO(2,3-H)(1)BENZOPYRAN-11(1H)-ONE, 2,3,6A,9A-TETRAHYDRO-1-HYDROXY-4-METHOXY-, (1R-(1- $\alpha$ ,6A- $\alpha$ ,9A- $\alpha$ )-

#### TOXICITY DATA with REFERENCE:

mic-sat 10  $\mu$ Lg/plate LIFSAK 41,1795,1987

mic-sat 10  $\mu$ Lg/plate RCOCB8 57,55,1987

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

#### AET750 CAS: 1402-68-2 HR: 3 AFLATOXIN

**PROP:** Colorless to pale yellow crystals.

#### TOXICITY DATA with REFERENCE:

mmt-rat-orl 8500  $\mu$ g/kg DCTODJ 10,291,87

dlt-mus-ipr 68 mg/kg NATUAS 219,385,68

orl-rat TDLo:2250  $\mu$ g/kg (10-21D preg):ETA,REP CNREA8 33,262,73

orl-hmn LDLo:229  $\mu$ g/kg/8W LANCAO 1,1061,75

orl-mky LD50:1750  $\mu$ g/kg FCTXAV 14,227,76

ims-mky LD50:2020 mg/kg FCTXAV 14,227,76

orl-qal LDLo:4 mg/kg BPOSA4 21,29,80

**CONSENSUS REPORTS:** NTP 10th Report on Carcinogens. IARC Cancer Review: Group 1 IMEMDT 7,83,87; Human Sufficient Evidence IMEMDT 7,83,87; Animal Sufficient Evidence IMEMDT 7,83,87

**SAFETY PROFILE:** Confirmed human carcinogen with experimental tumorigenic data. Human poison by ingestion. An experimental teratogen. Other experimental reproductive effects. Mutation data reported. See also various aflatoxins.

**AEU250 CAS: 1162-65-8 HR: 3**

### AFLATOXIN B1

mf:  $C_{17}H_{12}O_6$  mw: 312.29

**PROP:** A crystalline material. Mp: 268°.

**SYNS:** AFBI □ AFLATOXIN B

### TOXICITY DATA with REFERENCE:

pic-sat 1 µg/L ENMUDM 1,121,79  
 cyt-hmn:lym 19,200 nmol/L TOLED5 7,245,81  
 sce-hmn:lym 19,200 nmol/L TOLED5 7,245,81  
 mma-sat 10 ng/plate FCTOD7 22,355,84  
 ipr-rat TDLo:2 mg/kg (female 18-21D post):NEO,TER JJIND8 64,1349,80  
 ivn-rat TDLo:8 mg/kg (female 15D post):NEO,TER IARCCD 4,100,73  
 scu-mus TDLo:30 mg/kg (female 15-22D post):NEO,TER BEXBAN 82,1687,76  
 orl-rat LD50:4800 µg/kg CNREA8 27,2370,67  
 ipr-rat LD50:6 mg/kg TXAPA9 25,458,73  
 orl-mus LD50:9 mg/kg APPYAG 12,303,74  
 ipr-mus LD50:9500 µg/kg LSPPAT 13,1143,73  
 ipr-dog LDLo:1 mg/kg PAVEAC 3,331,66  
 orl-mky LD50:2200 µg/kg TXAPA9 19,169,71  
 orl-cat LD50:550 µg/kg CNREA8 29,236,69  
 orl-pig LD50:620 µg/kg APPYAG 12,303,74  
 orl-gpg LD50:2 mg/kg TXAPA9 19,169,71  
 ipr-gpg LD50:1400 µg/kg JPBA9 91,277,66  
 orl-ham LD50:10 mg/kg CNREA8 29,236,69  
 ipr-ham LD50:6 mg/kg ARPAAQ 83,53,67  
 orl-dck LD50:335 µg/kg PSEBAA 123,151,66  
 orl-dom LDLo:2 mg/kg NATUAS 225,1062,70

**CONSENSUS REPORTS:** IARC Cancer Review: Group 1 IMEMDT 7,83,87; Animal Sufficient Evidence IMEMDT 10,51,76; 1,145,72. EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Confirmed human carcinogen with experimental tumorigenic, neoplastigenic, and carcinogenic data. Acute poison by ingestion, intraperitoneal, and possibly other routes. Experimental teratogenic and reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke. See also various aflatoxins.

**AEU500 CAS: 58209-98-6 HR: 2**

### AFLATOXIN B1-2,3-DICHLORIDE

mf:  $C_{17}H_{12}Cl_2O_6$  mw: 383.19

**SYNS:** AFLATOXIN B1 DICHLORIDE □  
 CYCLOPENTA(c)FURO(3',2':4,5)FURO(2,3-h)(1)BENZOPYRAN-1,11-DIONE, 2,3,6a,8,9,9a-HEXAHYDRO-8,9-DICHLORO-4-METHOXY-, (6aS-(6a-α-8-β,9-α-9a-α))- □ 2,3-DICHLOROAFATOXIN B1

### TOXICITY DATA with REFERENCE:

dnd-hmn:fbr 4 µmol/L CBINA8 50,59,84  
 msc-hmn:fbr 4 nmol/L CBINA8 50,59,84  
 sln-dmg-par 200 nmol/L CNREA8 38,2608,78

**SAFETY PROFILE:** Questionable carcinogen with experimental neoplastigenic data. Human mutation data reported. When heated to decomposition it emits toxic fumes of  $Cl^-$ . See also various aflatoxins.

