

K

KAH000 K315

mf: $C_{23}H_{24}N_2O_3 \cdot CH_3SO_4$ mw: 487.59

SYN: 15,16,17,18,19,20-HEXAHYDRO-18-HYDROXY-17-METHOXY-YOHIMBAN PROPIONATE METHANESULFONATE

TOXICITY DATA with REFERENCE:

orl-rat LD50:600 mg/kg AIPTAK 110,20,57

ipr-rat LD50:210 mg/kg AIPTAK 110,20,57

ipr-mus LD50:290 mg/kg AIPTAK 110,20,57

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

HR: 3

TOXICITY DATA with REFERENCE:

uns-ims-mus 12 mg/kg FOBGA8 36,103,1988

scu-rat TDLo:3 mg/kg (female 14D post):REP
NYKZAU 104,7,1994

ipr-mus LDLo:32 mg/kg NRSCDN 44,343,1991

ice-rat TDLo:6.38 μ g/kg/3H TOXIA6 40,149,2002

ivn-mus TDLo:4 mg/kg/10M TOXIA6 40,149,2002

ivn-mus TDLo:18 mg/kg/10M TOXIA6 40,149,2002

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

KAJ000 KABAT

CAS: 40596-69-8

HR: 2

mf: $C_{19}H_{34}O_3$ mw: 310.53

PROP: Amber liquid. Bp: 135 @ 0.06 mm. Solubility in water: 1.39 ppm. Sol in most org solvs.

SYNS: ALTOSID \square ALTOSID IGR \square ALTOSID SR 10 \square ENT 70,460 \square ISOPROPYL(2E,4E)-11-METHOXY-3,7,11-TRIMETHYL-2,4-DODECADIENOATE \square MANTA \square METHOPRENE \square (E,E)-11-METHOXY-3,7,11-TRIMETHYL-2,4-DODECADIENOATE \square ZR 515

TOXICITY DATA with REFERENCE:

dni-oin:ovr 100 μ mol/L ABCHA6 43,1285,79

oms-oin:ovr 100 μ mol/L ABCHA6 43,1285,79

orl-dog LD50:5000 mg/kg EVHPAZ 14,119,76

skn-rbt LD50:3000 mg/kg EVHPAZ 14,119,76

SAFETY PROFILE: Moderately toxic by skin contact. Mildly toxic by ingestion. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.

KAJ500 KAMALIN

CAS: 82-08-6

HR: 2

mf: $C_{30}H_{28}O_8$ mw: 516.58

PROP: Light-yellow prisms from toluene. Mp: 206–207°. Sol in ether, chloroform, alc, benzene, ethyl acetate; sltly sol in glacial acetic acid; practically insol in water.

SYNS: MALLOTOXIN \square ROTTLEIN

TOXICITY DATA with REFERENCE:

orl-rat LDLo:750 mg/kg IJPPAZ 3,168,59

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

KAL000 KANAMYCIN

CAS: 59-01-8

HR: 3

mf: $C_{18}H_{36}N_4O_{11}$ mw: 484.58

PROP: Crystals from EtOH.

SYNS: CANTREX \square 4,6-DIAMINO-2-HYDROXY-1,3-CYCLO-HEXANE-3,6'-DIAMINO-3,6'-DIDEOXYDI- α -D-GLUCOSIDE \square 4,6-DIAMINO-2-HYDROXY-1,3-CYCLOHEXYLENE 3,6'-DIAMINO-3,6'-DIDEOXYDI- α -GLUCOPYRANOSIDE \square KANAMICINA (ITALIAN) \square KANAMYCIN A \square KANAMYTREX \square KANTREX \square KM \square KM (the antibiotic)

TOXICITY DATA with REFERENCE:

dnr-bcs 27 μ g/L WATRAG 14,1613,80

scu-rat TDLo:3600 mg/kg (1-12D preg):TER ANTBAL 13,344,68

ipr-rat LD50:2283 mg/kg NKRZAZ 29(Suppl 2),137,81

ivn-rat LD50:437 mg/kg NKRZAZ 29(Suppl 2),137,81

orl-mus LD50:20,500 mg/kg NKRZAZ 29(Suppl 2),137,81

ipr-mus LD50:794 mg/kg CHTHBK 16,371,71

scu-mus LD50:1350 mg/kg AACHAX -,341,67

ivn-mus LD50:115 mg/kg MIFAAB 11,108,62

ims-mus LD50:54 mg/kg BCFAAI 98,224,59

ivn-rbt LD50:150 mg/kg 85ERAY 1,690,78

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

SAFETY PROFILE: Poison by intravenous and intramuscular routes. Moderately toxic by ingestion, intraperitoneal, and subcutaneous routes. An experimental

KAJ100 KAFFIR LILLY

HR: 1

PROP: These plants have long, thin leaves, many of which may grow in the shape of a fan. The flowers are orange or red and form clusters on a leafless stem. They produce red berries. They are native to Africa, but are grown as houseplants and cultivated outdoors in subtropical climates.

SYN: CLIVIA (VARIOUS SPECIES)

SAFETY PROFILE: The whole plant contains the poison lycorine. Ingestion of large amounts can cause nausea, vomiting, and diarrhea.

KAJ200 I- α -KAINIC ACID

CAS: 487-79-6

HR: 3

mf: $C_{10}H_{15}NO_4$ mw: 213.26

SYNS: DIGENIC ACID \square DIGENIN \square HELMINAL \square KAINIC ACID \square α -KAINIC ACID \square 3-PYRROLIDINEACETIC ACID, 2-CARBOXY-4-ISOPROPENYL- \square 3-PYRROLIDINEACETIC ACID, 2-CARBOXY-4-(1-METHYLETHENYL)-, (2S-(2- α ,3- β ,4- β))-

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

KAM000 CAS: 25389-94-0 HR: 3

KANAMYCIN SULFATE

mf: C₁₈H₃₆N₄O₁₁•H₂O₄S mw: 582.66

PROP: Irregular prisms or crystals. Decomp over wide range above 250°. Very sol in water; insol in common alc and nonpolar solvents.

SYNS: CANTREX □ CRISTALOMICINA □ KAMYCIN □ KAMYNEX □ KANABRISTOL □ KANACEDIN □ KANAMYCIN A SULFATE □ KANAMYCIN MONOSULFATE □ KANAMYCIN SULFATE □ KANAMYTREX □ KANAQUA □ KANASIG □ KANATROL □ KANESCIN □ KANICIN □ KANNASYN □ KANO □ KANTREX □ KANTREXIL □ KANTROX □ KLEBCIL □ OPHTALMOKALIXAN □ OTOKALIXIN □ RESISTOMYCIN (BAYER)

TOXICITY DATA with REFERENCE:

ims-cld TDLo:390 mg/kg;EAR JOPDAB 60,230,62
 orl-rat LD50:>4 g/kg JJANAX 28,415,75
 ipr-rat LD50:3200 mg/kg JJANAX 28,415,75
 ivn-rat LD50:225 mg/kg JJANAX 28,415,75
 orl-mus LD50:17,500 mg/kg DRUGAY 6,173,82
 ipr-mus LDLo:1914 mg/kg AIMDAP 119,493,67
 scu-mus LD50:2150 mg/kg JJANAX 28,415,75
 ivn-mus LD50:180 mg/kg ANTBAL 24,60,79
 ims-mus LDLo:1914 mg/kg AIMDAP 119,493,67
 ivn-rbt LD50:550 mg/kg JJANAX 28,415,75

SAFETY PROFILE: A poison by intravenous route. Moderately toxic by intraperitoneal, subcutaneous, and intramuscular routes. Human systemic effects: hearing acuity changes. When heated to decomposition it emits very toxic NO_x and SO_x. See also KANAMYCIN SULFATE (1:1) SALT.

KAV000 CAS: 25389-94-0 HR: 3

KANAMYCIN SULFATE (1:1) SALT

mf: C₁₈H₃₆N₄O₁₁•H₂O₄S mw: 582.66

PROP: Irregular prisms. Decomp above 250°, very sol in water, insol in common alcs and nonpolar solvents.

