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UAG000 CAS: 3737-72-2 HR: 2 U-0290

mf: $C_{23}H_{31}NO_4 \cdot ClH$ mw: 422.01

SYN: p-(2-((DIETHYLAMINO)METHYL)BUTOXY)BENZOIC ACID, p-METHOXYPHENYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 2500 ppm MLD AIPTAK 137,410,62

eye-rbt 2500 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:479 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: Moderately toxic by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

UAG025 CAS: 95004-22-1 HR: 3 U-1804

mf: $C_{21}H_{29}NO_3 \cdot ClH$ mw: 379.97

SYN: p-(2-CYCLOHEXEN-1-YLOXY)BENZOIC ACID, 3-(2-METHYL-1-PYRROLIDINYL)PROPYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 2500 ppm MLD AIPTAK 137,410,62

eye-rbt 2500 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:182 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: Poison by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

UAG050 CAS: 3737-66-4 HR: 3 U-2397

mf: $C_{20}H_{31}NO_3 \cdot ClH$ mw: 369.98

SYN: 2,6-DIMETHYL-4-PROPOXY-BENZOIC ACID 2-METHYL-2-(1-PYRROLIDINYL)PROPYL ESTER

TOXICITY DATA with REFERENCE:

skn-rbt 5 pph MLD AIPTAK 137,410,62

eye-rbt 5000 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:55,700 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

UAG075 CAS: 3737-66-4 HR: 3 U-2397

mf: $C_{19}H_{29}NO_3 \cdot ClH$ mw: 355.95

SYN: 2,6-DIMETHYL-4-PROPOXY-BENZOIC ACID 2-(1-PYRROLIDINYL)PROPYL ESTER HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

skn-rbt 1 pph MLD AIPTAK 137,410,62

eye-rbt 2500 ppm MLD AIPTAK 137,410,62

ipr-mus LD50:152 mg/kg AIPTAK 137,410,62

SAFETY PROFILE: Poison by intraperitoneal route. A skin and eye irritant. When heated to decomposition it emits toxic fumes of NO_x and HCl. See also ESTERS.

UAH000 CAS: 303-98-0 HR: 3

UBIQUINONE 10

mf: $C_{59}H_{90}O_4$ mw: 863.49

PROP: Orange crystals from MeOH or EtOH at low temp. Mp: 49.9°.

SYNS: COENZYME Q_{10} \square Co Q_{10} \square UBIDECARENONE \square UBIQUINONE 50

TOXICITY DATA with REFERENCE:

orl-mus TDL₀:42 mg/kg (female 7-13D post):REP
IYKEDH 3,306,72

orl-mus TDL₀:4200 mg/kg (female 7-13D post):TER
IYKEDH 3,306,72

orl-rat LDLo:4000 mg/kg NIIRDN 6,862,82

scu-rat LDLo:500 mg/kg NIIRDN 6,862,82

ivn-rat LDLo:250 mg/kg NIIRDN 6,862,82

ims-rat LDLo:500 mg/kg NIIRDN 6,862,82

orl-mus LDLo:4000 mg/kg NIIRDN 6,862,82

scu-mus LDLo:500 mg/kg NIIRDN 6,862,82

ivn-mus LDLo:500 mg/kg NIIRDN 6,862,82

ims-mus LDLo:500 mg/kg NIIRDN 6,862,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion, subcutaneous, and intramuscular routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits acrid smoke and irritating fumes.

UAK000 CAS: 68442-69-3 HR: 2 UCANE ALKYLATE 12

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/1D SEV UCDS** 11/8/71

eye-rbt 5 mg SEV UCDS** 11/8/71

orl-rat LD50:2460 mg/kg UCDS** 11/8/71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A severe skin and eye irritant.

UAK100 CAS: 26249-20-7 HR: 2 UCAR BUTYLENE OXIDE 12

PROP: Water white liquid with sweet, somewhat like butyric acid, disagreeable odor. Mp: -50°, d: 0.824 @ 25°.

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 8/18/67

orl-rat LD50:1410 mg/kg UCDS** 8/18/64

ihl-rat LCLo:4000 ppm/4H UCDS** 8/18/64

skn-rbt LD50:2100 mg/kg UCDS** 8/18/64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UBA000 CAS: 107-98-2 HR: 1
UCAR TRIOL HG-170

PROP: Clear, colorless, liquid. D: 0.9620 @ 20°/4°, mp: -95°, bp: 120°. Sol in Water: 100 mg/ml @ 19°C.

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 8/7/62

orl-rat LD50:36 g/kg UCDS** 8/7/62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UBJ000 CAS: 102646-51-5 HR: 1
UCON FLUID AP-1

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 11/17/69

orl-rat LD50:4850 mg/kg UCDS** 11/17/69

skn-rbt LD50:20 g/kg UCDS** 11/17/69

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin irritant.

UBS000 CAS: 9038-95-3 HR: 2
UCON 50-HB-55

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 3/10/70

eye-rbt 50 mg SEV UCDS** 3/10/70

orl-rat LD50:8530 mg/kg UCDS** 3/10/70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin and severe eye irritant.

UCA000 CAS: 9038-95-3 HR: 1
UCON 50-HB-100

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 12/12/68

orl-rat LD50:9170 mg/kg UCDS** 12/12/68

skn-rbt LD50:14 g/kg UCDS** 12/12/68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion and skin contact. A skin irritant.

UCJ000 CAS: 9038-95-3 HR: 2
UCON 50-HB-260

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 3/20/73

orl-rat LD50:4000 mg/kg UCDS** 3/20/73

orl-rbt LD50:1770 mg/kg TXAPA9 16,675,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant.

UDA000 CAS: 9038-95-3 HR: 1
UCON 50-HB-400

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 5/17/68

orl-rat LD50:5370 mg/kg UCDS** 5/17/68

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UDJ000 CAS: 9038-95-3 HR: 1
UCON 50-HB-660

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 4/12/65

orl-rat LD50:18 g/kg UCDS** 4/12/65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UDS000 CAS: 9038-95-3 HR: 1
UCON 50-HB-2000

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS**

orl-rat LD50:21 g/kg UCDS**

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UEA000 CAS: 9038-95-3 HR: 1
UCON 50-HB-3520

PROP: D: 1.04.

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 3/30/65

orl-rat LD50:38 g/kg UCDS** 3/30/65

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UEJ000 CAS: 9038-95-3 HR: 1
UCON 50-HB-5100

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD TXAPA9 16,657,70

orl-rat LD50:49 g/kg TXAPA9 16,657,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant.

UFA000 CAS: 9038-95-3 HR: 2
UCON 50-HB-280-X

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 10/29/68

orl-mus LD50:7460 mg/kg TXAPA9 16,657,70

orl-rbt LD50:1770 mg/kg TXAPA9 16,675,70

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion. A skin irritant.

UHA000 CAS: 52581-71-2 HR: 1
UCON LO-500

mf: (C₃H₆O)_n•C₁₈H₃₆O

PROP: Emollient.

SYN: α -9-OCTADECENYL- ω -HYDROXPOLY(OXY(METHYL-1,2-ETHANEDIYL))

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 7/8/69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UIA000 CAS: 25736-79-2 HR: 1

UCON LUBRICANT DLB-62-E

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 10/14/64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UIJ000 CAS: 25736-79-2 HR: 1

UCON LUBRICANT DLB-140-E

mf: $(C_3H_6O)_n-C_5H_{12}O$

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 10/14/64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UIS000 CAS: 25736-79-2 HR: 1

UCON LUBRICANT DLB-200-E

mf: $(C_3H_6O)_n-C_5H_{12}O$

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg open MLD UCDS** 10/14/64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UIS300 HR: 1

ULATKAMBAL ROOT EXTRACT

PROP: Indian plant belonging to the family *Sterculiaceae* IJMRAQ 63,378,75.

SYN: ABROMA AUGUSTA Linn., root extract

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1 g/kg IJBA6 18,594,80

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

UJA200 CAS: 57455-37-5 HR: 1

ULTRAMARINE BLUE

mf: $Na_7Al_6Si_6O_{24}S_3$ mw: 971.50

PROP: Calcined mixture of kaolin, sulfur, sodium carbonate, and carbon above 700°.

SAFETY PROFILE: A nuisance dust.

UJA800 HR: 2

γ -UNDECALACTONE

mf: $C_{11}H_{20}O_2$ mw: 184.28

PROP: Colorless to slightly yellow liquid; peach odor. D: 0.825, refr index: 1.430, flash p: 279°F. Sol in fixed oils, propylene glycol; insol in glycerin, water @ 223°.

SYNS: ALDEHYDE C-14 PURE ☐ FEMA No. 3091 ☐ PEACH ALDEHYDE

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

UJJ000 CAS: 112-44-7 HR: 1

1-UNDECANAL

mf: $C_{11}H_{22}O$ mw: 170.33

PROP: Colorless to sltly yellow liquid; sweet, fatty, floral odor. Mp: -4°, bp: 117° @ 18 mm, flash p: 235°F (COC), d: 0.830 @ 20°/4°, refr index: 1.430, vap press: 0.04 mm @ 20°, vap d: 5.94. Sol in fixed oils, propylene glycol; insol in glycerin, water @ 223°. Reported in lemon and mandarin oils (FCTXAV 11,477,73).