**AEU750 CAS: 7220-81-7 HR: 3**  
**AFLATOXIN B2**

mf:  $C_{17}H_{14}O_6$  mw: 314.31

**PROP:** Yellow crystals with blue fluorescence from MeOH.

**SYN:** DIHYDROAFATOXIN B1

### TOXICITY DATA with REFERENCE:

mma-sat 370 ng/plate MUREAV 130,79,84  
 dnd-rat-par 40 µg/kg/2D-C BBACA9 83,1354,78  
 sce-ham:lng 3100 µg/L CRNGDP 1,759,80  
 dnd-mam:lym 50 µmol/L CRNGDP 3,423,82  
 dns-rat:lvrl 10 µmol/L/1H CNREA8 37,1845,77  
 mma-ham:lng 83 µmol/L MUREAV 46,27,77  
 orl-dck LD50:1700 µg/kg NATUAS 200,1101,63

**CONSENSUS REPORTS:** IARC Cancer Review: Animal Sufficient Evidence IMEMDT 10,51,76; Animal Limited Evidence IMEMDT 1,145,72.

**SAFETY PROFILE:** Confirmed human carcinogen with experimental tumorigenic data. Poison by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes. See also various aflatoxins.

**AEU000 CAS: 1165-39-5 HR: 3**  
**AFLATOXIN G1**

mf:  $C_{17}H_{12}O_7$  mw: 328.29

**PROP:** Needles from MeOH exhibiting green fluorescence. Mp: 247–250°. Metabolite of *Aspergillus flavus link ex fries*.

### TOXICITY DATA with REFERENCE:

mma-sat 31 ng/plate MUREAV 130,79,84  
 cyt-mky:kdy 2 mg/L/2H-C JNCIAM 48,1647,72  
 ipr-rat LD50:14,900 µg/kg JPTLAS 102,209,70  
 orl-dck LD50:785 µg/kg PSEBAA 123,151,66

**CONSENSUS REPORTS:** IARC Cancer Review: Animal Sufficient Evidence IMEMDT 10,51,76.

**SAFETY PROFILE:** Confirmed human carcinogen with experimental carcinogenic and neoplastigenic data. Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also various aflatoxins.

**AEU250 HR: 3**  
**AFLATOXIN G1 mixed with AFLATOXIN B1**

**PROP:** Metabolites of *Aspergillus flavus link ex fries*, Aflatoxin G1, 56.4%; Alfatoxin B1, 37.7%.

**SAFETY PROFILE:** Confirmed human carcinogen with experimental carcinogenic, neoplastigenic, and tumorigenic data. See also various aflatoxins.

**AEU500 CAS: 7241-98-7 HR: 3**  
**AFLATOXIN G2**

mf:  $C_{17}H_{14}O_7$  mw: 330.31

**PROP:** Crystals with green fluorescence from ethanol. Mp: 237–240°.

**SYN:** DIHYDROAFLATOXIN G1

**TOXICITY DATA with REFERENCE:**

dns-rat:lvrl 10 µmol/L/1H CNREA8 37,1845,77

sce-ham:lng 3300 µg/L CRNGDP 1,759,80

orl-dck LD50:2450 µg/kg NATUAS 200,1101,63

**CONSENSUS REPORTS:** IARC Cancer Review:

Animal Inadequate Evidence IMEMDT 1,145,72. EPA

Genetic Toxicology Program.

**SAFETY PROFILE:** Suspected carcinogen. Acute poison by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also various aflatoxins.

**AEW000 CAS: 6795-23-9 HR: 3  
AFLATOXIN M1**

mf: C<sub>17</sub>H<sub>12</sub>O<sub>7</sub> mw: 328.29

**PROP:** Crystals from MeOH exhibiting blue-violet fluorescence. Mp: 299° (decomp).

**SYN:** 4-HYDROXYAFLATOXIN B1

**TOXICITY DATA with REFERENCE:**

dnd-rat-orl 3600 ng/kg CBINA8 32,249,80

cyt-rat-orl 1 mg/kg JNCIAM 47,585,71

mma-sat 200 ng/plate JEPTDQ 2,1099,79

dns-rat:lvrl 600 ng/plate TOXID9 1,42,81

orl-rat LDLo:1500 µg/kg JNCIAM 47,585,71

**CONSENSUS REPORTS:** IARC Cancer Review: Group 2B; Animal Sufficient Evidence IMEMDT 10,51,76; Animal Sufficient Evidence IMEMDT 56,245,93; Human Inadequate Evidence IMEMDT 56,245,93. EPA Genetic Toxicology Program.

**SAFETY PROFILE:** Confirmed carcinogen with experimental tumorigenic data. Poison by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also various aflatoxins.

**AEW500 CAS: 29611-03-8 HR: 2  
AFLATOXIN Ro**

mf: C<sub>17</sub>H<sub>14</sub>O<sub>6</sub> mw: 314.31

**PROP:** Crystals from C<sub>6</sub>H<sub>6</sub>/hexane. Mp: 224–226°.

**SYNS:** AFL □ AFLATOXICOL □ AFLATOXICOL NATURAL EPIMER

**TOXICITY DATA with REFERENCE:**

mma-sat 25 ng/plate PNASA6 73,2241,76

**SAFETY PROFILE:** Suspected carcinogen with experimental carcinogenic data. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also various aflatoxins.

**AEW625 CAS: 56287-74-2 HR: 3  
AFLOQUALONE**

mf: C<sub>16</sub>H<sub>14</sub>FN<sub>3</sub>O mw: 283.33

**PROP:** Pale yellow prisms from 2-propanol. Mp: 195–196°.

**SYNS:** 6-AMINO-2-(FLUOROMETHYL)-3-(2-METHYLPHENYL)-4(3H)-QUINAZOLINONE (9CI) □ 6-AMINO-2-FLUOROMETHYL-3-(6-TOLYL)-4(3H)-QUINAZOLINONE □ AROFT □ AROFUTO

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:249 mg/kg IYKEDH 14,297,83

ipr-rat LD50:385 mg/kg KSRNAM 17,991,83

scu-rat LD50:823 mg/kg KSRNAM 17,991,83

orl-mus LD50:397 mg/kg IYKEDH 14,297,83

ipr-mus LD50:272 mg/kg IYKEDH 14,297,83

scu-mus LD50:591 mg/kg IYKEDH 14,297,83

**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Moderately toxic by other routes. When heated to decomposition it emits toxic fumes of F<sup>−</sup> and NO<sub>x</sub>.