SYNS: CANTREX □ CRISTALOMICINA □ KAMYCIN □ KAMYNEX □ KANABRISTOL □ KANACEDIN □ KANAMYCIN A SULFATE □ KANAMYCIN MONOSULFATE □ KANAMYCIN SULFATE □ KANAMYTREX □ KANAQUA □ KANASIG □ KANATROL □ KANESCIN □ KANNASYN □ KANO □ KANTREX □ KANTREXIL □ KANTROX □ KLEBCIL □ OPHTALMOKALIKAN □ OTOKALIXIN □ RESISTOMYCIN (BAYER)

TOXICITY DATA with REFERENCE:

ims-chd TDLo:390 mg/kg;EAR JOPDAB 60,230,62
 ipr-rat LD50:3200 mg/kg JJANAX 28,415,75
 ivn-rat LD50:225 mg/kg JJANAX 28,415,75
 orl-mus LD50:17,500 mg/kg
 NIIRDN 6,173,82
 ipr-mus LD50:1648 mg/kg 85ERAY 1,690,78
 scu-mus LD50:1648 mg/kg 85ERAY 1,690,78
 ivn-mus LD50:240 mg/kg NIIRDN 6,173,82
 ims-mus LD50:1190 mg/kg NIIRDN 6,173,82
 ivn-rbt LD50:550 mg/kg JJANAX 28,415,75

SAFETY PROFILE: Poison by intravenous route. Moderately toxic by subcutaneous, intraperitoneal, and intramuscular routes. Mildly toxic by ingestion. Human systemic effects by intramuscular route: hearing acuity changes. An experimental teratogen. An FDA proprietary drug. Used as an antibacterial agent. When heated to decomposition it emits very toxic fumes of NO_x and SO_x.

KBA100 CAS: 29701-07-3 HR: 3

KANENDOMYCIN SULFATE

mf: C₁₈H₃₇N₅O₁₀•H₂O₄S mw: 581.68

SYNS: o-3-AMINO-3-DEOXY-α-d-GLUCOPYRANOSYL-(1-6)-o-(2,6-DIAMINO-2,6-DIDEOXY-α-d-GLUCOPYRANOSYL-(1-4))-2-DEOXY-d-STREPTAMINE SULFATE (1:1) □ AMINODEOXY-KANAMYCIN SULFATE □ BEKANAMYCIN SULFATE □ KANAMYCIN B SULFATE □ KANAMYCIN B, SULFATE (1:1) (SALT)

TOXICITY DATA with REFERENCE:

ipr-rat LD50:1400 mg/kg NIIRDN 6,742,82
 scu-rat LD50:1900 mg/kg NIIRDN 6,742,82
 ivn-rat LD50:141 mg/kg NIIRDN 6,742,82
 ims-rat LD50:1420 mg/kg NIIRDN 6,742,82
 ipr-mus LD50:760 mg/kg NIIRDN 6,742,82
 scu-mus LD50:740 mg/kg NIIRDN 6,742,82
 ivn-mus LD50:112 mg/kg NIIRDN 6,742,82
 ims-mus LD50:628 mg/kg NIIRDN 6,742,82

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

KBB600 CAS: 1332-58-7 HR: 1

KAOLIN

PROP: Fine white to light-yellow powder; earth taste.

Insol in ether, alc, dil acids, and alkali solutions.

SYNS: ALTOWHITES □ BENTONE □ CONTINENTAL □ DIXIE □ EMATHLITE □ FITROL □ FITROL DESICCATE 25 □ GLOMAX □ HYDRITE □ KAOPAUS □ KAOPHILLS-2 □ LANGFORD □ MCNAMEE □ PARCLAY □ PEERLESS □ SNOW TEX

TOXICITY DATA with REFERENCE:

OSHA PEL: TWA Total Dust: 10 mg/m³; Respirable Fraction: 5 mg/m³

ACGIH TLV: TWA 2 mg/m³; Respirable Fraction; Not Classifiable as a Human Carcinogen

SAFETY PROFILE: A nuisance dust.

KBB700 CAS: 33878-50-1 HR: 2

KARAKHOL

mf: C₁₈H₁₇Cl₂NO₃ mw: 366.26

SYNS: ALANINE, N-BENZOYL-N-(3,4-DICHLOROPHENYL)-, ETHYLESTER, 1- □ 1-N-BENZOYL-N-(3,4-DICHLOROPHENYL)ALANINE ETHYL ESTER □ WL 17731

TOXICITY DATA with REFERENCE:

orl-mus LD50:716 mg/kg 28ZEAL 5,24,1976

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

KBB800 CAS: 21800-49-7 HR: 3

KARATAVIC ACIDmf: C₂₄H₂₈O₅ mw: 396.52**SYNS:** CARATAVINKOVIC ACID □ 5-CYCLOUNDECENE-1-CARBOXYLIC ACID, 1,5-DIMETHYL-9-METHYLENE-2-((2-OXO-2H-1-BENZOPYRAN-7-YL) OXY)- □ (+)-KARATAVIC ACID**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:204 mg/kg RRESA8 12,259,1976

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**KBK000 CAS: 9000-36-6 HR: 1**
KARAYA GUM**PROP:** Dried exudate of the tree *Sterculia urens* Roxburgh (Fam. *Sterculiaceae*). Fine, white powder; slt odor of acetic acid. Insol in alc; swells in water to a gel.**SYNS:** GUM STERculIA □ STERculIA GUM**TOXICITY DATA with REFERENCE:**

orl-rat LD50:9100 mg/kg FDRLI* 124,-,76

orl-mus LD50:8200 mg/kg FDRLI* 124,-,76

orl-rbt LD50:6400 mg/kg FDRLI* 124,-,76

orl-ham LD50:6900 mg/kg FDRLI* 124,-,76

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Very mildly toxic by ingestion. A mild allergen.**KBU000 CAS: 39472-31-6 HR: 3**
KARMINOMYCIN**SYNS:** CARMINOMYCIN □ o-DEMETHYLDAUNOMYCIN**TOXICITY DATA with REFERENCE:**

mmo-sat 1 µg/plate ENMUDM 7,129,85

oms-rat:lvrr 4870 pmol/L CNREA8 40,387,80

ivn-hmn TDLo:12 mg/kg/5D:BLD,CNS,GIT CTRRDO 61,1705,77

ivn-man TDLo:1071 µg/kg/17D:CNS,GIT,CVS VOONAW 25(2),63,79

ipr-rat LD50:1550 µg/kg ANTBAL 24,218,79

ivn-rat LD50:1600 µg/kg ANTBAL 23,1005,78

orl-mus LD50:7300 µg/kg CTRRDO 61,1705,77

ipr-mus LD50:1100 µg/kg ANTBAL 20(10),897,75

scu-mus LD50:2500 µg/kg ANTBAL 21,1030,76

ivn-mus LD50:3200 µg/kg ANTBAL 23,1005,78

orl-dog LD50:2700 µg/kg CTRRDO 63,899,79

ivn-dog LDLo:600 µg/kg CTRRDO 63,899,79

orl-mky LD50:288 mg/kg DCTODJ 4,383,81

SAFETY PROFILE: Poison by ingestion, intravenous, intraperitoneal, and subcutaneous routes. Human systemic effects by intravenous route: anorexia, hallucinations and distorted perceptions, thrombosis, nausea or vomiting, fatty liver degeneration, impaired liver function, endocrine changes, and leukopenia (reduced white blood cell count). An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke and fumes.**KCA000 CAS: 52794-97-5 HR: 3**
KARMINOMYCIN HYDROCHLORIDE
PROP: Red crystals.**SYN:** CARMINOMYCIN HYDROCHLORIDE**TOXICITY DATA with REFERENCE:**

mmo-sat 400 ng/plate ENMUDM 8,797,86

orl-rat LD50:23,000 µg/kg ANTBAL 23,128,78

ivn-rat LD50:860 µg/kg ANTBAL 23,128,78

orl-mus LD50:7300 µg/kg ANTBAL 23,128,78

ivn-mus LD50:3400 mg/kg ANTBAL 27,57,82

orl-dog LD50:3000 µg/kg ANTBAL 23,128,78

ivn-dog LD50:1000 µg/kg ANTBAL 23,128,78

orl-rbt LD50:12,000 µg/kg ANTBAL 23,128,78

ivn-rbt LD50:1500 µg/kg ANTBAL 23,128,78

orl-gpg LD50:3000 µg/kg ANTBAL 23,128,78

ivn-gpg LD50:1400 µg/kg ANTBAL 23,128,78

SAFETY PROFILE: Poison by ingestion and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic fumes of HCl. See also KARMINOMYCIN.**KCA050 CAS: 68916-95-0 HR: 2**
KARO KAROUNDE ABSOLUTE**SYN:** OILS, KARO-KAROUNDE**TOXICITY DATA with REFERENCE:**

orl-mus LD50:1400 mg/kg FCTOD7 30,61S,92

skn-gpg LDLo:5 g/kg FCTOD7 30,61S,92

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Moderately toxic by ingestion. Low toxicity by skin contact. When heated to decomposition it emits acrid smoke and irritating vapors.**KCA100 HR: 2**
KASH, LEAF EXTRACT**PROP:** Indian plant belonging to the family *Taxaceae* (IJMRAQ 57,237,69).**SYNS:** BIRMI, LEAF EXTRACT □ DINGSABLCH, LEAF EXTRACT □ TAXUS BACCATA LINN., LEAF EXTRACT**TOXICITY DATA with REFERENCE:**

ipr-rat LDLo:700 mg/kg THERAP 19,1021,64

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects.**KCA200 CAS: 6980-18-3 HR: 1**
KASUGAMYCINmf: C₁₄H₂₅N₃O₉ mw: 379.42**SYNS:** d-CHIRO-INOSITOL, 3-O-(2-AMINO-4-((CARBOXY-IMINOMETHYL)AMINO)-2,3,4,6-TETRADEOXY-α-d-ARABINO-HEXOPYRANOSYL)- □ KASUMINL □ KSM**TOXICITY DATA with REFERENCE:**

orl-rat LD50:11,400 mg/kg SCIEAS 36(1-4),10,89

skn-rat LD50:>4 g/kg PEMNDP 9,515,91

orl-mus LD50:21 g/kg PEMNDP 9,515,91

skn-mus LD50:>10 g/kg PEMNDP 9,515,91

orl-qal LD50:>4 g/kg PEMNDP 9,515,91

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_x.