SYNS: ALDEHYDE-14 ☐ 1-DECYL ALDEHYDE ☐ FEMA No. 3092 ☐ HENDECANAL ☐ HENDECANALDEHYDE ☐ UNDECANAL ☐ n-UNDECANAL ☐ UNDECANALDEHYDE ☐ UNDECYL ALDEHYDE ☐ n-UNDECYL ALDEHYDE ☐ UNDECYLIC ALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTXAV 11,1079,73

orl-rat LD50:>5 g/kg FCTXAV 11,81,73

skn-rbt LD50:>5 g/kg FCTXAV 11,81,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. Combustible liquid when exposed to heat or flame. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

UJS000 CAS: 1120-21-4 HR: 3

UNDECANE

DOT: UN 2330

mf: $C_{11}H_{24}$ mw: 156.35

PROP: Colorless liquid. D: 0.7402 @ 20°/4°, fp: -25.75°, bp: 195.6°, flash p: 149°F (OC), vap d: 5.4. Insol in water.

SYNS: HENDECANE ☐ n-UNDECANE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:517 mg/kg JPMSAE 67,566,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by intravenous route. Flammable liquid when exposed to heat, sparks, flame, or oxidizers. To fight fire, use foam, mist, dry chemical. Emitted from modern building materials (CENEAR 69,22,91). When heated to decomposition it emits acrid smoke and irritating fumes. See also ALKANES.

UKA000 CAS: 112-37-8 HR: 3

UNDECANOIC ACID

mf: $C_{11}H_{22}O_2$ mw: 186.33

PROP: Crystals from AcOH (aq). Mp: 28.2–28.6°, bp: 212.5° @ 100 mm.

SYNS: 1-DECANECARBOXYLIC ACID □ HENDECANOIC ACID □ n-UNDECOIC ACID □ UNDECYLIC ACID

TOXICITY DATA with REFERENCE:

skn-rbt 150 mg/24H MLD TXAPA9 21,369,72

ivn-mus LD50:140 mg/kg APTOA6 18,141,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UKJ000 CAS: 710-04-3 HR: 1
UNDECANOLIDE-1,5

mf: C₁₁H₂₀O₂ mw: 184.31

PROP: Fragrance.

SYNS: 5-HYDROXYUNDECANOIC ACID LACTONE □ Δ-UNDECALACTONE

TOXICITY DATA with REFERENCE:

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UKS000 CAS: 112-12-9 HR: 2
2-UNDECANONE

mf: C₁₁H₂₂O mw: 170.33

PROP: Colorless liquid. Mp: 12°, fp: 15°, bp: 223°, flash p: 192°F (CC), d: 0.829 @ 30°, vap d: 5.9. Insol in water.

SYNS: 2-HENDECANONE □ METHYL NONYL KETONE □ METHYL-n-NONYL KETONE □ MGK DOG AND CAT REPELLENT □ NONYL METHYL KETONE

TOXICITY DATA with REFERENCE:

orl-rat LD50:5 g/kg FMCHA2 -,C201,91

orl-mus LD50:3880 mg/kg APJUA8 12,79,62

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Moderately toxic by ingestion. Combustible when exposed to heat or flame; can react with oxidizing materials. To fight fire, use CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes. See also KETONES.

ULA000 CAS: 927-49-1 HR: 3
6-UNDECANONE

mf: C₁₁H₂₂O mw: 170.33

PROP: A liquid. Mp: 14–15°, bp: 226°.

SYNS: AMYL KETONE □ DIAMYL KETONE □ DIPENTYL KETONE □ 6-OXOUNDECANE □ PENTYL KETONE □ UNDECAN-6-ONE

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1000 mg/kg CTOXAO 17,271,80

ivn-mus LD50:117 mg/kg JPMSAE 67,566,78

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

ULA100 CAS: 16356-11-9 HR: 2
1,3,5-UNDECATRIENE

mf: C₁₁H₁₈ mw: 150.29

PROP: Fragrance.

TOXICITY DATA with REFERENCE:

orl-rat LD50:7563 mg/kg FCTOD7 26,415,88

skn-rbt LD50:>3 g/kg FCTOD7 26,415,88

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

ULJ000 CAS: 112-45-8 HR: 2
10-UNDECENAL

mf: C₁₁H₂₀O mw: 168.31

PROP: Colorless to light yellow liquid; rose odor. D:

0.840–0.850, bp: 101–103° @ 10 mm, refr index:

1.441–1.447, flash p: 212°F. Sol in fixed oils, propylene glycol; insol in water @ 235°, glycerin.

SYNS: ALDEHYDE C-11, UNDECYLENIC □ FEMA No. 3095 □ HENDECENAL □ 1-UNDECEN-10-AL □ UNDECYLEN-ALDEHYDE □ 10-UNDECYLENEALDEHYDE □ UNDECYLENIC ALDEHYDE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD FCTXAV 11,1079,73

orl-rat LD50:>5 g/kg FCTXAV 11,479,73

skn-rbt LD50:>5 g/kg FCTXAV 11,479,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Low toxicity by ingestion and skin contact. A skin irritant. Combustible liquid. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALDEHYDES.

ULS000 CAS: 112-38-9 HR: 2
10-UNDECENOIC ACID

mf: C₁₁H₂₀O₂ mw: 184.31

PROP: Bright, clear, mobile liquid or crystals. Mp: 24.5°, bp: 160° @ 10 mm, flash p: 295°F (COC), d: 0.910 @ 25°/25°.

SYNS: DESENEX □ 10-HENDECENOIC ACID □ UNDECYLENIC ACID □ UNDECYL-10-ENIC ACID □ 9-UNDECYLENIC ACID □ 10-UNDECYLENIC ACID

TOXICITY DATA with REFERENCE:

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

orl-rat LD50:2500 mg/kg 28ZEAL 4,386,69

orl-mus LD50:8500 mg/kg JIDEAE 13,145,49

ipr-mus LD50:960 mg/kg JIDEAE 13,145,49

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion and intraperitoneal routes. A severe skin irritant. Ingestion can cause nausea, vomiting, and urticaria (hives). Combustible when exposed to heat or flame. To fight fire, use foam, CO₂, dry chemical. When heated to decomposition it emits acrid smoke and irritating fumes.

ULS400 CAS: 5760-50-9 HR: 1
9-UNDECENOIC ACID, METHYL ESTER

mf: C₁₂H₂₂O₂ mw: 198.34

PROP: Fragrance.**SYNS:**

□ METHYL 9-UNDECENOATE □ METHYL 10-UNDECENOATE □ METHYL UNDECYLENATE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD FCTOD7 20,767,82

orl-rat LD50:3 g/kg FCTOD7 20,767,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**ULS875****HR: D****2-UNDECENOL**mf: C₁₁H₂₂O mw: 170.30**PROP:** White to sltly yellow liquid; oily, sweet, floral odor. D: 0.847, refr index: 1.450 @ 22°. Insol in water.**SAFETY PROFILE:** When heated to decomposition it emits acrid smoke and irritating fumes.**UMA000****CAS: 112-43-6****HR: 1****10-UNDECENOL**mf: C₁₁H₂₂O mw: 170.33**PROP:** A liquid. Fp: -2°, bp: 133° @ 14 mm. Found in leaves of *Litsea odorifera* val. (FCTXAV 11,95,73).**SYNS:** ALCOHOL C-11 □ 1-UNDECEN-11-OL □ ω-UNDECENYL ALCOHOL □ UNDECYLENIC ALCOHOL**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg MLD FCTXAV 11,1079,73

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.**UMJ000****CAS: 38460-95-6****HR: 3****10-UNDECENOYL CHLORIDE**mf: C₁₁H₁₉ClO mw: 202.75**SYNS:** ω-UNDECYLENIC ACID CHLORIDE □ 10-UNDECYLENOYL CHLORIDE**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:56 mg/kg CSLNX* NX#08967

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by intravenous route. When heated to decomposition it emits toxic fumes of Cl⁻. See also CHLORINATED HYDROCARBONS, ALIPHATIC.**UMS000****CAS: 112-19-6****HR: 1****UNDECENYL ACETATE**mf: C₁₃H₂₄O₂ mw: 212.37**PROP:** Fragrance.**SYNS:** ACETATE C-11 □ 10-HENDECEN-1-YL ACETATE □ 10-UNDECENYL ACETATE**TOXICITY DATA with REFERENCE:**

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**UNA000****CAS: 112-42-5****HR: 2****UNDECYL ALCOHOL**mf: C₁₁H₂₄O mw: 172.35**PROP:** Colorless liquid; fatty-floral odor. D:

0.820–0.840, refr index: 1.437–1.443, mp: 19°, bp: 131° @ 15 mm, flash p: 234°F. Sol in fixed oils; insol in water.