**AEW750 CAS: 47897-65-4 HR: 3  
AFRIDOL BLUE**

mf: C<sub>32</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>14</sub>S<sub>4</sub>•4Na mw: 1001.66

**SAFETY PROFILE:** An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits very toxic fumes of SO<sub>x</sub>, NO<sub>x</sub>, Na<sub>2</sub>O, and Cl<sup>−</sup>.

**AEX000 CAS: 2315-02-8 HR: 3  
AFRIN HYDROCHLORIDE**

mf: C<sub>16</sub>H<sub>24</sub>N<sub>2</sub>O•ClH mw: 296.88

**PROP:** Mp: 300–303° (decomp).

**SYNS:** AFRAZINE □ AFRIN □ 2-(4-tert-BUTYL-2,6-DIMETHYL-3-HYDROXYBENZYL)-2-IMIDAZOLIUM CHLORIDE □ 6-tert-BUTYL-3-(2-IMIDAZOLIN-2-YLMETHYL)-2,4-DIMETHYLPHENOL HYDROCHLORIDE □ (2,6-DIMETHYL-4-TERTIARYBUTYL-3-HYDROXYPHENYL)METHYLIMIDAZOLINE HYDROCHLORIDE □ DURATION □ H 990 □ ILIADIN □ NAFRINE □ OXYMETAZOLINE CHLORIDE □ OXYMETAZOLINE HYDROCHLORIDE □ SCH 9384

**TOXICITY DATA with REFERENCE:**

ipr-rat TDLo:1800 µg/kg (1-3D preg):REP IJMRAQ 67,478,78

orl-rat LD50:680 µg/kg ARZNAD 30,1760,80

scu-rat LD50:1630 µg/kg ARZNAD 11,1016,61

ivn-rat LD50:1070 µg/kg ARZNAD 11,1016,61

orl-mus LD50:4700 µg/kg OYYAA2 1,74,67

ipr-mus LD50:48 mg/kg FRPPAO 21,204,66

scu-mus LD50:34 mg/kg ARZNAD 11,1016,61

ivn-mus LD50:2700 µg/kg OYYAA2 1,74,67

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. Experimental reproductive effects. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and HCl. An adrenergic agent.

**AEX250 CAS: 9002-18-0 HR: 1  
AGAR**

**PROP:** Extracted from the red algae *Rhodophyceae*.

Unground: in thin, translucent, membranous strips; ground: pale buff powder. Sol in boiling water; insol in cold water and org solvs.

**SYNS:** AGAR-AGAR □ AGAR AGAR FLAKE □ AGAR-AGAR GUM □ BENGAL GELATIN □ BENGAL ISINGLASS □ CEYLON ISINGLASS □ CHINESE ISINGLASS □ DIGENEA SIMPLEX MUCILAGE □ GELOSE □ JAPAN AGAR □ JAPAN ISINGLASS □ LAYOR CARANG □ NCI-C50475

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:11 g/kg FDRLI\* 124,-,76  
 orl-mus LD50:16 g/kg FDRLI\* 124,-,76  
 orl-rbt LD50:5800 mg/kg FDRLI\* 124,-,76  
 orl-ham LD50:6100 mg/kg FDRLI\* 124,-,76

**CONSENSUS REPORTS:** NTP Carcinogenesis Bioassay (feed); No Evidence: mouse, rat NTPTR\* NTP-TR-230,82. Reported in EPA TSCA Inventory.

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

**AEX750 CAS: 39277-47-9 HR: 3**  
**AGENT ORANGE**

mf:  $C_{12}H_{14}Cl_2O_3 \cdot C_{12}H_{13}Cl_3O_3$  mw: 588.76

**SYNS:** 2,4-d,n-BUTYL ESTER mixed with 2,4,5-T,n-BUTYL ESTER (1:1) □ 2,4,5-T,n-BUTYL ESTER mixed with 2,4-d,n-BUTYL ESTER □ 2,4-DICHLOROPHENOXYACETIC ACID BUTYL ESTER and 2,4,5-TRICHLOROPHENOXYACETIC ACID (45.5%:48.2%)

**TOXICITY DATA with REFERENCE:**

orl-mus TDLo:1180 mg/kg (12-15D preg):TER AECTCV 6,33,77

**SAFETY PROFILE:** Contains toxic impurities. An experimental teratogen. See also ESTERS. When heated to decomposition it emits toxic fumes of  $Cl^-$ .

**AEX850 CAS: 644-06-4 HR: 2**  
**AGERATOCHROMENE**

mf:  $C_{13}H_{16}O_3$  mw: 220.29

**PROP:** Pale-yellow needles from MeOH or oil. Mp: 49–50°, bp: 145–150° at 4 mm.

**SYNS:** 2H-1-BENZOPYRAN, 6,7-DIMETHOXY-2,2-DIMETHYL- □ 6,7-DIMETHOXY-2,2-DIMETHYL-2H-BENZO(b)PYRAN □ PRECOCENE 2 □ PRECOCENE II

**TOXICITY DATA with REFERENCE:**

dnd-rat:lvr 25  $\mu$ mol/L CALEDQ 26,311,85

dns-rat:lvr 1  $\mu$ mol/L CALEDQ 26,311,85

ipr-mus TDLo:27,536  $\mu$ g/kg:CAR CNREA8 47,2275,87

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

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

**AEY000 CAS: 103-16-2 HR: 1**  
**AGERITE**

**PROP:** Solid. Mp: 39–39.5°.

mf:  $C_{13}H_{12}O_2$  mw: 200.25

**SYNS:** AGERITE ALBA □ ALBA-DOME □ BENOQUIN □ BENZOQUIN □ BENZYL HYDROQUINONE □ p-BENZYLOXY PHENOL □ DEPIGMAN □ HYDROQUINONE BENZYL ETHER □ HYDROQUINONE MONOBENZYL ETHER □ p-HYDROXY PHENYL BENZYL ETHER □ MONOBENZONE □ MONOBENZYL ETHER HYDROQUINONE □ MONOBENZYL HYDROQUINONE □ 4-(PHENYLMETHOXY)PHENOL □ PIGMEX

**TOXICITY DATA with REFERENCE:**

skn-gpg 5%/48H MLD JSCCA5 28,357,77

orl-mus TDLo:163 g/kg/78W-I:ETA NTIS\*\* PB223-159

scu-mus TDLo:1000 mg/kg:NEO NTIS\*\* PB223-159

ipr-rat LD50:4500 mg/kg MEIEDD 11,983,89

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.