KCK000 CAS: 19408-46-9 HR: 2**KASUGAMYCIN HYDROCHLORIDE**mf: $C_{14}H_{25}N_3O_9 \cdot ClH$ mw: 415.88**PROP:** Plates. Mp: 206–210° (decomp).**SYNS:** KASUGAMYCIN MONOHYDROCHLORIDE □ KASUMIN**TOXICITY DATA with REFERENCE:**

orl-rat LD50:22 g/kg JPIFAN (10),66,72

orl-mus LD50:20,500 mg/kg JJANAX 21,206,68

ipr-mus LD50:7600 mg/kg AACHAX -,225,69

scu-mus LD50:12 g/kg JJANAX 21,206,68

ivn-mus LD50:3850 mg/kg AACHAX -,225,69

SAFETY PROFILE: Moderately toxic by intravenous route. When heated to decomposition it emits very toxic fumes of HCl and NO_x. See also other kasugamycin entries.**KCU000 CAS: 101651-86-9 HR: 1****KASUGAMYCIN PHOSPHATE**mf: $C_{14}H_{25}N_3O_9 \cdot xH_3O_4P$ mw: 1065.42**TOXICITY DATA with REFERENCE:**

orl-mus LD50:21 g/kg JJANAX 21,206,68

ipr-mus LD50:12,500 mg/kg JJANAX 21,206,68

scu-mus LD50:13,500 mg/kg JJANAX 21,206,68

ivn-mus LD50:5400 mg/kg JJANAX 21,206,68

SAFETY PROFILE: Mildly toxic by ingestion and intravenous routes. When heated to decomposition it emits very toxic fumes of PO_x and NO_x. See also other kasugamycin entries.**KDA000 CAS: 78822-08-9 HR: 1****KASUGAMYCIN SULFATE**mf: $C_{14}H_{25}N_3O_9 \cdot H_2O_4S$ mw: 477.50**TOXICITY DATA with REFERENCE:**

orl-rat LD50:22 g/kg JJANAX 21,206,68

ipr-rat LD50:12 g/kg JJANAX 21,206,68

scu-rat LD50:15,500 mg/kg JJANAX 21,206,68

ivn-rat LD50:4900 mg/kg JJANAX 21,206,68

orl-mus LD50:20,700 mg/kg JJANAX 21,206,68

ipr-mus LD50:10 g/kg JJANAX 21,206,68

scu-mus LD50:12 g/kg JJANAX 21,206,68

ivn-mus LD50:5500 mg/kg JJANAX 21,206,68

scu-dog LD50:10,500 mg/kg JJANAX 21,206,68

ivn-dog LD50:4500 mg/kg JJANAX 21,206,68

scu-rbt LDLo:9200 mg/kg JJANAX 21,206,68

ivn-rbt LD50:4500 mg/kg JJANAX 21,206,68

SAFETY PROFILE: Mildly toxic by ingestion and several other routes. When heated to decomposition it emits very toxic fumes of SO_x and NO_x. See also other kasugamycin entries.**KDA012 CAS: 63091-06-5 HR: 2****KATAPOL VP-532****TOXICITY DATA with REFERENCE:**

skn-rbt 500 µL/24H SEV NTIS** OTS0534766

eye-rbt 100 µL/24H SEV NTIS** OTS0534766

SAFETY PROFILE: A severe skin and eye irritant. When heated to decomposition it emits acrid smoke and irritating vapors.**KDA025 CAS: 11121-08-7 HR: 2****KATEXOL 300****TOXICITY DATA with REFERENCE:**

skn-rbt 500 mg/24H SEV 28ZPAK -,281,72

eye-rbt 50 µg/24H SEV 28ZPAK -,281,72

orl-rat LD50:2390 mg/kg 28ZPAK -,281,72

SAFETY PROFILE: Moderately toxic by ingestion. A severe eye and skin irritant.**KDA035 HR: D****KATHON BIOCID****PROP:** Containing a mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (MUREAV 118,129,83).**SYN:** KATHON MW 886 BIOCID**TOXICITY DATA with REFERENCE:**

mma-sat 268 ng/plate MUREAV 118,129,83

msc-mus:lym 198 µg/L MUREAV 118,129,83

SAFETY PROFILE: Mutation data reported. An antimicrobial agent. When heated to decomposition it emits toxic fumes of Cl₂, SO_x, and NO_x.**KDA050 CAS: 89-63-4 HR: 3****KAYAKU FAST RED 3GL BASE**mf: $C_6H_5ClN_2O_2$ mw: 172.58**SYNS:** ANILINE, 4-CHLORO-2-NITRO- □ AZOENE FAST RED 3GL BASE □ AZOIC DIAZO COMPONENT 9 □ BENZEN-AMINE, 4-CHLORO-2-NITRO-(9CI) □ p-CHLORO-o-NITRO-ANILINE □ 4-CHLORO-2-NITROANILINE □ 4-CHLORO-2-NITROBENZENAMINE □ C.I. 37040 □ C.I. AZOIC DIAZO COMPONENT 9 □ DAITO RED BASE 3GL □ DEVOL RED F □ DIAZO FAST RED 3GL □ FAST RED BASE 3GL SPECIAL □ FAST RED BASE 3JL □ FAST RED 3GL SPECIAL BASE □ FAST RED 3GL BASE □ FAST RED 2NC BASE □ HILTONIL FAST RED 3GL BASE □ MITSUI RED 3GL BASE □ NAPHTHANIL RED 3G BASE □ NAPHTOELAN FAST RED 3GL BASE □ NCI-C60355 □ 2-NITRO-4-CHLOROANILINE □ PCON □ PCONA □ RED BASE CIBA VI □ RED BASE 3 GL □ RED BASE IRGA VI □ RED 3G BASE □ SHINNIPPON FAST RED 3GL BASE**TOXICITY DATA with REFERENCE:**

mma-sat 33 µg/plate ENMUDM 5(Suppl 1),3,83

cyt-ham:ovr 302 mg/L EMMUEG 10(Suppl 10),1,87

sce-ham:ovr 20 mg/L EMMUEG 10(Suppl 10),1,87

orl-rat LD50:400 mg/kg TSCAT* OTS 206512

ipr-rat LD50:200 mg/kg TSCAT* OTS 206512

orl-mus LD50:800 mg/kg TSCAT* OTS 206512

ipr-mus LD50:200 mg/kg TSCAT* OTS 206512

ivn-mus LD50:63 mg/kg CBCCT* 6,139,54

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.**SAFETY PROFILE:** Poison by ingestion, intraperitoneal, and intravenous routes. Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x and Cl₂.**KDA075 CAS: 5124-25-4 HR: 1****KAYALON FAST YELLOW YL**mf: $C_{18}H_{15}N_3O_4S$ mw: 369.42