SYNS: ALCOHOL C-11 □ FEMA No. 3097 □ HENDECANOIC ALCOHOL □ 1-HENDECANOL □ HENDECYL ALCOHOL □ n-HENDECYLENIC ALCOHOL □ n-UNDECANOL**TOXICITY DATA with REFERENCE:**

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

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

dnr-bcs 20 mg/disc OIGZSE 34,267,85

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

skn-gpg LD50:>20 g/kg 34ZIAG -,695,69

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. A skin irritant. Combustible liquid. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes. See also ALCOHOLS.**UNA100****CAS: 67785-74-4****HR: 1****UNDECYLENIC ALDEHYDE DIGERANYL ACETAL**mf: C₃₁H₅₄O₂ mw: 458.85**PROP:** Fragrance and flavor.**SYNS:** 11,11-BIS-((3,7-DIMETHYL-2,6-OCTADIENYL)OXY)-1-UNDECENE □ 11,11-DIGERANYLOXY-1-UNDECENE □ 10-UNDECENAL DIGERANYL ACETAL □ 1-UNDECENE, 11,11-BIS((3,7-DIMETHYL-2,6-OCTADIENYL)OXY)-**TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H MOD FCTOD7 20,845,82

orl-rat LD50:>5 g/kg FCTOD7 20,845,82

skn-rbt LD50:>5 g/kg FCTOD7 20,845,82

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Low toxicity by ingestion and skin contact. A skin irritant. When heated to decomposition it emits acrid smoke and irritating fumes.**UNJ800****CAS: 66-22-8****HR: 2****URACIL**mf: C₄H₄N₂O₂ mw: 112.10**PROP:** Needles from water. Mp: 335° with effervescence. Freely sol in hot water; sparingly sol in cold water (100 parts of water at 25° dissolves 0.358 part of uracil); almost insol in alc, ether; sol in ammonia water and in other alkalis.**SYNS:** 2,4-DIHYDROXYPYRIMIDINE □ 2,4-DIOXOPYRIMIDINE □ HYBAR X □ PIROD □ 2,4-PYRIMIDINEDIOL □ 2,4-PYRIMIDINEDIONE □ 2,4(1H,3H)-PYRIMIDINEDIONE (9CI) □ PYROD**TOXICITY DATA with REFERENCE:**

pic-esc 1 g/L ZAPOAK 12,583,72

cyt-mus-ipr 15 mg/kg NULSAK 19,40,76

orl-rat TDL_o:235 g/kg/20W-C:ETA CALEDQ 34,249,87

ipr-mus LD50:1513 mg/kg JPETAB 207,504,78

CONSENSUS REPORTS: EPA Genetic Toxicology Program. Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by intraperitoneal route. An experimental teratogen.

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

UNJ810 CAS: 74578-38-4 HR: 3
URACIL mixture with TEGAFUR (4:1)

mf: $\text{C}_8\text{H}_9\text{FN}_2\text{O}_3 \cdot 4\text{C}_4\text{H}_4\text{N}_2\text{O}_2$ mw: 648.59

SYNS: FT mixture with URACIL (1:4) □ TEGAFUR mixture with URACIL (1:4) □ 1-(2-TETRAHYDROFURYL)-5-FLUOROURACIL mixture with URACIL (1:4) □ UFT □ URACIL mixture with FT (4:1) □ URACIL mixture with 1-(2-TETRAHYDROFURYL)-5-FLUOROURACIL (4:1)

TOXICITY DATA with REFERENCE:

orl-rat LD50:1580 mg/kg OYYAA2 20,1009,80

orl-mus LD50:1275 mg/kg OYYAA2 20,1009,80

orl-dog LD50:150 mg/kg OYYAA2 20,1009,80

orl-rbt LD50:242 mg/kg OYYAA2 20,1009,80

SAFETY PROFILE: Poison by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F^- and NO_x . See also URACIL.

UNS000 CAS: 7440-61-1 HR: 3

URANIUM

DOT: UN 2979

af: U aw: 238.00

PROP: A heavy, silvery-white, malleable, ductile, softer-than-steel, metallic element. Tarnishes in air. β and γ -forms are brittle, the γ -form softer and more malleable. Mp: 1132°, bp: 3818°, d: 18.95. Radioactive material. IDLH 10 mg/ m^3 (as U).

SYN: URANIUM METAL, pyrophoric (DOT)

TOXICITY DATA with REFERENCE:

unr-rat LD50:750 mg/kg GISAAA 37(10),27,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA Soluble Compounds: 0.05 mg(U)/ m^3 ; Insoluble Compounds 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

ACGIH TLV: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

DFG MAK: 0.25 mg/ m^3

DOT CLASSIFICATION: 7; Label: RADIOACTIVE, SPONT Combustible

SAFETY PROFILE: A highly toxic element on an acute basis. The permissible levels for soluble compounds are based on chemical toxicity, whereas the permissible body level for insoluble compounds is based on radiotoxicity. The high chemical toxicity of uranium and its salts is largely shown in kidney damage, which may not be reversible. Acute arterial lesions may occur after acute exposures. The most soluble uranium compounds are UF_6 , $\text{UO}_2(\text{NO}_3)_2$, UO_2Cl_2 , UO_2F_2 , and uranyl acetates, sulfates, and carbonates. Some moderately soluble compounds are UF_4 , UO_2 , UO_4 , $(\text{NH}_4)_2\text{U}_2\text{O}_7$, UO_3 , and uranyl nitrates. The rapid passage of soluble uranium compounds through the body tends to allow relatively large amounts to be absorbed. Soluble uranium compounds may be absorbed through the skin. The least soluble compounds are high-fired UO_2 , U_3O_8 , and uranium hydrides and carbides. The high toxicity effect of insoluble compounds is largely due to lung irradiation by

inhaled particles. This material is transferred from the lungs of animals quite slowly.

A very dangerous fire hazard in the form of a solid or dust when exposed to heat or flame. It can react violently with air, Cl_2 , F_2 , HNO_3 , NO , Se, S, water, NH_3 , BrF_3 , trichloroethylene, nitryl fluoride. During storage it may form a pyrophoric surface due to effects of air and moisture. Depleted uranium (the ^{238}U by-product of the uranium enrichment process, with relatively low radioactivity) is used in armor-piercing shells, ship or aircraft ballast, and counterbalances. Uranium is also used in making colored ceramic glazes.

UOA000 CAS: 55042-15-4 HR: 3

URANIUM AZIDE PENTACHLORIDE

OSHA PEL: TWA 0.05 mg(U)/ m^3

ACGIH TLV: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

mf: $\text{Cl}_5\text{N}_3\text{U}$ mw: 457.32

PROP: IDLH 10 mg/ m^3 (as U).

SAFETY PROFILE: A radioactive material. An explosive. When heated to decomposition it emits very toxic fumes of Cl^- and NO_x . See also URANIUM and AZIDES.

UOB100 CAS: 12070-09-6 HR: 3

URANIUM CARBIDE

mf: UC mw: 250.04

PROP: Bright gray black solid with metallic shine. Mp: 2500°. Bp: ca. 44° (extrap). IDLH 10 mg/ m^3 (as U).

OSHA PEL: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

ACGIH TLV: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

SAFETY PROFILE: A radioactive material. The powdered carbide ignites spontaneously in air. See also URANIUM.

UOC200 CAS: 12071-33-9 HR: 3

URANIUM DICARBIDE

mf: C_2U mw: 262.05

PROP: Light gray metallic crystals. Decomp by H_2O . Mp: 2500°, bp: 4370°. IDLH 10 mg/ m^3 (as U).

OSHA PEL: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

ACGIH TLV: TWA 0.2 mg(U)/ m^3 ; STEL 0.6 mg(U)/ m^3

SAFETY PROFILE: A radioactive material. Ignites when ground or when heated in air to 400°C. Reacts violently with warm water. Incandescent reaction in fluorine; chlorine (at 300°C); bromine (at 390°C). See also URANIUM.

UOC300 CAS: 10049-14-6 HR: 3

URANIUM FLUORIDE

mf: F_4U mw: 314.00

PROP: Crystalline, green solid. Mp: 960°, bp: 1417°. IDLH 10 mg/ m^3 (as U).

SYNS: URANIUM FLUORIDE (U_2F_8) □ URANIUM TETRAFLUORIDE

TOXICITY DATA with REFERENCE:

orl-rat LD: >8 g/kg GISAAA 37(2),60,72

ihl-rat LC: >100 mg/ m^3 /1H GISAAA 37(2),60,72

ipr-rat LD50:20 mg/kg GISAAA 37(2),60,72

ivn-rat LD50:15 mg/kg GISAAA 37(2),60,72

ihl-mus LC:>100 mg/m³/1H GISAAA 37(2),60,72

ipr-mus LD50:40 mg/kg GISAAA 37(2),60,72

ivn-rbt LD50:5 mg/kg GISAAA 37(2),60,72

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: A poison by inhalation, intravenous, and intraperitoneal routes. Low toxicity by ingestion. When heated to decomposition it emits toxic vapors of uranium and F⁻.

UOJ000 CAS: 7783-81-5 HR: 3

URANIUM FLUORIDE (fissile)

DOT: UN 2977/UN 2978

mf: F₆U mw: 352.00

PROP: Colorless crystals, rapidly hydrolyzed by H₂O. Containing more than 1% U-235 (DOT). Mp: 64°, sublimes @ 56°. Decomp by H₂O, EtOH, and Et₂O. Sol in CCl₄ and CHCl₃. IDLH 10 mg/m³ (as U).