**SAFETY PROFILE:** Mild acute toxicity by intraperitoneal route. A skin irritant. Questionable carcinogen with experimental neoplastigenic and tumorigenic data. See also ETHERS. When heated to decomposition it emits acrid smoke and irritating fumes.

**AEY125 HR: 3**  
**AGKISTRODON CONTORTRIX VENOM**

**SYN:** VENOM, SNAKE, AGKISTRODON CONTORTRIX

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:10,500  $\mu$ g/kg 14FHAR -,409,63

ivn-mus LD50:10,920  $\mu$ g/kg 14FHAR -,409,63

ipr-mam LD50:10,500  $\mu$ g/kg CLPTAT 8,849,67

ivn-mam LD50:10,920  $\mu$ g/kg CLPTAT 8,849,67

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes.

**AEY130 HR: 3**  
**AGKISTRODON PISCIVORUS VENOM**

**SYN:** VENOM, SNAKE, AGKISTRODON PISCIVORUS

**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:5110  $\mu$ g/kg 14FHAR -,409,63

scu-mus LD50:15 mg/kg JOIMA3 67,299,51

ivn-mus LDLo:2250  $\mu$ g/kg TOXIA6 3,187,66

ivn-dog LDLo:750  $\mu$ g/kg 19DDA6 1,269,67

ivn-rbt LD50:5 mg/kg PSEBAA 116,696,64

ipr-mam LD50:5110  $\mu$ g/kg CLPTAT 8,849,67

ivn-mam LD50:4 mg/kg CLPTAT 8,849,67

**SAFETY PROFILE:** Poison by subcutaneous, intravenous, and intraperitoneal routes.

**AEY135 HR: 3**  
**AGKISTRODON RHODOSTOMA VENOM**

**SYN:** VENOM, SNAKE, AGKISTRODON RHODOSTOMA

**TOXICITY DATA with REFERENCE:**

ivn-rat LDLo:300  $\mu$ g/kg JCINAO 45,1202,66

ipr-mus LD50:4977  $\mu$ g/kg TOXIA6 9,131,71

scu-mus LD50:16,100  $\mu$ g/kg 19DDA6 1,323,67

ivn-mus LD50:2820  $\mu$ g/kg TOXIA6 7,239,69

ivn-dog LD50:900  $\mu$ g/kg 19DDA6 1,323,67

ims-dog LD50:1900  $\mu$ g/kg 19DDA6 1,323,67

ivn-rbt LDLo:13  $\mu$ g/kg JCINAO 45,1202,66

ivn-mam LD50:6200  $\mu$ g/kg CLPTAT 8,849,67

**SAFETY PROFILE:** Poison by subcutaneous, intramuscular, intravenous, and intraperitoneal routes.

**AEY375 CAS: 548-42-5 HR: 3**  
**AGROCLAVINE**

mf:  $C_{16}H_{18}N_2$  mw: 238.36

**PROP:** Rods from ether; decomp 198–203°. Needles from acetone; decomp @ 205–206°. Mp: 208–209° (decomp). Freely sol in alc, chloroform, pyridine; sol in benzene, ether; very sltly sol in water.

**SYN:** 8,9-DIDEHYDRO-6,8-DIMETHYLERGOLINE

**TOXICITY DATA with REFERENCE:**

mno-sat 2  $\mu$ mol/plate CNREA8 47,1811,87

ipr-mus LD50:25 mg/kg ARZNAD 35,1760,85

ivn-mus LD50:25,500 µg/kg NYKZAU 58,386,62

**SAFETY PROFILE:** Poison by intraperitoneal route.

Experimental reproductive effects. Mutation data reported.

When heated to decomposition it emits toxic fumes of NO<sub>x</sub>.

**AEY400 CAS: 13118-10-0 HR: 3  
AHR 376**

mf: C<sub>18</sub>H<sub>25</sub>N<sub>3</sub>O<sub>5</sub>•ClH mw: 339.90

**SYNS:** α-CYCLOPENTYLMANDELIC ACID-1-METHYL-3-PYRROLIDINYL ESTER HYDROCHLORIDE □ 1-METHYL-3-PYRROLIDYL-α-PHENYLCYCLOPENTANEGLYCOLATE HYDROCHLORIDE

**TOXICITY DATA with REFERENCE:**

orl-hmn TDLo:14 µg/kg/D CPAJAK 11,5141,66

orl-mus LD50:500 mg/kg J MPCAS 2,523,60

ipr-mus LD50:250 mg/kg J MPCAS 2,523,60

**SAFETY PROFILE:** Poison by intraperitoneal route.

Moderately toxic by ingestion. Human systemic effects by ingestion: hallucinations, distorted perceptions, and toxic psychosis. When heated to decomposition it emits toxic fumes of NO<sub>x</sub> and HCl.