SYNS: AMACEL YELLOW CW □ AMACEL YELLOW LS □ ARTISIL YELLOW FL □ BELACYL FAST YELLOW W □ BELLECHEM ESTRACYL YELLOW W □ BENZENESULFON-AMIDE, 3-NITRO-N-PHENYL-4-(PHENYLAMINO)- □ CELLITON FAST YELLOW GGLL-CF □ C.I. 10338 □ CIBACET YELLOW GWL □ CIBACET YELLOW GWN □ C.I. DISPERSE YELLOW 37 □ C.I. DISPERSE YELLOW 42 □ DIACELLITON FAST YELLOW YLP □ DIANIX YELLOW YL □ DISPERSE YELLOW GWL □ DISPERSE YELLOW POLYESTER □ DISPERSOL FAST YELLOW T □ DISPERSOL YELLOW C-T □ ESTEROQUINONE LIGHT YELLOW 3JLL □ FORON YELLOW SE-FL □ INTERCHEM POLYDYE YELLOW GSFD □ INTERCHEM YELLOW GSF (HDLF) □ KAYALON POLYESTER YELLOW YLF □ KAYALON POLYESTER YELLOW YL-SE □ LATYL YELLOW YL □ LENRA YELLOW CW □ MIKETON FAST YELLOW YL □ MIKETON POLYESTER YELLOW YL □ 3-NITRO-N-PHENYL-4-(PHENYLAMINO)BENZENESULFON-AMIDE □ OSTACET YELLOW SE-LG □ PALANIL YELLOW GE □ POLYDYE DISPERSE YELLOW GSFM □ POLYDYE YELLOW GSFD □ POLYNAL YELLOW G □ SETACYL YELLOW FL □ SETACYL YELLOW P-FL □ SULFANILANILIDE, 3-NITRO-N⁴-PHENYL-(7Cl,8Cl) □ TERASIL YELLOW GWL □ TERSETILE YELLOW GL □ TERTRANESE YELLOW P-GL □ TULASTERON FAST YELLOW G-C

TOXICITY DATA with REFERENCE:

ipr-rat LD50:4850 mg/kg GTPZAB 27(3),52,83

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

**KDA100
KC-404**

mf: C₁₄H₁₈N₂O mw: 230.34

SYN: 3-ISOBUTYRYL-2-ISOPROPYLPYRAZOLO(1,5-a)PYRIDINE

TOXICITY DATA with REFERENCE:

orl-rat LD50:1340 mg/kg KSRNAM 19,5503,85

ipr-rat LD50:419 mg/kg KSRNAM 19,5503,85

scu-rat LD50:1300 mg/kg KSRNAM 19,5503,85

ivn-rat LD50:42,500 µg/kg KSRNAM 19,5503,85

orl-mus LD50:1860 mg/kg KSRNAM 19,5503,85

ipr-mus LD50:460 mg/kg KSRNAM 19,5503,85

scu-mus LD50:3100 mg/kg KSRNAM 19,5503,85

ivn-mus LD50:146 mg/kg KSRNAM 19,5503,85

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

**KDK000
KEL-F**

mf: (C₂ClF₃)_n

SYNS: ACLAR 22A □ ACLAR 33C □ CHLOROTRIFLUORO-ETHENE HOMOPOLYMER □ CHLOROTRIFLUOROETHYLENE POLYMER □ CHLOROTRIFLUOROETHYLENE POLYMERS □ DAIFLOIL 3 □ DAIFLOIL 10 □ DAIFLOIL 20 □ DAIFLOIL 50 □ DAIFLOIL 100 □ DAIFLON CTF3-D 55P □ DAIFLON CTFE □ DAIFLON D 45S □ DAIFLON M 300 □ DAIFLON M 300P □ EKAFLUVIN □ ETHYLENE, CHLOROTRIFLUORO-, POLYMERS (8Cl) □ F 3 □ F 3 (VINYL POLYMER) □ 11 F □ 12 F □ 12FD □ FL-

G 5 □ FL-G 35 □ FL-G 100 □ FL-G 330 □ FLUOROLON 3 □ FLUOROLUBE 2000 □ FLUOROLUBE 300/140 □ FLUOROLUBE FS 5 □ FLUOROLUBE GR 470 □ FLUOROLUBE S 30 □ FLUOROPLAST 3 □ FLUOROPLAST F 3 □ FLUOROPLAST 3P □ FLUOROTHENE □ F 3M □ 13FM □ FTORLON 3 □ FTORLON F3 □ FTORLON 3M □ FTOROPLAST 3 □ FTOROPLAST 3P □ HALAR 200 □ HALOCARBON OIL 11-14 □ HALOCARBON OIL 11-21 □ HALOCARBON OIL 13-21 □ HALON □ HALON (POLYMER) □ HOSTAFLOX □ HOSTAFLOX C □ KEL-F □ KEL-F 3 □ KEL-F 81 □ KEL-F 90 □ KEL-F 200 □ KEL-F 95/5 □ KEL-F 6061 □ KEL-S □ 4LF □ MLO 81-125 □ MLO 83-322 □ NEOSORB ND □ PLASKON CTFE □ POLY(CHLOROTRI-FLUOROETHENE) □ POLY(CHLOROTRIFLUOROETHYLENE) □ POLY(MONOCHLOROTRIFLUOROETHYLENE) □ POLY(TRI-FLUOROCHLOROETHYLENE) □ POLY(TRIFLUOROETHYL-ENE CHLORIDE) □ POLY(TRIFLUOROMONOCHLORO-ETHYLENE) □ POLY(TRIFLUOROVINYL CHLORIDE) □ TEFLEX □ TL 340 □ TRIFLUOROCHLOROETHYLENE POLYMER □ VOLTALEF □ VOLTALEF 202 □ VOLTALEF IS □ VOLTALEF 300LD □ VOLTALEF 300UF

TOXICITY DATA with REFERENCE:

orl-rat LD50:>9200 mg/kg JJATDK 11,51,91

skn-rbt LD:>3700 mg/kg JJATDK 11,51,91

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by skin contact. Low toxicity by ingestion. A relatively inert chloro-fluorocarbon polymer. When heated to decomposition it emits very toxic fumes of Cl⁻ and F⁻.

**KDK700
KELP**

PROF: Dehydrated seaweed, dark green to brown; salty, characteristic taste. From *Macrocystis pyrifera*, *Laminaria digitata*, *Laminaria saccharina*, and *Laminaria cloustoni*.

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

KDU100**KEMAMINE S 190**

mf: C₁₉H₂₉NO₂•ClH mw: 339.95

SYNS: β-DIETHYLAMINOETHYL-2-PHENYLHEXAHYDRO-BENZOATE HYDROCHLORIDE □ 2-PHENYLCYCLOHEXANE-CARBOXYLIC ACID 2-DIETHYLAMINOETHYL ESTER HYDROCHLORIDE □ S 190

TOXICITY DATA with REFERENCE:

orl-rat LDLo:1600 mg/kg APPNAH 1,4,50

scu-rat LDLo:1600 mg/kg APPNAH 1,4,50

ivn-rat LDLo:60 mg/kg APPNAH 1,4,50

ivn-rbt LDLo:20 mg/kg APPNAH 1,4,50

scu-gpg LDLo:267 mg/kg APPNAH 1,4,50

ivn-gpg LDLo:27 mg/kg APPNAH 1,4,50

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

**KEA000
KEPONE**

CAS: 143-50-0

HR: 3

mf: $C_{10}Cl_{10}O$ mw: 490.60

PROP: A chlorinated polycyclic ketone. A crystalline material. Mp: decomp @ 350°. Sltly water-sol; sol in alc, ketones, and acetic acid. Readily hydrates on exposure to room temperature and humidity; normally used as a mono- to trihydrate (NCIBR*).

SYNS: CHLORDECONE □ CIBA 8514 □ COMPOUND 1189 □ 1,2,3,5,6,7,8,9,10,10-DECACHLORO(5.2.1.0^{2,6},0^{3,9},0^{5,8})DECANO-4-ONE □ DECACHLOROKETONE □ DECACHLORO-1,3,4-METHENO-2H-CYCLOBUTA(cd)PENTALEN-2-ONE □ DECACHLOROCTAHYDROKEPONE-2-ONE □ DECA-CHLOROCTAHYDRO-1,3,4-METHENO-2H-CYCLOBUTA-(cd)PENTALEN-2-ONE □ 1,1a,3,3a,4,5,5a,5b,6-DECACHLORO-OCTAHYDRO-1,3,4-METHENO-2H-CYCLOBUTA(cd)PENTALEN-2-ONE □ DECACHLOROPENTACYCLO(5.2.1.0^{2,6},0^{3,9},0^{5,8})-DECAN-4-ONE □ DECACHLOROPENTACYCLO-(5.3.0.0^{2,6}-.0⁴,10,0^{5,9})DECAN-3-ONE □ DECACHLOROTETRACYCLO-DECANONE □ DECACHLOROTETRAHYDRO-4,7-METHAN-OINDENEONE □ ENT 16,391 □ GENERAL CHEMICALS 1189 □ MEREX □ NCI-C00191 □ RCRA WASTE NUMBER U142

TOXICITY DATA with REFERENCE:

spm-qal-ori 200 ppm/42D-C TXAPA9 43,535,78
 ori-rat TDL₀:200 mg/kg/2Y-C:CAR NEOLA4 26,231,79
 ori-mus TDL₀:1200 mg/kg/80W-I:CAR NCITR* NCI-CG-TR-b,76
 ori-rat LD50:95 mg/kg GUCHAZ 6,96,73
 ori-dog LD50:250 mg/kg TXAPA9 45,331,78
 ori-rbt LD50:65 mg/kg PCOC** -,642,66
 skn-rbt LD50:345 mg/kg GUCHAZ 6,96,73

CONSENSUS REPORTS: NTP 10th Report on Carcinogens. IARC Cancer Review: Group 2B IMEMDT 7,56,87; Human Limited Evidence IMEMDT 20,67,79; Animal Sufficient Evidence IMEMDT 20,67,79. EPA Genetic Toxicology Program.