SYNS: URANIUM HEXAFLUORIDE, fissile (containing >1% U-235) (UN 2977) (DOT) □ URANIUM HEXAFLUORIDE, fissile excepted or non-fissile (UN 2978) (DOT)

OSHA PEL: TWA Soluble Compounds: 0.05 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³; 2.5 mg(F)/m³

DOT CLASSIFICATION: 7; Label: RADIOACTIVE, Corrosive

SAFETY PROFILE: Radioactive poison. A corrosive irritant to skin, eyes, and mucous membranes. Violent reaction with hydroxy compounds (e.g., ethanol, water). Vigorous reaction with aromatic hydrocarbons (e.g., benzene, toluene, xylene). When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES and URANIUM.

UPA000 CAS: 13598-56-6 HR: 3

URANIUM(III) HYDRIDE

mf: H₃U mw: 241.06

PROP: Fine black powder. Insol in EtOH, Me₂O, and H₂O. IDLH 10 mg/m³ (as U).

SAFETY PROFILE: A radioactive material. The powder ignites spontaneously in air or on contact with water. Potentially explosive reaction with halocarbons. See also HYDRIDES and URANIUM.

UPA100 CAS: 15905-86-9 HR: 3

URANIUM NITRATE

mf: HNO₃•xU mw: 1729.02

PROP: IDLH 10 mg/m³ (as U).

SYN: NITRIC ACID, URANIUM SALT

TOXICITY DATA with REFERENCE:

ipr-rat LDLo:100 mg/kg NJMSAG 24,133,1961

scu-rat LDLo:4 g/kg NYKZAU 55,315,1959

ipr-mus LDLo:2 g/kg NYKZAU 55,315,1959

scu-mus LDLo:2 g/kg NYKZAU 55,315,1959

ivn-mus LD50:49 mg/kg NYKZAU 55,315,1959

scu-dog LDLo:2 mg/kg AJMSA9 178,449,1929

scu-rbt LD50:1500 µg/kg JIHTAB 31,301,1949

ivn-rbt LDLo:10 mg/kg NYKZAU 55,315,1959

scu-gpg LDLo:10 mg/kg AIMDAP 3,375,1909

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

UPJ000 CAS: 1344-57-6 HR: 3

URANIUM(IV) OXIDE

mf: O₂U mw: 270.03

PROP: Brown to black solid. Mp: 2875°. IDLH 10 mg/m³ (as U).

SAFETY PROFILE: A radioactive material. It ignites spontaneously in heated air and burns brilliantly. See also URANIUM.

UPS000 CAS: 541-09-3 HR: 3

URANIUM OXYACETATE

mf: C₄H₆O₆U•2H₂O mw: 424.19

PROP: Mp: loses 2H₂O @ 110°, bp: 275° (decomp), d: 2.893 @ 15°. IDLH 10 mg/m³ (as U).

SYNS: URANIUM ACETATE □ URANYL ACETATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:24 mg/kg JTEHD6 11,237,83

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.05 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³

SAFETY PROFILE: Poison by intraperitoneal route. A radioactive material. See also URANIUM.

UQA000 CAS: 13536-84-0 HR: 3

URANIUM OXYFLUORIDE

mf: F₂O₂U mw: 308.00

PROP: Hygroscopic light yellow solid, air-stable to 4°. Very sol in H₂O; insol in org solvs. IDLH 10 mg/m³ (as U).

SYNS: URANIUM FLUORIDE OXIDE □ URANYL FLUORIDE

TOXICITY DATA with REFERENCE:

ivn-rat LD50:40 mg/kg 14CYAT 2,1167,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.05 mg(U)/m³; 2.5 mg(F)/m³

ACGIH TLV: TWA 0.2 mg(U); TWA 2.5 mg(F)/m³;

BEI: 3 mg/g creatinine of fluorides in urine prior to shift; 10 mg/g creatinine of fluorides in urine at end of shift.

NIOSH REL: TWA 2.5 mg(F)/m³

SAFETY PROFILE: Poison by intravenous route.

When heated to decomposition it emits toxic fumes of F⁻. See also FLUORIDES and URANIUM.

UQJ000 CAS: 10026-10-5 HR: 3

URANIUM TETRACHLORIDE

mf: Cl₄U mw: 379.80

PROP: Cubic, dark green-gray deliquescent crystals or solid. Mp: 590°, bp: 791°, d: 4.725 @ 25°/4°. Freely sol in water (decomp); insol in hydrocarbons, ethyl ether. Should be stored in sealed ampules. IDLH 10 mg/m³ (as U).

SYN: URANIUM(IV) CHLORIDE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.05 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

SAFETY PROFILE: Probably a poison. When heated to decomposition it emits toxic fumes of Cl^- . See also URANIUM.

UQS000 **HR: 3**
URANIUM(III) TETRAHYDROBORATE

mf: $\text{B}_3\text{H}_{12}\text{U}$ mw: 282.55

PROP: IDLH 10 mg/m³ (as U).

SAFETY PROFILE: Very toxic. Ignites spontaneously in air. Explodes on heating. A radioactive material. See URANIUM and BORON COMPOUNDS.

UQT300 **HR: 3**
URANIUM(IV) TETRAHYDROBORATE

mf: $\text{B}_4\text{H}_{16}\text{U}$ mw: 297.40

PROP: IDLH 10 mg/m³ (as U).

SAFETY PROFILE: A radioactive material. Adduct with dimethyl ether ignites on contact with water. The diethyl ether and bis-tetrahydrofuran adducts explode on contact with water. See also BORON COMPOUNDS and URANIUM.

UQT700 **CAS: 6159-44-0** **HR: 3**
URANYL ACETATE DIHYDRATE

mf: $\text{C}_4\text{H}_6\text{O}_6\text{U} \cdot 2\text{H}_2\text{O}$ mw: 424.14

PROP: Yellow crystals from AcOH. Sol in H_2O . IDLH 10 mg/m³ (as U).

SYNS: BIS(ACETO)DIOXOURANIUM DIHYDRATE □ BIS(ACETO-O)DIOXOURANIUM DIHYDRATE □ URANIUM, BIS(ACETATO)DIOXO-, DIHYDRATE □ URANIUM, BIS(ACETO-O)DIOXO-, DIHYDRATE (9CI)

TOXICITY DATA with REFERENCE:

orl-rat LD50:204 mg/kg BECTA6 39,168,87

scu-rat LD50:8300 µg/kg BECTA6 39,168,87

orl-mus LD50:242 mg/kg BECTA6 39,168,87

scu-mus LD50:20,400 µg/kg BECTA6 39,168,87

SAFETY PROFILE: Poison by ingestion and subcutaneous routes. An experimental teratogen. When heated to decomposition it emits toxic fumes of uranium.

URA000 **CAS: 7791-26-6** **HR: 3**
URANYL CHLORIDE

mf: $\text{Cl}_2\text{O}_2\text{U}$ mw: 340.90

PROP: Bright yellow, deliq crystals. Mp: 578°. Very hygroscopic. Volatile above 775°. Very sol in water; sol in alc, acetone; insol in benzene. Unstable in aq solutions. IDLH 10 mg/m³ (as U).

TOXICITY DATA with REFERENCE:

ipr-mus LD50:10 mg/kg COREAF 256,1043,63

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.05 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

SAFETY PROFILE: Poison by intraperitoneal route. A radioactive material. When heated to decomposition it emits toxic fumes of Cl^- . See also URANIUM.

URA100 **CAS: 36478-76-9** **HR: 3**
URANYL NITRATE

mf: $\text{N}_2\text{O}_8\text{U}$ mw: 394.02

PROP: IDLH 10 mg/m³ (as U).

SYN: URANIUM, BIS(NITRATO-O,O')DIOXO-, (OC-6-11)-

TOXICITY DATA with REFERENCE:

ivn-rat LD50:1655 µg/kg 38MKAJ 2A,2000,81

ivn-mus LD50:200 µg/kg 38MKAJ 2A,2000,81

ivn-rbt LD50:166 µg/kg 38MKAJ 2A,2000,81

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

SAFETY PROFILE: Poison by intravenous route.

Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and U.

URA200 **CAS: 10102-06-4** **HR: 3**
URANYL NITRATE (solid)

DOT: UN 2981

mf: $\text{N}_2\text{O}_8\text{U}$ mw: 394.02

PROP: Sol in H_2O and Et_2O , many org solvs. IDLH 10 mg/m³ (as U).

SYN: BIS(NITRATO-O,O')DIOXO URANIUM (solid)

TOXICITY DATA with REFERENCE:

cyt-hmn:leu 100 µg/L DBLRAC 17(4),375,73

orl-rat LD:>500 mg/kg NCNSA6 5,28,53

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

OSHA PEL: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

DOT CLASSIFICATION: 7; Label: Radioactive, Oxidizer

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. Human mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. A radioactive material. A powerful explosive and oxidizer. Incompatible with cellulose. Ether solutions in sunlight may explode. When heated to decomposition it emits toxic fumes of NO_x . See also URANYL NITRATE HEXAHYDRATE and URANIUM.