**AEY402 CAS: 108910-63-0 HR: 2  
AI3-36161**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg SEV NTIS\*\* AD-A173-373

eye-rbt 100 mg MOD NTIS\*\* AD-A173-373

orl-rat LD50:987 mg/kg NTIS\*\* AD-A173-373

ihl-rat LC :>10,810 mg/m<sup>3</sup>/8H NTIS\*\* AD-A173373

**SAFETY PROFILE:** Moderately toxic by ingestion. Low toxicity by inhalation. A severe skin and moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**AEY404 CAS: 108910-64-1 HR: 2  
AI3-36174**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg SEV NTIS\*\* AD-A173-453

eye-rbt 100 mg MOD NTIS\*\* AD-A173-453

orl-rat LDLo:5 g/kg NTIS\*\* AD-A173-453

ihl-rat LC :>13,970 mg/m<sup>3</sup>/8H NTIS\*\* AD-A173473

ipr-rat LDLo:1250 mg/kg NTIS\*\* AD-A173473

**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. Low toxicity by ingestion and inhalation. A severe skin and moderate eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**AEY406 CAS: 77251-49-1 HR: 2  
AI3-37135**

mf: C<sub>11</sub>H<sub>19</sub>NO mw: 181.31

**SYNS:** PYRIDINE, 1,2,3,6-TETRAHYDRO-1-(2-METHYL-1-OXOPENTYL)- □ 1,2,3,6-TETRAHYDRO-1-(2-METHYL-1-OXOPENTYL)PYRIDINE

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg MOD NTIS\*\* AD-A173-175

eye-rbt 100 mg/24H MLD NTIS\*\* AD-A087-648

orl-rat LDLo:2222 mg/kg NTIS\*\* AD-A173-175

ihl-rat LC :>3090 mg/m<sup>3</sup> NTIS\*\* AD-A173175

**SAFETY PROFILE:** Moderately toxic by ingestion. Low toxicity by inhalation. A moderate skin and mild eye irritant. When heated to decomposition it emits toxic vapors of NO<sub>x</sub>.

**AEY410 CAS: 92768-71-3 HR: 1  
AI3-38274**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS\*\* AD-A139-966

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

**AEY415 CAS: 92880-08-5 HR: 3  
AI3-38275**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:333 mg/kg NTIS\*\* AD-A139-967

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

**AEY420 CAS: 92768-72-4 HR: 1  
AI3-38276**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS\*\* AD-A139-966

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

**AEY425 CAS: 93195-54-1 HR: 2  
AI3-38282**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:987 mg/kg NTIS\*\* AD-A141-738

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

**AEY430 CAS: 92880-10-9 HR: 2  
AI3-38283**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:2222 mg/kg NTIS\*\* AD-A139-967

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

**AEY435 CAS: 91449-23-9 HR: 2  
AI3-38192A**

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>2871 mg/kg NTIS\*\* AD-A137-289

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

**AEY440 CAS: 91449-24-0 HR: 1  
AI3-38194A**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS\*\* AD-A137-289

orl-rat LD50:>6761 mg/kg NTIS\*\* AD-A137-289

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

**AFA000 CAS: 92768-74-6 HR: 2**

**AI3-38221A**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS\*\* AD-A139-905

orl-rat LDLo:2870 mg/kg NTIS\*\* AD-A139-905

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

**AFA100 CAS: 92228-68-7 HR: 1**

**AI3-38352A**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MLD NTIS\*\* AD-A138-879

orl-rat LDLo:5 g/kg NTIS\*\* AD-A138-879

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

**AFA110 CAS: 92228-69-8 HR: 2**

**AI3-38354A**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3333 mg/kg NTIS\*\* AD-A138-879

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

**AFA115 CAS: 92228-70-1 HR: 2**

**AI3-38355A**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3333 mg/kg NTIS\*\* AD-A138-879

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

**AFA120 CAS: 92228-71-2 HR: 2**

**AI3-38357A**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:2222 mg/kg NTIS\*\* AD-A138-879

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

**AFA125 CAS: 93195-55-2 HR: 2**

**AI3-38359A**

**TOXICITY DATA with REFERENCE:**

orl-rat LD :>3333 mg/kg NTIS\*\* AD-A141-738

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

**AFA130 CAS: 92228-72-3 HR: 2**

**AI3-38360A**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3333 mg/kg NTIS\*\* AD-A138-879

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

**AFA135 CAS: 92228-73-4 HR: 2**

**AI3-38361A**

**TOXICITY DATA with REFERENCE:**

orl-rat LDLo:3333 mg/kg NTIS\*\* AD-A138-879

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

**AFA140 CAS: 92228-74-5 HR: 1**

**AI3-38420B**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A138-596

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

**AFA145 CAS: 92228-75-6 HR: 1**

**AI3-38421B**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A138-596

**SAFETY PROFILE:** a skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.

**AFA150 CAS: 92228-76-7 HR: 1**

**AI3-38422B**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A138-596

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

**AFA155 CAS: 92228-77-8 HR: 1**

**AI3-38423B**

**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A138-596

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

**AFA160 CAS: 91449-26-2 HR: 1**

**AI3-38427A**

**TOXICITY DATA with REFERENCE:**

orl-rat LD :>5 g/kg NTIS\*\* AD-A137-289

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

**AFA165 CAS: 91449-27-3 HR: 2**

**AI3-38599A**

**TOXICITY DATA with REFERENCE:**

orl-rat LD50:>3333 mg/kg NTIS\*\* AD-A137-289

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

**AFA170 CAS: 92880-11-0 HR: 2****AI3-38862A****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A141-025

orl-rat LDLo:1480 mg/kg NTIS\*\* AD-A141-025

**SAFETY PROFILE:** Moderately toxic by route. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**AFA175 CAS: 92880-13-2 HR: 2****AI3-39048A****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A141-025

orl-rat LDLo:2222 mg/kg NTIS\*\* AD-A141-025

**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**AFA180 CAS: 92880-14-3 HR: 1****AI3-39049A****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A141-025

orl-rat LDLo:5 g/kg NTIS\*\* AD-A141-025

**SAFETY PROFILE:** Low toxicity by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**AFA185 CAS: 92880-15-4 HR: 1****AI3-39050A****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A141-025