DFG MAK: Confirmed Animal Carcinogen with Unknown Relevance to Humans

NIOSH REL: (Kepone) CL 0.001 mg/m³/15M

SAFETY PROFILE: Confirmed carcinogen with experimental carcinogenic data. Poison by ingestion, skin contact. Experimental teratogenic and reproductive effects. Mutation data reported. Inhalation, absorption, or ingestion by humans can lead to central nervous system, liver, and kidney damage, including bizarre symptoms caused by damage to the nervous system. Usually, the symptoms are tremors, ataxia, skin changes, hyperexcitability, hyperactivity, muscle spasms, testicular atrophy, low sperm count, estrogenic effects, sterility, breast enlargement, liver lesions, and cancer. An insecticide and fungicide. Registration suspended by the USEPA.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Kepone, 5508.

**KEA300 CAS: 10405-02-4 HR: 3
KEPTAN**

mf: $C_{25}H_{30}NO_3 \cdot Cl$ mw: 428.01

PROP: A solid. Mp: 255–257 (decomp).

SYNS: AS XVII □ AZONIASPIRO(3- α -BENZILOYLOXY-NORTROPAN-8,1'-PYRROLIDINE)-CHLORIDE □ AZONIASPIRO COMPOUND XVII □ 8- α -BENZILOYLOXY-6,10-ETHANO-5-AZONIASPIRO(4,5)DECANE CHLORIDE □ 3- α -HYDROXY-

SPIRO(1- α -H,5- α -H-NORTROPAN-8,1'-PYRROLIDINIUM) CHLORIDE BENZILATE □ SPASMEX □ SPASMO 3 □ TROSPIMUM CHLORIDE

TOXICITY DATA with REFERENCE:

ori-rat LD50:1510 mg/kg NIIRDN 6,137,82
 ipr-rat LD50:97,700 μ g/kg NIIRDN 6,137,82
 scu-rat LD50:707 mg/kg NIIRDN 6,137,82
 ivn-rat LD50:15,500 μ g/kg NIIRDN 6,137,82
 idu-rat LDLo:500 mg/kg ARZNAD 25,1037,75
 ori-mus LD50:812 mg/kg NIIRDN 6,137,82
 ipr-mus LD50:50 mg/kg NIIRDN 6,137,82
 scu-mus LD50:203 mg/kg NIIRDN 6,137,82
 ivn-mus LD50:11,200 μ g/kg NIIRDN 6,137,82
 scu-dog LDLo:160 mg/kg OYYAA2 8,199,74
 ori-rbt LDLo:3200 mg/kg OYYAA2 8,199,74
 ivn-rbt LDLo:20 mg/kg OYYAA2 8,199,74

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

**KEA325 CAS: 18719-76-1 HR: 2
KERACYNANIN**

mf: $C_{27}H_{31}O_{15} \cdot Cl$ mw: 631.03

PROP: Black currant extract. Purplish-red liquid, paste or powder having a slight characteristic odor.

SYNS: ANTIRRHININ □ CYANIDINE 3-RUTINOSIDE □ CYANIDIN 3-RHAMNOGLUCOSIDE □ CYANIDIN-3-RHAMNOGLUCOSIDE CHLORIDE □ CYANIDIN 3-RHAMNOSYLGLUCOSIDE □ CYANIDIN 3-RUTINOSIDE □ CYANIDOL 3-RHAMNOGLUCOSIDE □ CYANINOSIDE □ PRUNICYNANIN □ RUTINOSYL-3-CYANIDINE □ SAMBUCIN

TOXICITY DATA with REFERENCE:

cyt-ham-lng 2 g/L MUREAV 147,262,85
 ipr-rat LD50:1900 mg/kg USXXAM #4229439

SAFETY PROFILE: Moderately toxic by intraperitoneal route. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits toxic vapors of Cl^- .

**KEA350 CAS: 63659-19-8 HR: 3
KERLONE**

mf: $C_{18}H_{29}NO_3 \cdot ClH$ mw: 343.94

PROP: A solid. Mp: 116°.

SYNS: BETAXOLOL HYDROCHLORIDE □ 1-(4-(2-(CYCLO-PROPYLMETHOXY)ETHYL)PHENOXY)-3-ISOPROPYLAMINO-PROPAN-2-OL HYDROCHLORIDE □ 2-PROPANOL, 1-(4-(2-(CYCLOPROPYLMETHOXY)ETHYL)PHENOXY)-3-((1-METHYL-ETHYL)AMINO)-, HYDROCHLORIDE □ SL-75212 □ SL-D.212

TOXICITY DATA with REFERENCE:

ori-rat LD50:998 mg/kg YACHDS 18(Suppl 7),1621,90
 scu-rat LD50:389 mg/kg YACHDS 18(Suppl 7),1621,90
 ivn-rat LD50:27,400 μ g/kg YACHDS 18(Suppl 7),1621,90
 ori-mus LD50:48 mg/kg LMS6D 1,43,83
 ivn-mus LD50:37 mg/kg USXXAM #4252984

SAFETY PROFILE: Poison by ingestion and intravenous routes. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of NO_x and HCl .

KEK000 CAS: 8008-20-6 HR: 3**KEROSENE****DOT:** UN 1223

PROP: A pale-yellow to water-white, oily liquid. Bp: 175–325°, ULC: 40, flash p: 150–185°F, d: 0.80 to <1.0, lel: 0.7%, uel: 5.0%, autoign temp: 410°F, vap d: 4.5. Insol in water; misc with other pet solvents. A mixture of petroleum hydrocarbons, chiefly of the methane series having from 10–16 carbon atoms per molecule.

SYNS: COAL OIL □ DEOBASE □ KEROSINE □ KEROSENE (petroleum) □ STRAIGHT-RUN KEROSENE

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg SEV JACTDZ 1,30,90
 mmo-sat 25 µL/plate CBTOE2 2,63,86
 orl-man TDLo:3570 mg/kg:PUL,GIT,MET TORAAK 15,263,66
 orl-man LDLo:500 mg/kg YAKUD5 22,883,80
 ivn-man TDLo:403 mg/kg:CNS CTOXAO 10,283,77
 unr-man LDLo:1176 mg/kg 85DCAI 2,73,70
 orl-rat LD50:>5 g/kg JACTDZ 1,30,90
 ihl-rat LC50:>5 g/m³/4H JACTDZ 1,30,90
 ipr-rat LDLo:10,700 mg/kg TXAPA9 1,156,59
 itr-rat LDLo:800 mg/kg TXAPA9 1,462,59
 orl-dog LDLo:4 g/kg AJMSA9 221,531,51
 ivn-dog LDLo:200 mg/kg AJMSA9 221,531,51
 itr-dog LDLo:800 mg/kg AJMSA9 221,531,51
 orl-rbt LD50:28 g/kg TXAPA9 3,689,61
 ipr-rbt LD50:6600 mg/kg AIMEAS 21,803,44
 ivn-rbt LD50:180 mg/kg AIMEAS 21,803,44
 itr-rbt LD50:200 mg/kg TXAPA9 3,689,61
 orl-gpg LD50:20 g/kg AIMEAS 21,803,44

CONSENSUS REPORTS: IARC Cancer Review: Group 2A IMEMDT 45,39,89; Animal Limited Evidence IMEMDT 45,39,89. Reported in EPA TSCA Inventory.

ACGIH TLV: 200 mg/m³ (skin); Confirmed Animal Carcinogen

NIOSH REL: (Kerosene) TWA 100 mg/m³

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: Suspected carcinogen. Poison by intravenous and intratracheal routes. Moderately toxic to animals by ingestion. A severe skin irritant. Mutation data reported. Human systemic effects by ingestion and intravenous routes: somnolence, hallucinations and distorted perceptions, coughing, nausea or vomiting, and fever. Aspiration of vomitus can cause serious pneumonitis, particularly in young children. Combustible when exposed to heat or flame; can react with oxidizing materials. Moderately explosive in the form of vapor when exposed to heat or flame. When heated to decomposition it emits acrid smoke and fumes. To fight fire, use foam, CO₂, dry chemical.