URS000 **CAS: 13520-83-7** **HR: 3**
URANYL NITRATE HEXAHYDRATE

DOT: UN 2980

mf: $\text{N}_2\text{O}_8\text{U} \cdot 6\text{H}_2\text{O}$ mw: 502.14

PROP: Rhombic, deliquescent, yellow crystals. Mp: 60.2°, bp: 118°, decomp @ 100°, d: 2.807 @ 13°. Sol in H_2O and common org solvs forming range of 1:1 and 1:2 complexes. IDLH 10 mg/m³ (as U).

SYNS: BIS(NITRATO)DIOXOURANIUM HEXAHYDRATE □ DINITRATODIOXOURANIUM, HEXAHYDRATE □ URANYL NITRATE HEXAHYDRATE, solution (DOT)

TOXICITY DATA with REFERENCE:

cyt-ham:lng 180 mg/L MUREAV 85,288,81

ipr-rat LD50:135 mg/kg EQSFAP 1,1,75

orl-dog LDLo:12 mg/kg HBTXAC 1,310,55

ivn-dog LDLo:6750 µg/kg EQSFAP 1,1,75

orl-cat LDLo:238 mg/kg HBTXAC 1,310,55

ivn-gpg LDLo:630 µg/kg EQSFAP 1,1,75

scu-ckn LD50:299 mg/kg BECTA6 37,907,86

OSHA PEL: TWA 0.05 mg(U)/m³

ACGIH TLV: TWA 0.2 mg(U)/m³; STEL 0.6 mg(U)/m³

DOT CLASSIFICATION: 7; Label: RADIOACTIVE, Corrosive

SAFETY PROFILE: Poison by ingestion, subcutaneous, intravenous, and intraperitoneal routes.

Mutation data reported. A corrosive irritant to skin, eyes, and mucous membranes. A radioactive material. When heated to decomposition it emits toxic fumes of NO_x. See also URANIUM.

USJ000 CAS: 34661-75-1 HR: 3
URAPIDIL

mf: C₂₀H₂₉N₅O₃ mw: 387.54

PROP: Crystals from water. Mp: 156–158°.

SYNS: B-66256 □ EBRANTIL □ 6-(3-(4-(o-METHOXYPHENYL)-1-PIPERAZINYL)PROPYLAMINO)-1,3-DIMETHYLURACIL

TOXICITY DATA with REFERENCE:

orl-rat LD50:520 mg/kg ARZNAD 27,191,77

ivn-rat LD50:140 mg/kg ARZNAD 27,191,77

orl-mus LD50:508 mg/kg OYYAA2 33,453,87

ivn-mus LD50:203 mg/kg OYYAA2 33,453,87

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by ingestion. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x. Used as an antihypertensive agent.

USJ075 CAS: 2445-07-0 HR: 3
URBACIDE

mf: C₇H₁₅AsN₂S₄ mw: 330.40

PROP: Fungicide.

SYNS: BIS(DIMETHYLTHIOCARBAMOYLTHIO)METHYL-ARSINE □ DITHIO-METHANEARSONOUS ACID BIS(ANHYDROSULFIDE) with DIMETHYLDITHIOCARBAMIC ACID □ METHYLARSENIC DIMETHYL DITHIOCARBAMATE □ METHYL-ARSINE-BIS(DIMETHYLDITHIOCARBAMATE) □ METHYL-BIS(DIMETHYLDITHIOCARBAMOYLTHIO)ARSINE □ MONZET □ TUZET □ URBACID □ URBAZID

TOXICITY DATA with REFERENCE:

mnt-mus-orl 60 mg/kg CHYCDW 19,150,85

orl-rat LD50:100 mg/kg AAREAV 23,299,66

orl-mus LD50:221 mg/kg CHYCDW 19,150,85

ihl-mam LCLo:500 mg/m³ AAREAV 23,299,66

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

OSHA PEL: TWA 0.5 mg(As)/m³

SAFETY PROFILE: Poison by ingestion. Moderately toxic by inhalation. An experimental teratogen. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and As. See also ARSENIC COMPOUNDS and CARBAMATES.

USJ100 CAS: 2375-03-3 HR: 2
URBASON SOLUBLE

mf: C₂₆H₃₄O₈•Na mw: 497.59

SYNS: METHYLPREDNISOLONE SODIUM SUCCINATE □ 6-α-METHYLPREDNISOLONE SODIUM SUCCINATE □ MPS □ SOLU-MEDROL □ SOLU-MEDRONE □ 11-β,17,21-TRIHYDROXY-6-α-METHYLPREGNA-1,4-DIENE-3,20-DIONE, 21-(HYDROGEN SUCCINATE), MONOSODIUM SALT □ 11-β,17,21-TRIHYDROXY-6-α-METHYL-1,4-PREGNADIENE-3,20-DIONE 21-(SODIUM SUCCINATE) □ U 9088

TOXICITY DATA with REFERENCE:

ivn-man TDLo:43 mg/kg/3D-I:PUL AIMEAS 104,58,86

ivn-wmn TDLo:60 µg/kg/3D-I:CVS SJRHAT 15,302,86

ipr-rat LD50:640 mg/kg IYKEDH 11,181,80

scu-rat LD50:750 mg/kg IYKEDH 11,181,80

ivn-rat LD50:640 mg/kg IYKEDH 11,181,80
ipr-mus LD50:880 mg/kg NIIRDN 6,833,82
scu-mus LD50:860 mg/kg OYYAA2 8,633,74
ivn-mus LD50:750 mg/kg IYKEDH 11,181,80

SAFETY PROFILE: Moderately toxic by intraperitoneal, subcutaneous, and intravenous routes. Human systemic effects by intravenous route: respiratory system effects, pulse rate decrease, fall in blood pressure. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of Na₂O.

USS000 CAS: 57-13-6 HR: 2
UREA

mf: CH₄N₂O mw: 60.07

PROP: White crystals or tetragonal needles or prisms with faint salty taste from H₂O or EtOH. Mp: 132.7°, bp: decomp, d: (solid) 1.335. Very sol in H₂O; sol in MeOH and EtOH; insol in CHCl₃ and C₆H₆.

SYNS: CARBAMIDE □ CARBAMIDE RESIN □ CARBAMIMIDIC ACID □ CARBONYL DIAMIDE □ CARBONYLDIAMINE □ ISOUREA □ NCL-C02119 □ PRESERSION, 75 UREA □ PSEUDOUREA □ SUPERCEL 3000 □ UREAPHIL □ UREOPHIL □ UREVERT □ VARIOFORM II

TOXICITY DATA with REFERENCE:

skn-hmn 22 mg/3D-I MLD 85DKA8 -,127,77

cyt-hmn:leu 50 mmol/L CNREA8 25,980,65

orl-rat TDLo:821 g/kg/1Y-C:NEO JEPTDQ 3(5-6),149,80

orl-mus TDLo:394 g/kg/1Y-C:CAR JEPTDQ 3(5-6),149,80

orl-rat LD50:8471 mg/kg GISAAA 51(6),8,86

scu-rat LD50:8200 mg/kg OYYAA2 13,749,77

ivn-rat LD50:5300 mg/kg OYYAA2 13,749,77

scu-mus LD50:9200 mg/kg OYYAA2 13,749,77

ivn-mus LD50:4600 mg/kg OYYAA2 13,749,77

scu-dog LDLo:3000 mg/kg HBAMAK 4,1353,35

ivn-dog LDLo:3000 mg/kg HBAMAK 4,1353,35

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

SAFETY PROFILE: Moderately toxic by intravenous and subcutaneous routes. Human reproductive effects by intraplacental route: fertility effects. Experimental reproductive effects. Human mutation data reported. A human skin irritant. Questionable carcinogen with experimental carcinogenic and neoplastigenic data. Reacts with sodium hypochlorite or calcium hypochlorite to form the explosive nitrogen trichloride. Incompatible with NaNO₂, P₂Cl₅, nitrosyl perchlorate. Preparation of the ¹⁵N-labeled urea is hazardous. When heated to decomposition it emits toxic fumes of NO_x.

UTA000 CAS: 64024-08-4 HR: 3
UREA ANTIMONYL TARTRATE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:14 mg(Sb)/kg AJTMAQ 25,263,45

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

OSHA PEL: TWA 0.5 mg(Sb)/m³

ACGIH TLV: TWA 0.5 mg(Sb)/m³

NIOSH REL: (Antimony) TWA 0.5 mg/m³

SAFETY PROFILE: Poison by intraperitoneal route. When heated to decomposition it emits very toxic fumes of NO_x and Sb. See also ANTIMONY COMPOUNDS.

UTA300 CAS: 34205-21-5 HR: 2
UREA, 3-(4-(2-*tert*-BUTYL-5-OXO-Δ²)-1,3,4-(OXADIAZOLIN-4-YL)-3-CHLOROPHENYL)-1,1-DIMETHYL-

mf: C₁₅H₁₉ClN₄O₃ mw: 338.83

SYNS: DIMEFURON □ LEGURAME TS □ PRADONE KOMBI □ PRADONE PLUS □ PRADONE TS □ RP 23465 □ VT 2809

TOXICITY DATA with REFERENCE:

orl-rat LD50:1 g/kg FMCHA2 -,C108,91

orl-mus LD50:10 g/kg FMCHA2 -,C108,91

orl-dog LD50:2 g/kg PEMNDP 9,288,91

SAFETY PROFILE: Moderately toxic by ingestion.