orl-rat LDLo:5 g/kg NTIS\*\* AD-A141-025

**SAFETY PROFILE:** Low toxicity by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**AFA190 CAS: 92880-16-5 HR: 2****AI3-39051A****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD NTIS\*\* AD-A141-025

orl-rat LDLo:2222 mg/kg NTIS\*\* AD-A141-025

**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**AFA200 CAS: 87805-44-5 HR: 1****AI3-20685GC****SYN:** OM 2803**TOXICITY DATA with REFERENCE:**

orl-rat LD :&gt;5 g/kg NTIS\*\* AD-A128-088

**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**AFG000 HR: 3****AIPYSURUS LAEVIS VENOM (AUSTRALIA)****SYN:** VENOM, SEA SNAKE, AIPYSURUS LAEVIS (AUSTRALIA)**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:250 µg/kg 85EGD4 5,357,78

ims-mus LD50:130 µg/kg 85EGD4 5,357,78

**SAFETY PROFILE:** Poison by intravenous and intramuscular routes.**AFG250 HR: 2****AIR, refrigerated liquid****DOT:** UN 1002/UN 1003**PROP:** Bluish, mobile liquid. O<sub>2</sub> + N<sub>2</sub>. Bp: -189° (liq); flash p: none; autoign temp: none.**SYNS:** AIR, compressed (UN 1002) (DOT) □ AIR, refrigerated liquid (cryogenic liquid) (UN 1003) (DOT) □ AIR, refrigerated liquid (cryogenic liquid) non-pressurized (UN 1003) (DOT)**DOT CLASSIFICATION:** 2.2; Label: Nonflammable Gas, Oxidizer (UN 1003); DOT Class: 2.2; Label: Nonflammable Gas (UN 1002); DOT Class: Nonflammable Gas; Label: Nonflammable Gas.**SAFETY PROFILE:** Liquid air can cause tissue damage due to low temperature. Personnel exposed to compressed air may develop caisson disease (the bends, the chokes) if decompression is too rapid. Moderate explosion hazard when containers under pressure are shocked or exposed to heat or flame. Flammable materials, e.g., ethyl ether, hydrocarbons, or charcoal, which have been in contact with liquid air may explode very easily. Ordinary oxidation is greatly accelerated in compressed air. Moderately dangerous disaster hazard; can react vigorously with reducing materials.**AFG500 CAS: 569-64-2 HR: 3****AIZEN MALACHITE GREEN**mf: C<sub>23</sub>H<sub>25</sub>N<sub>2</sub>•Cl mw: 364.95**PROP:** Green to violet crystalline solid.**SYNS:** ACRYL BRILLIANT GREEN B □ ADC MALACHITE GREEN CRYSTALS □ ANILINE GREEN □ BASIC GREEN 4 □ BENZALDEHYDE GREEN □ BRONZE GREEN TONER A-8002 □ BURMA GREEN B □ CHINA GREEN (BIOLOGICAL STAIN) □ C.I. 42000 □ C.I. BASIC GREEN 4 □ DIABASIC MALACHITE GREEN □ DIAMOND GREEN B □ FAST GREEN □ HIDACO MALACHITAE GREEN BASE □ LIGHT GREEN N □ NEW VICTORIA GREEN EXTRA I □ SOLID GREEN CRYSTALS O □ TETRAMETHYL DIAPARA-AMIDO-TRIPHENYL CARBINOL □ TETROPHENE GREEN M □ VICTORIA GREEN**TOXICITY DATA with REFERENCE:**

dnd-mam:lym 10 pph BIPMAA 11,253,72

orl-mus LD50:80 mg/kg ARZNAD 1,5,51

ipr-mus LD50:4200 µg/kg ARZNAD 1,5,51

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory. Community Right-To-Know List.**SAFETY PROFILE:** Poison by ingestion and intraperitoneal routes. Mutation data reported. When heated to decomposition it emits very toxic fumes of NO<sub>x</sub> and Cl<sup>-</sup>.**AFG625 HR: 1****AJAX, LEMON (scouring powder)****SYN:** LEMON AJAX**TOXICITY DATA with REFERENCE:**

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

eye-rbt 100 mg MOD FCTOD7 20,573,82

eye-rbt 100 mg/45 rns MLD FCTOD7 20,573,82

**SAFETY PROFILE:** A skin and eye irritant.

**AFG750 CAS: 483-04-5 HR: 3**

#### AJMALICINE

mf:  $C_{21}H_{24}N_2O_3$  mw: 352.47

**PROP:** Prisms from MeOH. Mp: 259° (decomp).

**SYNS:** ALKALOID C □ ALKALOID II □ 16,17-DIDEHYDRO-19-METHYLOXAYOHIMBAN-16-CARBOXYLIC ACID METHYL ESTER □ HYDROSARPAN □ LAMURAN □ PY-TETRAHYDRO SERPENTINE □ RANITOL □ RAUBASINE □ RAUMALINA □ SARPAN □ SUBSTANCE II □ TENSYL □ TETRAHYDRO SERPENTINE □ VINCAIN □ VINCEINE □ Δ-YOHIMBINE

#### TOXICITY DATA with REFERENCE:

orl-rat LDLo:750 mg/kg AEPPAE 233,72,58  
ivn-gpg LDLo:20 mg/kg ARZNAD 23,600,73  
orl-chd TDLo:12,500 µg/kg:CNS,PUL CHETBF 76,97,79  
ipr-rat LD50:200 mg/kg 27ZQAG -,117,72  
ivn-rat LD50:24 mg/kg 27ZQAG -,117,72  
orl-mus LD50:400 mg/kg 27ZQAG -,117,72  
ipr-mus LD50:165 mg/kg 27ZQAG -,117,72  
ivn-mus LD50:20 mg/kg AEPPAE 233,72,58  
orl-rbt LD50:500 mg/kg 27ZQAG -,117,72  
ivn-rbt LD50:20 mg/kg 27ZQAG -,117,72

**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. Human systemic effects by ingestion: general anesthesia, convulsions and lung effects. When heated to decomposition it emits highly toxic  $NO_x$ . An antihypertensive agent and tranquilizer.