ANALYTICAL METHOD: For occupational chemical analysis use NIOSH: Naphthas, 1550.

KEK100 CAS: 64742-47-8 HR: 3**KEROSENE (PETROLEUM), hydrotreated****SYN:** HYDROTREATED KEROSENE**CONSENSUS REPORTS:** IARC Cancer Review:

Animal Limited Evidence IMEMDT 45,39,89. Reported in EPA TSCA Inventory.

SAFETY PROFILE: Suspected carcinogen. A combustible liquid. When heated to decomposition it emits acrid smoke and irritating vapors.

KEK110 CAS: 64742-81-0 HR: 1**KEROSINE, HYDRODESULFURIZED**

PROP: Amber liquid with an alcohol-like odor. D: 1.13–1.14. Evap rate: Lower than butyl acetate. Emulsifies in water.

SYN: HYDRODESULFURIZED KEROSENE (PETROLEUM)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/24H MOD JACTDZ 1,31,90
 orl-rat LD:>5 g/kg JACTDZ 1,31,90
 ihl-rat LC:>5 g/m³/4H JACTDZ 1,31,90
 skn-rbt LD:>2 g/kg JACTDZ 1,31,90

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

ACGIH TLV: 200 mg/m³ (skin); Confirmed Animal Carcinogen

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

KEK200 CAS: 6740-88-1 HR: 3**KETAMINE**

mf: C₁₃H₁₆ClNO mw: 237.75

PROP: Crystals from pentane-ether. Mp: 92–93°.

SYNS: 2-(o-CHLOROPHENYL)-2-(METHYLAMINO)-CYCLOHEXANONE □ 2-(METHYLAMINO)-2-(o-CHLOROPHENYL)CYCLOHEXANONE

TOXICITY DATA with REFERENCE:

ipr-mus LD50:400 mg/kg BJANAD 55,457,83
 ivn-mus LD50:77 mg/kg JZKEDZ 1,119,75

SAFETY PROFILE: Poison by intravenous and intraperitoneal routes. An experimental teratogen. A general anesthetic. When heated to decomposition it emits toxic fumes of Cl[−] and NO_x.

KEU000 CAS: 463-51-4 HR: 3**KETENE**

mf: C₂H₂O mw: 42.04
 H₂C=C=O

PROP: Colorless gas with disagreeable taste and pungent odor. Decomp in water. Mp: −150°, bp: −56°, vap d: 1.45. Decomp in alc. Fairly sol in Me₂CO; sol in H₂O, ether, and acetone. IDLH 5 ppm.

SYNS: CARBOMETHENE □ ETHENONE □ KETO-ETHYLENE

TOXICITY DATA with REFERENCE:

ihl-mus LCLo:23 ppm/30M JIHTAB 31,209,49
 ihl-mky LCLo:200 ppm/10M JIHTAB 31,209,49
 ihl-cat LCLo:750 ppm/10M JIHTAB 31,209,49
 ihl-rbt LCLo:53 ppm/2H JIHTAB 31,209,49
 ihl-gpg LCLo:53 ppm/100M JIHTAB 31,209,49

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

OSHA PEL: TWA 0.5 ppm; STEL 1.5 ppm

ACGIH TLV: TWA 0.5 ppm; STEL 1.5 ppm

DFG MAK: 0.5 ppm (0.87 mg/m³)

SAFETY PROFILE: Poison by inhalation. Moderately toxic by ingestion. Can cause pulmonary edema. Reacts with hydrogen peroxide to form the explosive diacetyl peroxide. When heated to decomposition it emits acrid smoke and fumes.

KFA000 CAS: 674-82-8 HR: 3

KETENE DIMER

DOT: UN 2521

mf: C₄H₄O₂ mw: 84.08



PROP: Colorless, nonhygroscopic liquid; pungent odor. Mp: -6.5°, bp: 127.4°, d: 1.0897, vap d: 2.9, flash p: 93°F (TOC). Decomp in water. Insol in water.

SYNS: 3-BUTENO-β-LACTONE □ DIKETENE □ DIKETENE, inhibited (DOT) □ 4-METHYLENE-2-OXETANONE

TOXICITY DATA with REFERENCE:

skn-rbt 20 mg/24H MOD 85JCAE -,301,86

skn-rbt 537 mg IHFCAY 6,1,67

eye-rbt 50 µg/24H SEV 85JCAE -,301,86

eye-rbt 537 mg IHFCAY 6,1,67

orl-rat LD50:560 mg/kg TXAPA9 28,313,74

ihl-rat LCLo:20,000 ppm/1H IHFCAY 6,1,67

ihl-gpg LC50:3 g/m³/2H 85JCAE -,301,86

orl-mus LDLo:800 mg/kg KODAK* 21MAY71

skn-rbt LD50:2830 mg/kg TXAPA9 28,313,74

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

DOT CLASSIFICATION: 3; Label: Flammable Liquid, Poison

SAFETY PROFILE: Moderately toxic by ingestion and skin contact. A skin and severe eye irritant. Flammable when exposed to heat or flame; can react vigorously with oxidizing materials. A violent polymerization reaction is catalyzed by acids, bases, or sodium acetate. A storage hazard. Self-initiated exothermic dimerization is explosive. To fight fire, use alcohol foam. When heated to decomposition it emits acrid smoke and fumes.

KFA100 CAS: 2507-91-7 HR: 3

KETHOXAL-BIS-THIOSEMICARBAZIDE

mf: C₈H₁₆N₆OS₂ mw: 276.42

SYNS: B.W. 356-C-61 □ 356C61 □ CONTRAPAR □ 1,1'-(1-ETHOXYETHYL)ETHANEDIYLIDENE)BIS(3-THIOSEMICARBAZIDE) □ (1-ETHOXYETHYL)GLYOXAL BIS(THIOSEMICARBAZONE) □ 3-ETHOXY-2-OXOBUTYRALDEHYDE BIS(THIOSEMICARBAZONE) □ GLOXAZON □ GLOXAZONE □ HYDRAZINECARBOTHIOAMIDE, 2,2'-(1-(1-ETHOXYETHYL)-1,2-ETHANEDIYLIDENE)BIS □ 2-KETO-3-ETHOXY-BUTYRALDEHYDE-BIS(THIOSEMICARBAZONE) □ KTS (PHARMACEUTICAL) □ NSC-82116 □ U-7726 □ WR 9838

TOXICITY DATA with REFERENCE:

dni-hmn:hla 59 µmol/L MUREAV 92,427,82

ivn-rat LD50:182 mg/kg CHTHBK 13,339,68

ipr-mus LDLo:1000 mg/kg CNCRA6 30,9,63

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by intraperitoneal route. Human mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x.

KFK000 CAS: 469-79-4 HR: 3

KETOBEMIDONE

mf: C₁₅H₂₁NO₂ mw: 247.37

PROP: Crystals. Mp: 201–202°. Sol in H₂O; sltly sol in EtOH.

SYNS: A 21 LUNDBECK □ CETOBEMIDON □ CETO-8BEMIDONE □ CIBA 7115 □ CLIRADON □ CLIRADONE □ CYMIDON □ ETHYL (4-(m-HYDROXYPHENYL)-1-METHYL)-4-PIPERIDYL KETONE □ HOECHST 10720 □ K 4710 □ KETONE, ETHYL 4-(m-HYDROXYPHENYL)-1-METHYLPIPERIDYL □ 1-PROPANONE, 1-(4-(3-HYDROXYPHENYL)-1-METHYL-4-PIPERIDINYL)-(9CI) □ 1-PROPANONE, 1-(4-(m-HYDROXY-PHENYL)-1-METHYL-4-PIPERIDYL)- □ WIN 1539

TOXICITY DATA with REFERENCE:

ivn-rat LD50:10 mg/kg BJPCAL 7,196,52

ivn-mus LD50:14 mg/kg SCIEAS 104,587,46

DOT CLASSIFICATION: 3; Label: Flammable Liquid

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

KFK100 CAS: 65277-42-1 HR: 3

KETOCONAZOLE

mf: C₂₆H₂₈Cl₂H₄O₄ mw: 531.48

PROP: Crystals from 4-methyl-2-pentanone. Mp: 146°.