When heated to decomposition it emits toxic vapors of NO_x and Cl⁻.

UTA400 CAS: 66063-05-6 HR: 2
UREA, N-((4-CHLOROPHENYL)METHYL)-N-CYCLOPENTYL-N'-PHENYL-

mf: C₁₉H₂₁ClN₂O mw: 328.87

SYNS: BAY NTN 19701 □ 1-(p-CHLORO BENZYL)-1-CYCLOPENTYL-3-PHENYLUREA □ N-((4-CHLOROPHENYL)METHYL)-N-CYCLOPENTYL-N'-PHENYLUREA □ MONCEREN □ NTN 19701 □ PENCYCURON

TOXICITY DATA with REFERENCE:

orl-rat LD50:>5 g/kg JPIFAN (48),16,86

ihl-rat LC50:>570 mg/m³/4H JPIFAN (48),16,86

skn-rat LD50:>5 g/kg JPIFAN (48),16,86

ipr-rat LD50:1 g/kg NNGADV 13,163,88

scu-rat LD50:1 g/kg NNGADV 13,163,88

orl-mus LD50:>5 g/kg JPIFAN (48),16,86

skn-mus LD50:>5 g/kg JPIFAN (48),16,86

ipr-mus LD50:>1 g/kg NNGADV 13,163,88

scu-mus LD50:>1 g/kg NNGADV 13,163,88

orl-dog LD50:>5 g/kg JPIFAN (48),16,86

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

UTA450 CAS: 3696-23-9 HR: 3
UREA, 1-(p-CHLOROPHENYL)-2-THIO-

mf: C₇H₇ClN₂S mw: 186.67

SYN: 4-CHLOROPHENYL THIOUREA

TOXICITY DATA with REFERENCE:

orl-rat LD50:15 mg/kg JPETAB 90,260,47

orl-rbt LDLo:35 mg/kg JMPCAS 4,147,61

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

UTJ000 CAS: 124-47-0 HR: 3
UREA NITRATE (wet)

DOT: UN 0220/UN 1357

mf: CH₅N₃O₄ mw: 123.09

PROP: Colorless minerals or prisms. Mp: 152° decomp. Very sltly sol in hot water; sol in alc; insol in HNO₃.

SYNS: ACIDOGEN NITRATE □ UREA, MONONITRATE (8Cl,9Cl) □ UREA NITRATE □ UREA NITRATE, dry or wetted with

<20% water, by weight (UN 0220) (DOT) □ UREA NITRATE, wetted with not <20% water, by weight (UN 1357) (DOT)

DOT CLASSIFICATION: EXPLOSIVE 1.1D; Label: EXPLOSIVE 1.1D (UN 0220); DOT Class: 4.1; Label: Flammable Solid (UN 1357)

SAFETY PROFILE: A mild irritant. Flammable when exposed to heat or flame. The dry nitrate may explode when heated. The presence of heavy metals (e.g., lead, iron) catalyzes the thermal decomposition of urea nitrate. When heated to decomposition it emits toxic fumes of NO_x.

UTU400 CAS: 18727-07-6 HR: 3
UREA PERCHLORATE

mf: CH₅ClN₂O₅ mw: 160.51

SYN: URONIUM PERCHLORATE

SAFETY PROFILE: Aqueous solutions dissolve some explosives (e.g., picric acid; nitromethane) and form extremely powerful, high velocity explosives. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x. See also PERCHLORATES and EXPLOSIVES, HIGH.

UTU500 CAS: 9011-05-6 HR: 1
UREA, POLYMER with FORMALDEHYDE

mf: (CH₄N₂O•CH₂O)_x mw: 90.10

SYNS: ACRESIN FS 017 □ AEROLITE 300 □ AEROLITE A 300 □ AEROLITE FFD □ AGROFORM □ AMIKOL 65 □ ANAFLEX □ BASF □ BC 20 □ BC 20 (POLYMER) □ BC 40 □ BC 77 □ BECKAMINE 21-511 □ BECKAMINE NF 5 □ BECKAMINE P 136 □ BECKAMINE P 138 □ BECKAMINE P 138-60 □ BECKAMINE P 196M □ BEETLE 55 □ BEETLE 60 □ BEETLE 65 □ BEETLE 80 □ BEETLE 212-9 □ BEETLE BE 685 □ BEETLE BU 700 □ BEETLE XB 1050 □ BU 700 □ CARBAMOL □ CASCAMITE □ CASCO 5H □ CASCO PR 335 □ CASCO RESIN □ CASCO UL 30 □ CASCO WS 114-79 □ CASCO WS 138-43 □ CASCO WS 138-44 □ CYREZ 933 □ DEPREMOL M □ DIAFORM UR □ DIAKOL DM □ DIAKOL F □ DIAKOL M □ DYNOMIN UI 16 □ DYNOMIN UM 15 □ EPOK U 9048 □ FIBRASET TC □ FORMALDEHYDE COPOLYMER with UREA □ FORMALDEHYDE-UREA CONDENSATE □ FORMALDEHYDE-UREA COPOLYMER □ FORMALDEHYDE-UREA POLYMER □ FORMALDEHYDE-UREA PRECONDENSATE □ FORMALDEHYDE-UREA PREPOLYMER □ FORMALDEHYDE-UREA RESIN □ FORMALIN-UREA COPOLYMER □ GABRITE □ HYGROMULL □ K 0 □ K 17 □ K 17 (POLYMER) □ K385 □ K 8870 □ K 411-02 □ KARBAMOL □ KARBAMOL B/M □ KAURESIN K244 □ KAURIT 285 FL □ KAURIT 420 □ KFS □ KM 2 □ KM 2 (POLYMER) □ KNITTEX TC □ KNITTEX TS □ KOPREZ 87-110 □ KS 11 □ KS 35 □ KS 68M □ KS-M 0.3P □ L 195 □ LAREX □ M 2 □ M 2 (POLYMER) □ M 60 □ M 60 (FORMALDEHYDE POLYMER) □ M 70 □ M 70 (POLYMER) □ MCH 52 □ MELAN 11 □ METHYLOLUREA RESIN □ MF □ MF 1 □ MF 17 □ MF 27 □ MFPS 1 □ MF RESIN □ MIRBANE SU 118K □ MKH 52 □ MOULDRITE A256 □ MPF 2 □ N 50 □ NOXYLIN □ PARAFORMALDEHYDE-UREA POLYMER □ PARAFORMALDEHYDE-UREA RESIN □ PIANIZOL □ PIATHERM □ PIATHERM D □ PLASTOPAL BT □ PLYAMINE HD 1129A □ PLYAMINE P 364BL □ POLY(METHIBIS(HYDROXYMETHYL)-UREYLENE)AMER □ POLYNOXYLIN □ PONOXYLAN □ PR 703-78 □ RESAMIN 155F □ RESAMIN HW 505 □ RESIMENE X 970 □ RESIMENE X 975 □ RESIMENE X 980 □ RESIMINE 975 □ RESINA X □ SFK 70 □ SK 75 □ SK 75V □ S-RESIN AER 20 □ SUMIREZ 614 □ SUMITEKKUSU REJIN 810 □ SUMITEX 260 □

SUMITEX 810 □ SUMITEX NF 113 □ SUMITEX RESIN 810 □ T 101 □ U 963 □ UF 33 □ UF 240 □ UFORMITE 700 □ UFORMITE F 240N □ UKS 72 □ UKS 73 □ ULOID 22 □ ULOID 100 □ ULOID 301 □ UL 52R □ UMALUR □ UM-G □ URALITE □ URALITE (POLYMER) □ URAMINE T101 □ URAMINE T105 □ URAMINE TSL 58 □ URAMITE □ UREA-FORMALDEHYDE ADDUCT □ UREA-FORMALDEHYDE CONDENSATE □ UREA-FORMALDEHYDE COPOLYMER □ UREA-FORMALDEHYDE OLIGOMER □ UREA-FORMALDEHYDE POLYMER □ UREA-FORMALDEHYDE PRECONDENSATE □ UREA-FORMALDEHYDE PREPOLYMER □ UREA-FORMALDEHYDE RESIN □ UREAPAP W □ URECOLI S □ URECOLL K □ URECOLL KL □ URELIT C □ URELIT HM □ URELIT R □ UREPRET □ UROFIX □ UST □ W 70 □ YUBAN 10HV □ YUBAN 10S

TOXICITY DATA with REFERENCE:

dnd-esc 3000 ppm EESADV 2,133,78
 orl-rat LD50:8394 mg/kg GISAAA 24(5),71,59
 orl-mus LD50:6361 mg/kg GISAAA 24(5),71,59
 orl-gpg LD:>2320 mg/kg ANTCAO 11,205,61

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UTU550 CAS: 9002-13-5 HR: 3 UREASE

SYN: JACK BEAN UREASE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:48 mg/kg AJPHAP 206,731,64
 ivn-rat LD50:20 mg/kg AJPHAP 206,731,64
 ipr-mus LD50:50 mg/kg AJPHAP 206,731,64
 scu-mus LD50:58 mg/kg AJPHAP 206,731,64
 ipr-rbt LD50:25 mg/kg AJPHAP 206,731,64