**AFH000 CAS: 4373-34-6 HR: 3**

#### AJMALICINE HYDROCHLORIDE

mf:  $C_{21}H_{24}N_2O_3 \cdot ClH$  mw: 388.93

**SYNS:** AJMALICINE MONOHYDROCHLORIDE □ RAUBASNE HYDROCHLORIDE □ γ-YOHIMBINE HYDROCHLORIDE

#### TOXICITY DATA with REFERENCE:

orl-mus LDLo:50 mg/kg LDBU\*\* -,3,32  
ivn-mus LD50:56 mg/kg CSLNX\* NX#00444

**SAFETY PROFILE:** Poison by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of  $NO_x$  and HCl. See also AJMALICINE.

**AFH250 CAS: 4360-12-7 HR: 3**

#### AJMALINE

mf:  $C_{20}H_{26}N_2O_2$  mw: 326.48

**PROP:** Solid. Mp: 158–160° from MeOH solvate. Mp: 205–207° (anhyd).

**SYNS:** CARDIORYTHMINE □ GILURYTMAL □ IGNAZIN □ MERABITOL □ RAUGALLINE □ RAUWOLFIN □ RAUWOLFINE □ RHYTMATON □ RITMOS □ SIDDIQUI □ TACHMALIN □ TAJMALIN □ TAKYCOR

#### TOXICITY DATA with REFERENCE:

scu-rat LD50:216 mg/kg FRPSAX 19,865,64  
ivn-rat LD50:26 mg/kg PHARAT 31,36,76  
orl-mus LD50:255 mg/kg FRPSAX 19,865,64  
scu-mus LD50:180 mg/kg FRPSAX 19,865,64  
ivn-gpg LDLo:28 mg/kg FRPSAX 19,865,64  
orl-qal LDLo:316 mg/kg EESADV 6,149,82  
orl-bwd LD50:178 mg/kg AECTCV 12,355,83  
ipr-mus LD50:75 mg/kg NTIS\*\* AD691-490

ivn-mus LD50:21 mg/kg JETOAS 8(3),188,75

**SAFETY PROFILE:** Poison by ingestion, subcutaneous, intraperitoneal, and intravenous routes. When heated to decomposition it emits toxic fumes of  $NO_x$ . An antihypertensive agent and tranquilizer.

**AFH275 CAS: 2552-89-8 HR: 3**

#### AJMALINE BIS(CHLOROACETATE) (ester) HYDROCHLORIDE

mf:  $C_{24}H_{28}Cl_2N_2O_4 \cdot ClH$  mw: 515.90

**SYNS:** DCAA □ DIMONOCOROACETILAJMALINA CLORIDRATO (ITALIAN)

#### TOXICITY DATA with REFERENCE:

scu-rat LD50:389 mg/kg FRPSAX 19,865,64  
orl-mus LD50:570 mg/kg FRPSAX 19,865,64  
scu-mus LD50:355 mg/kg FRPSAX 19,865,64  
ivn-mus LD50:111 mg/kg FRPSAX 19,865,64  
ivn-gpg LDLo:149 mg/kg FRPSAX 19,865,64

**SAFETY PROFILE:** Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. When heated to decomposition it emits toxic fumes of  $NO_x$  and HCl. See also ESTERS, other Ajmalines.

**AFH280 CAS: 4410-48-4 HR: 3**

#### AJMALINE HYDROCHLORIDE

mf:  $C_{20}H_{26}N_2C_2 \cdot 7ClH$  mw: 581.70

**PROP:** Amber prisms +  $2H_2O$ . Mp: 133–134°. Mp: 253–255° (anhyd).

**SYN:** CHLORHYDRATE de RAUGALLINE (FRENCH)

#### TOXICITY DATA with REFERENCE:

orl-mus LD50:440 mg/kg AIPTAK 127,163,60  
ipr-mus LD50:105 mg/kg AIPTAK 127,163,60  
ivn-mus LD50:26 mg/kg AIPTAK 127,163,60  
ivn-cat LDLo:2 mg/kg AIPTAK 216,63,75

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

**AFH400 CAS: 3011-89-0 HR: D**

#### AKLOMIDE

mf:  $C_7H_5ClN_2O_3$  mw: 200.60

**PROP:** Crystals and gray scales from alc. Mp: 172°.

**SYNS:** AKLOMIX □ 2-CHLORO-4-NITROBENZAMIDE

**SAFETY PROFILE:** When heated to decomposition emits toxic fumes of  $Cl^-$  and  $NO_x$ .

**AFH500 AK PS HR: 3**

mf:  $C_7H_6N_2O_2S_2$  mw: 214.27

**PROP:** Produced by *Streptomyces flavochromogenes Iwayaensis*.  
**SYN:** ANTIBIOTIC AK PS

#### TOXICITY DATA with REFERENCE:

ipr-mus LD50:5 mg/kg JANTAJ 33,80-35,80  
ivn-mus LD50:5 mg/kg JANTAJ 33,80-35,80

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

**AFH550 CAS: 25331-92-4 HR: 3  
AL-1612**mf:  $C_{19}H_{28}N_2O_3$  mw: 332.49**SYNS:** 5-(1,4-DIOXA-8-AZASPIRO(4.5)DEC-8-YLMETHYL)-3-ETHYL-6,7-DIHYDRO-2-METHYL-INDOL-4(5H)-ONE □ 3-ETHYL-5-(4,4-ETHYLENEDIOXYPIPERIDINO-1-METHYL)-6,7-DIHYDRO-2-METHYLINDOL-4(5H)-ONE**TOXICITY DATA with REFERENCE:**

orl-rat LD50:240 mg/kg ARZNAD 23,1314,73  
 orl-mus LD50:200 mg/kg ARZNAD 23,1314,73  
 orl-dog LD50:50 mg/kg ARZNAD 23,1314,73  
 orl-rbt LD50:100 mg/kg ARZNAD 23,1314,73