SYNS: FUNGAREST □ FUNGORAL □ KETOCONAZOL □ KETODERM □ KETOISDIN □ NIZORAL □ ORIFUNGAL M □ PANFUNGOL □ R 41400

TOXICITY DATA with REFERENCE:

dni-hmn:lym 10 mg/L AMACCQ 24,478,83

orl-man LDLo:45 mg/kg/17D-I GUTTAK 26,636,86

orl-wmn LDLo:412 mg/kg/15W-I GUTTAK 26,636,86

orl-wmn LDLo:264 mg/kg/66D-I:LIV GASTAB 86,503,84

orl-cld TDLo:450 mg/kg/90D-I:SYS BMJOAE 293,993,86

orl-man TDLo:49 mg/kg/17D-I:LIV GASTAB 86,503,84

orl-wmn TDLo:60 mg/kg:LIV GASTAB 86,503,84

orl-rat LD50:166 mg/kg MDACAP 17,373,81

ivn-rat LD50:86 mg/kg DRUGAY 23,1,82

orl-mus LD50:618 mg/kg MDACAP 17,373,81

ivn-mus LD50:41,500 µg/kg MDACAP 17,373,81

orl-dog LD50:178 mg/kg MDACAP 17,373,81

SAFETY PROFILE: Poison by ingestion and intravenous routes. Experimental reproductive effects.

Human systemic effects: liver changes, evidence of thyroid hypofunction. Human mutation data reported. Note: May be associated with hepatic toxicity. When heated to decomposition it emits toxic fumes of Cl⁻ and NO_x.

KFK125 CAS: 27046-19-1 HR: D

4-KETOCYCLOPHOSPHAMIDE

mf: C₇H₁₃Cl₂N₂O₃P mw: 275.09

SYNS: ASTA 5160 □ 4H-1,3,2-OXAZOPHOSPHORIN-4-ONE, 2-(BIS(2-CHLOROETHYL)AMINO)TETRAHYDRO-, 2-OXIDE □ 4-OXOCYCLOPHOSPHAMIDE

TOXICITY DATA with REFERENCE:

mic-sat 10 mg/plate CNREA8 41,2967,1981

mic-esc 20 mmol/L JTEHD6 3,637,1977

sce-hmn-lym 100 µmol/L MUREAV 129,47,1984

SAFETY PROFILE: Mutation data reported. When heated to decomposition it emits toxic vapors of NO_x, PO_x, and Cl⁻.**KFK150 CAS: 22942-83-2 HR: 3
1-KETO-2,3-DIHYDROCYCLOPENTINDOLE
OXIME**mf: C₁₁H₁₀N₂O mw: 186.23**SYNS:** CYCLOPENT(B)INDOL-3(2H)-ONE, 1,4-DIHYDRO-, OXIME □ CYCLOPENT(B)INDOL-3-ONE, 1,2,3,4-TETRAHYDRO-, OXIME □ 1,2,3,4-TETRAHYDROCYCLOPENT(B)INDOL-3-ONE OXIME**TOXICITY DATA with REFERENCE:**

ivn-mus LD50:40 mg/kg CSLNX* NX#12119

SAFETY PROFILE: A poison by intravenous route. When heated to decomposition it emits toxic vapors of NO_x.**KFK200 CAS: 53494-70-5 HR: 3
Δ-KETOENDRIN**mf: C₁₂H₈Cl₆O mw: 380.90**PROP:** Crystalline solid. Bp:>280° C.**SYNS:** ENDRIN KETONE □ Δ-KETO 153 □ 2,5,7-METHENO-3H-CYCLOPENTA(A)PENTALEN-3-ONE, 3B,4,5,6,6A-HEXACHLORODECAHYDRO-, (2-α-3A-β,3B-β,4-β,5-β,6A-β,7-α-7A-β,8R*)- □ SD 2614**TOXICITY DATA with REFERENCE:**

orl-rat LD50:10 mg/kg NTIS** PB85-143766

orl-mus LD50:62 mg/kg JEENAI 65,632,72

DOT CLASSIFICATION: 3; Label: Flammable Liquid**SAFETY PROFILE:** A poison by ingestion. A flammable liquid. When heated to decomposition it emits toxic vapors of Cl⁻.**KFK300 CAS: 305-72-6 HR: 2
α-KETOGLUTARIC ACID, DISODIUM SALT**mf: C₅H₄O₅•2Na mw: 190.06**SYN:** PENTANEDIOIC ACID, 2-OXO-, DISODIUM SALT**TOXICITY DATA with REFERENCE:**

orl-rat LD50:7.1 g/kg JAPTO* 21,495,2001

orl-rat TDLo:2 g/kg JAPTO* 21,495,2001

orl-rat TDLo:4 g/kg JAPTO* 21,495,2001

SAFETY PROFILE: Moderately toxic by ingestion. When heated to decomposition it emits acrid smoke and irritating vapors.**KGA000 HR: D
KETONES****PROP:** Liquid organic compounds containing the carbonyl group C=O attached to two alkyl groups. Derived from secondary alcohols by oxidation. Acetone, which is dimethyl ketone, is the most familiar of this group of compounds.**SAFETY PROFILE:** No general statement can be made as to the toxicity of ketones. Some are highly volatile and hence may have narcotic or anesthetic effects. Skinabsorption, as well as inhalation, may be an important route of entry into the body. None of the ketones has been shown to have a high degree of chronic toxicity. Some are dangerous fire hazards. They react violently with aldehydes, HNO₃, HNO₃ + H₂O₂, HClO₄. A variety of peroxides can be formed from the reactions of ketones and hydrogen peroxide. Many of these peroxides are explosives sensitive to heat and shock. Common air contaminants. See also ACETONE, DIETHYL KETONE, and METHYL ETHYL KETONE.**KGA100 CAS: 7039-09-0 HR: 3
4-KETONIRIDAZOLE**mf: C₆H₄N₄O₄S mw: 228.20**SYN:** 1-(5-NITRO-2-THIAZOLYL)HYDANTOIN**TOXICITY DATA with REFERENCE:**

mmo-sat 1 nmol/plate ENMUDM 4,320,82

ipr-mus LD50:55 mg/kg JPETAB 228,662,84

SAFETY PROFILE: Poison by intraperitoneal route. Mutation data reported. When heated to decomposition it emits toxic fumes of SO_x and NO_x.**KGA200 CAS: 5729-47-5 HR: 3
4-KETOPENTENAL**mf: C₅H₆O₂ mw: 98.11**SYNS:** 3-ACETYLACROLEIN □ 2-PENTENAL, 4-OXO-**TOXICITY DATA with REFERENCE:**

ipr-mus LD50:16 mg/kg ZolH## 23OCT1975

SAFETY PROFILE: A poison by intraperitoneal route. When heated to decomposition it emits acrid smoke and irritating vapors.**KGK000 CAS: 853-34-9 HR: 2
KETOPHENYLBUTAZONE**mf: C₁₉H₁₈N₂O₃ mw: 322.39**SYNS:** CHEBUTAN □ CHEPIROL □ CHETAZOLIDIN □ CHETIL □ COPIRENE □ 1,2-DIPHENYL-4-(γ-KETOBUTYL)-3,5-PYRAZOLIDINEDIONE □ 1,2-DIPHENYL-4-(3'-OXOBUTYL)-3,5-DIOXOPYRAZOLIDINE □ HICHILLOS □ KEBUZONE □ KEOBUTANE-JADE □ KETASON □ KETAZONE □ KPB □ 4-(3-OXOBUTYL)-1,2-DIPHENYL-3,5-PYRAZOLIDINEDIONE □ PECNON □ RECHETON**TOXICITY DATA with REFERENCE:**

orl-rat LD50:1551 mg/kg OYYAA2 3,390,69

ipr-rat LD50:683 mg/kg OYYAA2 3,390,69

ivn-rat LD50:616 mg/kg NIIRDN 6,265,82

ipr-mus LD50:662 mg/kg OYYAA2 3,390,69

scu-mus LD50:620 mg/kg OYYAA2 3,390,69

ivn-mus LD50:580 mg/kg OYYAA2 3,390,69

SAFETY PROFILE: Moderately toxic by ingestion, intraperitoneal, intravenous, and subcutaneous routes. When heated to decomposition it emits toxic fumes of NO_x.**KGK100 CAS: 57495-14-4 HR: 3
KETOPROFEN SODIUM**mf: C₁₆H₁₄O₃•Na mw: 277.28

SYNS: 3-BENZOYL- α -METHYL-BENZENEACETIC ACID
SODIUM SALT □ 2-(3-BENZOYLPHENYL)PROPIONATE SODIUM
□ 19583RP-Na □ 19583 RP SODIUM □ SODIUM KETOPROFEN

TOXICITY DATA with REFERENCE:

orl-rat LD50:215 mg/kg OYYAA2 13,709,77
ipr-rat LD50:66 mg/kg OYYAA2 13,709,77
scu-rat LD50:154 mg/kg JZKEDZ 1,101,75
ivn-rat LD50:343 mg/kg OYYAA2 13,709,77
ims-rat LD50:125 mg/kg OYYAA2 13,709,77
orl-mus LD50:735 mg/kg OYYAA2 13,709,77
ipr-mus LD50:520 mg/kg OYYAA2 13,709,77

SAFETY PROFILE: Poison by ingestion, subcutaneous, intramuscular, intravenous, and intraperitoneal routes. An experimental teratogen. When heated to decomposition it emits toxic fumes of Na_2O .