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UTU600 CAS: 21351-39-3 HR: 3 UREA, SULFATE (1:1)

mf: CH₄N₂O•H₂O₄S mw: 158.15

SYNS: ENQUIK □ MONOCARBAMIDE DIHYDROGEN SULFATE □ MONOUREA SULFURIC ACID ADDUCT

TOXICITY DATA with REFERENCE:

orl-rat LD50:350 mg/kg FMCHA2 -,C124,91
 skn-rbt LD50:>2 g/kg FMCHA2 -,C124,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UTU700 CAS: 129927-33-9 HR: D URESAN

mf: C₂₄H₃₅N₃O₃•ClH mw: 422.06

SYNS: BENZENEACETIC ACID, α-CYCLOHEXYL-α-HYDROXY-, (4-DIETHYLAMINO)-1,1-DIMETHYL-2-BUTENYL ESTER, HYDROCHLORIDE □ (+)-4-DIETHYLAMINO-1,1-DIMETHYL-BUT-2-YN-1-YL-2-CYCLOHEXYL-2-HYDROXY-2-PHENYL-ACETATE HCL H2O □ NS-21

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

UVA000 CAS: 51-79-6 HR: 3 URETHANE

mf: C₃H₇NO₂ mw: 89.11
 CH₃CH₂OCO•NH₂

PROP: Colorless, odorless crystals, prisms from C₆H₆ or toluene with cooling, saline taste. Mp: 49°, bp: 103° @ 54 mm, d: 1.107, vap press: 10 mm @ 77.8°, vap d: 3.07.

Very sol in H₂O, EtOH, Et₂O, CHCl₃, and C₆H₆; spar sol in ligroin.

SYNS: A 11032 □ AETHYLCARBAMAT (GERMAN) □ AETHYLURETHAN (GERMAN) □ CARBAMIC ACID, ETHYL ESTER □ CARBAMIDSAEURE-AETHYLESTER (GERMAN) □ ESTANE 5703 □ ETHYL CARBAMATE □ ETHYLURETHAN □ ETHYL URETHANE □ o-ETHYLURETHANE □ LEUCETHANE □ LEUCOTHANE □ NSC 746 □ PRACARBAMIN □ PRACARBAMINE □ RCRA WASTE NUMBER U238 □ U-COMPOUND □ URETAN ETYLOWY (POLISH) □ URETHAN

TOXICITY DATA with REFERENCE:

dnd-hmn:fbr 3 mmol/L ENMUDM 7,267,85
 sce-hmn:lym 10 μmol/L MUREAV 89,75,81
 otr-mus:emb 1100 μmol/L MUREAV 152,113,85
 ipr-rat TDLo:500 mg/kg (19D preg):ETA,TER CNREA8 30,2552,70
 orl-mus TDLo:12 g/kg/15D-C:CAR TUMOAB 53,81,67
 ipr-mus TDLo:2500 mg/kg (7-11D preg):NEO,TER IARCCD 4,14,73
 ipr-mus TDLo:500 mg/kg (19D preg):NEO,TER CNREA8 38,137,78
 scu-mus TDLo:1 g/kg (11D preg):CAR,TER CALEDQ 18,131,83
 scu-mus TDLo:1000 mg/kg (15D preg):CAR,TER CNREA8 34,2217,74
 scu-mus TDLo:200 mg/kg:NEO,TER CNREA8 34,2217,74
 ivn-mus TDLo:1000 mg/kg (18D preg):NEO,TER JNCIAM 8,63,47
 ivn-mus TDLo:1 g/kg CNREA8 22,299,62
 unr-mus TDLo:1 g/kg (17D preg):ETA,TER BCSTB5 2,710,74
 ipr-mus TD:1000 mg/kg (18D preg):NEO,TER JNCIAM 8,63,47
 orl-rat LD50:1809 mg/kg CALEDQ 57,37,91
 ipr-rat LD50:1500 mg/kg CNREA8 26,1448,66
 scu-rat LDLo:1800 mg/kg AEPPAE 182,348,36
 ims-rat LD50:1400 mg/kg ZKKOBW 84,227,75
 orl-mus LD50:2500 mg/kg ARZNAD 9,595,59
 ipr-mus LD50:1539 mg/kg PMRSDJ 1,682,81
 scu-mus LD50:1750 mg/kg GANNA2 63,731,72
 ivn-mus LD50:500 mg/kg APJUA8 5,43,55
 par-mus LDLo:1000 mg/kg NCISA* PH-43-62-483
 ivn-rbt LDLo:2000 mg/kg 27ZIAQ -,272,73

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Animal Sufficient Evidence IMEMDT 7,111,74. Community Right-To-Know List. Reported in EPA TSCA Inventory. EPA Genetic Toxicology Program.

DFG MAK: Animal Carcinogen, Suspected Human Carcinogen

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

tumorigenic data. A transplacental carcinogen. Moderately toxic by ingestion, intraperitoneal, subcutaneous, intramuscular, parenteral, and intravenous routes. An experimental teratogen. Experimental reproductive effects. Human mutation data reported. Causes depression of bone marrow and occasionally focal degeneration in the brain. Can also produce central nervous system depression, nausea and vomiting. Has been found in over 1000 beverages sold in the United States. The most heavily contaminated liquors are bourbons, sherries, and fruit brandies (some had 1000 to 12,000 ppb urethane). Many whiskeys, table and dessert wines, brandies, and liqueurs contain potentially hazardous amounts of urethane. The allowable limit for urethane in alcoholic beverages is 125 ppb. It is formed as a side product during processing.

Hot aqueous acids or alkalis decompose urethane to ethanol, carbon dioxide, and ammonia. Reacts with phosphorus pentachloride to form an explosive product. When heated it emits toxic fumes of NO_x. Used as an intermediate in the manufacture of pharmaceuticals, pesticides, and fungicides. See also CARBAMATES.

UVA150 CAS: 2611-61-2 HR: D
URFAMICIN HYDROCHLORIDE

mf: C₁₄H₁₈Cl₂N₂O₆S•ClH mw: 449.76

SYNS: NEOMYSON G HYDROCHLORIDE □ THIAMPHENICOL GLYCINATE HYDROCHLORIDE □ THIOPHENICOL GLYCINATE HYDROCHLORIDE □ TPG HYDROCHLORIDE

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of SO_x, NO_x, and HCl. See also ESTERS.

UVA400 CAS: 69-93-2 HR: D
URIC ACID

mf: C₅H₄N₄O₃ mw: 168.13

PROP: Odorless, tasteless, rhombic prisms or plates. Sol in alkalis and glycerol; spar sol in mineral acids; very spar sol in H₂O; insol in EtOH and Et₂O.

SYNS: LITHIC ACID □ 1H-PURINE-2,6,8(3H)-TRIONE, 7,9-DIHYDRO-(9CI) □ 2,6,8-TRIHYDROXYPURINE □ 2,6,8-TRIOXOPURINE □ 2,6,8-TRIOXYPURINE

TOXICITY DATA with REFERENCE:

oth-hmn:lyms 10 mmol/L CYTBAI 4,87,71

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UVJ000 CAS: 58-96-8 HR: 1
β-URIDINE

mf: C₉H₁₂N₂O₆ mw: 244.23

PROP: Needles. Mp: 165°. Sol in water.

SYNS: 1-β-d-RIBOFURANOSYLURACIL □ URACIL RIBOSIDE □ URIDINE

TOXICITY DATA with REFERENCE:

dnd-mam:lym 100 mmol/L PNASA6 48,686,62

ipr-mus LD50:5100 mg/kg RPTOAN 40,66,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UVJ400 CAS: 1470-35-5 HR: 3
URIDION

mf: C₁₅H₉BrO₂ mw: 301.15

SYNS: 5-BROMO-2-PHENYLINDAN-1,3-DIONE □ 5-BROMO-2-PHENYL-1,3-INDANDIONE □ 5-BROMO-2-PHENYL-1H-INDENE-1,3(2H)-DIONE □ 2-FENIL-5-BROMO-INDANDIONE (ITALIAN)

TOXICITY DATA with REFERENCE:

orl-rat LD50:150 mg/kg ARZNAD 24,1609,74

orl-mus LD50:200 mg/kg BCFAAI 112,401,73

ipr-mus LD50:120 mg/kg ARZNAD 25,873,75

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. An experimental teratogen. Experimental reproductive effects. Promotes the excretion of uric acid in the urine. When heated to decomposition it emits toxic fumes of Br⁻.

UVJ410 CAS: 58-97-9 HR: 2
5'-URIDYLIC ACID

mf: C₉H₁₃N₂O₉P mw: 324.21

SYNS: UMP □ 5'-UMP □ UMP (NUCLEIC ACID) □ URIDINE 5'-(DIHYDROGEN PHOSPHATE) □ URIDINE MONOPHOSPHATE □ URIDINE 5'-MONOPHOSPHATE □ URIDINE PHOSPHATE □ URIDINE 5'-PHOSPHATE □ URIDINE 5'-PHOSPHORIC ACID □ URIDYLIC ACID

TOXICITY DATA with REFERENCE:

ipr-mus LD :>1 g/kg ANYAA9 60,251,54

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

UVJ425 CAS: 3
UROCALUM

PROP: Extracted from *C. salicina. oerst* (NIIRDN 6,96,82).