**SAFETY PROFILE:** Poison by ingestion. When heated to decomposition it emits toxic fumes of  $NO_x$ .**AFH600 CAS: 302-72-7 HR: 1  
dl-ALANINE**mf:  $C_3H_7NO_2$  mw: 89.09**PROP:** Needles or prisms, or white crystalline powder; odorless with a sweet taste. Mp: 295° (decomp). Slightly sol in water, insol in  $Et_2O$ .**SYNS:** (+)-ALANINE □ dl-α-ALANINE □ (R,S)-ALANINE □ dl-2-AMINOPROPIONIC ACID □ (+)-2-AMINOPROPIONIC ACID □ dl-α-AMINOPROPIONIC ACID**TOXICITY DATA with REFERENCE:**

orl-rat TDLo:1820 g/kg/26W-C TXAPA9 37,491,76

**SAFETY PROFILE:** Low toxicity by ingestion. When heated to decomposition emits toxic fumes of  $NO_x$ .**AFH625 CAS: 56-41-7 HR: D  
l-ALANINE**mf:  $C_3H_7NO_2$  mw: 89.09**PROP:** White crystalline powder; odorless with a sweet taste. Mp: 297° (decomp). Sol in water; insol in  $EtOH$ .**SYNS:** ALANINE □ α-ALANINE □ l-(+)-ALANINE □ l-α-ALANINE □ (S)-ALANINE □ l-2-AMINOPROPANOIC ACID □ (S)-2-AMINOPROPANOIC ACID □ α-AMINOPROPIONIC ACID**TOXICITY DATA with REFERENCE:**

sce-hmn:lyms 50 mg/L MUREAV 280,279,92

**CONSENSUS REPORTS:** Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .**AFH650 CAS: 140637-82-7 HR: D  
β-ALANINE, 2-(4-((2,6-DIDEOXY-2-FLUORO-α-l-TALOPYRANOSYL)OXY)-1,2,3,4,6,11-HEXAHYDRO-2,5,12-TRIHYDROXY-7-METHOXY-6,11-DIOXO-2-NAPHTHACENYL)-2-OXOETHYL ESTER, HYDROCHLORIDE, (2S-CIS)-**mf:  $C_{30}H_{32}FNO_{13} \cdot ClH$  mw: 670.09**SYN:** DA 1257-O-(2,6-DIDEOXY-2-FLUORO-α-TALOPYRANOSYL)ADRIAMYCINONE-14-β-ALANATE HYDROCHLORIDE**SAFETY PROFILE:** Experimental reproductive effects. When heated to decomposition it emits toxic vapors of  $NO_x$ ,  $HCl$ , and  $F^-$ .**AFH750 CAS: 5854-93-3 HR: 3  
l-ALANOSINE**mf:  $C_3H_7N_3O_4$  mw: 149.13**PROP:** Crystals. Mp: 190°.**SYNS:** ALANOSINE □ l-2-AMINO-3-(HYDROXYNITROS-AMINO)PROPIONIC ACID □ l-2-AMINO-3-((N-NITROSO)-HYDROXYLAMINO)PROPIONIC ACID □ 3-(HYDROXY-NITROSOAMINO)-l-ALANINE (9CI)**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:600 mg/kg USXXAM #3676490

scu-mus LD50:845 mg/kg NCISP\* JAN86

ivn-mus LD50:300 mg/kg USXXAM #3676490

**SAFETY PROFILE:** Poison by intravenous route. Moderately toxic by intraperitoneal and subcutaneous routes. When heated to decomposition it emits toxic fumes of  $NO_x$ . An experimental insect reproduction inhibitor.**AFI500 CAS: 38819-28-2 HR: 3  
4-N-d-ALANYL-2,4-DIAMINO-2,4-DIDEOXY-l-ARABINOSE**mf:  $C_8H_{17}N_3O_4$  mw: 219.28**SYN:** PRUMYCIN**TOXICITY DATA with REFERENCE:**

dni-hmn:hla 10 mg/L JANTAJ 33,226,80

ipr-rat LD50:70 mg/kg JANTAJ 32,347,79

orl-mus LDLo:750 mg/kg 85ERAY 2,1167,78

ipr-mus LD50:155 mg/kg JANTAJ 33,226,80

ivn-mus LDLo:160 mg/kg 85ERAY 2,1167,78

**SAFETY PROFILE:** Poison by intraperitoneal and intravenous routes. Moderately toxic by ingestion. Human mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .**AFI625 CAS: 1397-84-8 HR: 3  
ALAZOPEPTIN**mf:  $C_{15}H_{20}N_6O_5$  mw: 364.41**PROP:** Crystals.**SYNS:** AA223 LEDERLE □ l-ALLYL-(6-DIAZO-5-OXO)-l-NORLEUCYL-(6-DIAZO-5-OXO)-l-NORLEUCINE □ AMBOMYCIN □ LEDERLE AA223**TOXICITY DATA with REFERENCE:**

mmo-omi 1 mg/plate JGAMA9 11,129,65

ipr-rat LD50:150 mg/kg PSEBAA 97,888,58

**SAFETY PROFILE:** Poison by intraperitoneal route. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic fumes of  $NO_x$ .**AFI750 CAS: 39301-00-3 HR: 3  
ALBITOCIN****TOXICITY DATA with REFERENCE:**

ipr-rat LD50:800 µg/kg JPPMAB 19,760,67

ipr-mus LD50:5900 µg/kg JPPMAB 19,792,67

ivn-mus LD50:6 mg/kg JPPMAB 19,792,67

ivn-mky LD50:2500 µg/kg JPPMAB 19,792,67

ivn-rbt LD50:1800 µg/kg JPPMAB 19,792,67

**SAFETY PROFILE:** Poison by intravenous and intraperitoneal routes. Experimental reproductive effects.









































































































