TOXICITY DATA with REFERENCE:

ipr-rat LD50:370 mg/kg NIIRDN 6,96,82

scu-rat LD50:18,500 mg/kg NIIRDN 6,96,82

orl-mus LD50:24,200 mg/kg NIIRDN 6,96,82

ipr-mus LD50:535 mg/kg NIIRDN 6,96,82

scu-mus LD50:1320 mg/kg NIIRDN 6,96,82

SAFETY PROFILE: Poison by intraperitoneal route. Moderately toxic by subcutaneous route. Mildly toxic by ingestion.

UVJ440 CAS: 104-98-3 HR: 3
UROCANIC ACID

mf: C₆H₆N₂O₂ mw: 138.14

SYNS: IMIDAZOLEACRYLIC ACID □ IMIDAZOLE-4-ACRYLIC ACID □ 5-IMIDAZOLEACRYLIC ACID □ 3-(1H-IMIDAZOL-4-YL)-2-PROPENOIC ACID □ 2-PROPENOIC ACID, 3-(1H-IMIDAZOL-4-YL)-(9CI) □ UROCANIC ACID

TOXICITY DATA with REFERENCE:

dni-hmn:oth 1 mmol/L JIDEAE 65,400,75

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

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

UVJ450 CAS: 396-01-0 HR: 3
UROCAUDAL

mf: $\text{C}_{12}\text{H}_{11}\text{N}_7$ mw: 253.30

PROP: Yellow plates from butanol. Mp: 316° . Also reported as crystals from DMF. Mp: 327° .

SYNS: ADEMINE □ DIREN □ DITAK □ DYREN □ DYRENIUM □ DYTAC □ JATROPUR □ NCI C56042 □ NORIDIL □ NORIDYL □ 6-PHENYL-2,4,7-PTERIDINETRIAMINE □ 6-PHENYL-2,4,7-TRIAMINOPTERIDINE □ PTEROFEN □ PTEROPHENE □ SKF 8542 □ TATURIL □ TERIAM □ TERIDIN □ 2,4,7-TRIAMINO-6-FENILPTERIDINA (ITALIAN) □ 2,4,7-TRIAMINO-6-PHENYLPTERIDINE □ TRIAMPUR □ TRIAMTEREN □ TRIAMTERENE □ TRIAMTERIL □ TRIAMTERIL COMPLEX □ TRI-SPAN □ TRITEREN

TOXICITY DATA with REFERENCE:

otr-ham:emb 25 mg/L ENMUDM 8(Suppl 6),4,86
cyt-ham:lng 2800 $\mu\text{g}/\text{L}$ GMCRCDC 27,95,81
orl-wmn TDLo:42 mg/kg/3W-I:SYS MJAUJ 147,262,87
orl-rat LD50:400 mg/kg YAKUD5 21,775,79
ipr-rat LD50:200 mg/kg YAKUD5 21,775,79
orl-mus LD50:285 mg/kg FRXXBL #2314719
ipr-mus LD50:249 mg/kg NIIRDN 6,519,82
scu-mus LD50:620 mg/kg NIIRDN 6,519,82

SAFETY PROFILE: Poison by ingestion and intraperitoneal routes. Moderately toxic by subcutaneous route. Human systemic effects: body temperature increase, hepatitis. Mutation data reported. When heated to decomposition it emits toxic fumes of NO_x .

UVJ460 CAS: 53-02-1 HR: D
UROCORTISOL

mf: $\text{C}_{21}\text{H}_{34}\text{O}_5$ mw: 366.55

SYNS: BA 2682 □ PREGNAN-20-ONE, 3,11,17,21-TETRAHYDROXY-, (3 α ,5 β ,11 β)- □ TETRAHYDRO F □ TETRAHYDRO-COMPOUND F □ TETRAHYDROCORTISOL □ 5- β -TETRAHYDROCORTISOL □ TETRAHYDROHYDROCORTISONE □ 3- α ,11- β ,17,21-TETRAHYDROXY-5- β -PREGNAN-20-ONE □ 5- β -PREGNAN-20-ONE, 3- α ,11- β ,17,21-TETRAHYDROXY-

TOXICITY DATA with REFERENCE:

add-hmn-lvr 2 mmol/L MUREAV 370,49,1996

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

UVJ475 CAS: 9010-53-1 HR: 2
UROGASTRONE

PROP: Mouse EGF-URO: Heat stable and non-dialyzable. Biological activity stable in boiling water but destroyed by heating in dil acid or alkali. Human EGF-URO, anthelone, anthelone U, uroanthelone, uroenterone. Very sol in water; sol in methanol, ethylene glycol.

SYNS: ANTHELONE U □ EGF-UROGASTRONE □ KUTROL □ UROANTHELONE □ UROENTERONE □ UROGASTRON

TOXICITY DATA with REFERENCE:

ivn-rat LD50:1990 mg/kg NIIRDN 6,96,82

orl-mus LD50:12,600 mg/kg NIIRDN 6,96,82
ipr-mus LD50:5080 mg/kg NIIRDN 6,96,82
ivn-mus LD50:2850 mg/kg NIIRDN 6,96,82
ims-mus LD50:7900 mg/kg NIIRDN 6,96,82

SAFETY PROFILE: Moderately toxic by intravenous route. Mildly toxic by ingestion.

UVS500 CAS: 9039-53-6 HR: D
UROKINASE

SYNS: UROKINASE (ENZYME-ACTIVATING) □ WIN 22005 □ WIN-KINASE

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. Used in the treatment of diseases caused by blood clots.

UVS600 CAS: 116316-70-2 HR: 2
UROROST

mf: $\text{C}_7\text{H}_6\text{O}_6\text{S} \cdot \text{C}_6\text{H}_{12}\text{N}_4$ mw: 358.41

SYN: BENZOIC ACID, 2-HYDROXY-4-SULFO-, COMPD. WITH 1,3,5,7-TETRAAZATRICYCLO(3.3.1.1^{3,7}) DECANE(1:1)

TOXICITY DATA with REFERENCE:

orl-rat LD50:4100 mg/kg GTPZAB 33(3),47,1989
ihl-rat LC50:3075 mg/m³ GTPZAB 33(3),47,1989
orl-mus LD50:2175 mg/kg GTPZAB 33(3),47,1989
ihl-mus LC50:1175 mg/m³ GTPZAB 33(3),47,1989
orl-gpg LD50:1925 mg/kg GTPZAB 33(3),47,1989

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

UVS700 CAS: 24211-81-2 HR: 3
USCHARIN

mf: $\text{C}_{31}\text{H}_{41}\text{O}_8\text{NS}$ mw: 587.79

SYN: USCHARINE

TOXICITY DATA with REFERENCE:

ivn-cat LD50:144 $\mu\text{g}/\text{kg}$ JPETAB 74,223,1942

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

UWJ000 CAS: 125-46-2 HR: 3
USNEIN

mf: $\text{C}_{18}\text{H}_{16}\text{O}_7$ mw: 344.34

SYNS: 2,6-DIACETYL-7,9-DIHYDROXY-8,9b-DIMETHYL-1,3(2H,9bH)-DIBENZOFURANDIONE □ USNIACIN □ USNIC ACID □ USNINIC ACID □ USNINSAEURE (GERMAN)

TOXICITY DATA with REFERENCE:

dnd-esc 20 $\mu\text{mol}/\text{L}$ MUREAV 89,95,81
cyt-mam:oth 3750 $\mu\text{g}/\text{L}$ PHMCAA 12,280,70
ivn-mus LD50:25 mg/kg MEIEDD 10,1414,83
scu-mus LD50:75 mg/kg 85GDA2 9,89,82
ivn-mus LD50:25 mg/kg MEIEDD 10,1414,83
orl-rbt LD50:500 mg/kg ARZNAD 5,507,55

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Poison by subcutaneous and intravenous routes. Moderately toxic by ingestion. Mutation data reported. When heated to decomposition it

emits acrid smoke and fumes. Used as an antibacterial and antimitotic agent.

UWJ100 **CAS: 7562-61-0** **HR: 2**
USNIC ACID, (R)-(8CI)

mf: C₁₈H₁₆O₇ mw: 344.34

PROP: A solid. Mp: 203–204°.

SYNS: 1,3(2H,9bH)-DIBENZOFURANDIONE, 2,6-DIACETYL-7,9-DIHYDROXY-8,9b-DIMETHYL-, (9bR)- □ 3(9bH)-DIBENZOFURANONE, 2,6-DIACETYL-8,9b-DIMETHYL-1,7,9-TRIHYDRO-

XY-, D- □ 3(9bH)-DIBENZOFURANONE, 2,6-DIACETYL-1,7,9-TRIHYDROXY-8,9b-DIMETHYL-, D- □ (+)-USNIC ACID □ d-USNIC ACID □ (+)-USNINIC ACID □ d-USNINIC ACID

TOXICITY DATA with REFERENCE:

orl-mus LD50:838 mg/kg TAKHAA 31,247,72

SAFETY PROFILE: Moderately toxic by ingestion.

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