KGK120 CAS: 58013-13-1 HR: 3
1-(2-KETO-2-(3'-PYRIDYL)ETHYL)-4-(2'-CHLOROPHENYL)PIPERAZINE

mf: $\text{C}_{17}\text{H}_{18}\text{ClN}_3\text{O}$ mw: 315.83

SYNS: KETONE, 4-(*o*-CHLOROPHENYL)-1-PIPERAZINYL-METHYL 3-PYRIDYL- □ PIPERAZINE, 1-(*o*-CHLOROPHENYL)-4-NICOTINOYLMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:200 mg/kg BCFAAI 119,608,80

DOT CLASSIFICATION: 3; Label: Flammable Liquid

SAFETY PROFILE: A poison by intraperitoneal route. A flammable liquid. When heated to decomposition it emits toxic vapors of NO_x and Cl^- .

KGK130 CAS: 58013-14-2 HR: 3
1-(2-KETO-2-(3'-PYRIDYL)ETHYL)-4-(2'-METHOXYPHENYL)PIPERAZINE

mf: $\text{C}_{18}\text{H}_{21}\text{N}_3\text{O}_2$ mw: 311.42

SYNS: KETONE, 4-(*o*-METHOXYPHENYL)-1-PIPERAZINYL-METHYL 3-PYRIDYL- □ PIPERAZINE, 1-(*o*-METHOXYPHENYL)-4-NICOTINOYLMETHYL-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:214 mg/kg BCFAAI 119,608,80

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 .

KGK140 CAS: 30213-35-5 HR: 3
KETORUBRATOXIN B

mf: $\text{C}_{26}\text{H}_{28}\text{O}_{11}$ mw: 516.54

SYN: RUBRATOXIN B, KETO-

TOXICITY DATA with REFERENCE:

ipr-mus LD50:20 mg/kg BCPCA6 19,612,70

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

KGK150 CAS: 16694-30-7 HR: 2
4-KETOSTEARIC ACID

mf: $\text{C}_{18}\text{H}_{34}\text{O}_3$ mw: 298.52

PROP: A solid. Mp: 97°.

TOXICITY DATA with REFERENCE:

scu-mus TDLo:2000 mg/kg/25W-I:ETA CNREA8 30,1037,70

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

KGK200 CAS: 34580-14-8 HR: 3
KETOTIFEN FUMARATE

mf: $\text{C}_{19}\text{H}_{19}\text{NOS}\cdot\text{C}_4\text{H}_4\text{O}_4$ mw: 425.53

PROP: A solid. Mp: 192° (decomp).

SYNS: HC 20-511 FUMARATE □ ZADITEN

TOXICITY DATA with REFERENCE:

orl-wmn TDLo:500 $\mu\text{g}/\text{kg}$:BAH,PUL DRSAEA 7,387,92
orl-man TDLo:286 $\mu\text{g}/\text{kg}$:BAH,CVS DRSAEA 7,387,92
orl-cld TDLo:200 $\mu\text{g}/\text{kg}$:PUL DRSAEA 7,387,92
orl-cld TDLo:500 $\mu\text{g}/\text{kg}$:BAH DRSAEA 7,387,92
orl-cld TDLo:500 $\mu\text{g}/\text{kg}$:EYE,CVS,PUL DRSAEA 7,387,92
orl-cld TDLo:1 mg/kg:PUL DRSAEA 7,387,92
orl-rat LD50:360 mg/kg KSRNAM 13,4069,79
scu-rat LD50:370 mg/kg KSRNAM 13,4069,79
ivn-rat LD50:5100 $\mu\text{g}/\text{kg}$ KSRNAM 13,4069,79
orl-mus LD50:585 mg/kg KSRNAM 13,4069,79
scu-mus LD50:820 mg/kg KSRNAM 13,4069,79
ivn-mus LD50:18,800 $\mu\text{g}/\text{kg}$ KSRNAM 13,4069,79

SAFETY PROFILE: Poison by ingestion, subcutaneous, and intravenous routes. An experimental teratogen. Experimental reproductive effects. Human systemic effects: convulsions, cyanosis, distorted perceptions, dyspnea, eye effects, general anesthesia, hallucinations, pulse rate increased, pulse rate, respiratory depression, respiratory stimulation, somnolence, temperature increase. When heated to decomposition it emits toxic fumes of SO_x and NO_x .

KGK300 CAS: 54240-36-7 HR: 3
KF-868

mf: $\text{C}_{13}\text{H}_{18}\text{ClF}_3\text{N}_2\text{O}\cdot\text{ClH}$ mw: 347.24

PROP: A solid. Mp: 199–202° (decomp).

SYNS: 4-AMINO- α -((*tert*-BUTYLAMINO)METHYL)-3-CHLORO-5-(TRIFLUOROMETHYL)BENZYL ALCOHOL HCl □ 4-AMINO-3-CHLOROTRIFLUOROMETHYL- α -((*tert*-BUTYLAMINO)-METHYL)BENZYLALCOHOL HYDROCHLORIDE

TOXICITY DATA with REFERENCE:

ivn-mus LD50:36,500 $\mu\text{g}/\text{kg}$ ARZNAD 34,1625,84

SAFETY PROFILE: Poison by intravenous route. An experimental teratogen. Experimental reproductive effects. When heated to decomposition it emits toxic fumes of F^- , NO_x , and HCl.

KGK350 HR: D
KHAT LEAF EXTRACT

PROP: A common chewing material in East Africa containing (–)-cathinone as the active ingredient RCSADO 6,179,85.

SYN: CATHA EDULIS Forsk, leaf extract

TOXICITY DATA with REFERENCE:

mno-sat 25 $\mu\text{L}/\text{plate}$ RCSADO 6,179,85
dni-hmn:fbr 45 $\mu\text{g}/\text{L}$ MUREAV 204,317,88

SAFETY PROFILE: An experimental teratogen. Experimental reproductive effects. Mutation data reported. When heated to decomposition it emits acrid smoke and irritating fumes.

KGK400 CAS: 56583-56-3 HR: 3
KHINOTILIN

mf: $C_{26}H_{26}N_2O_4 \cdot 2I$ mw: 684.34

SYNS: CHINOTILIN □ 1,1'-((1,4-DIOXO-1,4-BUTANEDIYL)BIS-(OXY-2,1-ETHANEDIYL))BIS-QUINOLINIUM DIIODIDE □ QUINOTILINE

TOXICITY DATA with REFERENCE:

orl-mus LD50:320 mg/kg EKfMA7 11,111,82

ipr-mus LD50:5600 µg/kg EKfMA7 11,111,82

ivn-mus LD50:2200 µg/kg PCJOAU 16,164,82

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

KGK500 CAS: 60476-14-4 HR: 1
KICKER FK 101

SYNS: FK 101 □ KIKKER FK 101

TOXICITY DATA with REFERENCE:

orl-rat LD50:12,800 mg/kg GTPZAB 20(7),58,76

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

KGU100 HR: 2
KM-1146

mf: $C_{12}H_{15}NO_3S$ mw: 253.34

SYN: 2-(3,4-DIMETHOXYPHENYL)-5-ETHYLTHIAZOLIDIN-4-ONE

TOXICITY DATA with REFERENCE:

ipr-rat LD50:2700 mg/kg OYYAA2 26,701,83

ipr-mus LD50:4300 mg/kg OYYAA2 26,701,83

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

KHK000 HR: 2
KOTORAN

TOXICITY DATA with REFERENCE:

orl-rat LD50:1450 mg/kg FATOAO 35,352,72

orl-mus LD50:1465 mg/kg 17QLAD 12,85,77

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Moderately toxic by ingestion.

KHK100 CAS: 73379-85-8 HR: 3
KPE

mf: $C_{20}H_{32}O_5 \cdot C_{29}H_{36}O_{15}$ mw: 977.17

SYN: PROSTOGLANDIN E_2 -METHYLHESPERIDIN COMPLEX

TOXICITY DATA with REFERENCE:

orl-rat LD50:12 g/kg YACHDS 9,1409,81

scu-rat LD50:818 mg/kg YACHDS 9,1409,81

ivn-rat LD50:308 mg/kg YACHDS 9,1409,81

orl-mus LD50:15 g/kg YACHDS 9,1409,81

scu-mus LD50:999 mg/kg YACHDS 9,1409,81

ivn-mus LD50:417 mg/kg YACHDS 9,1409,81

SAFETY PROFILE: Poison by intravenous route.

Moderately toxic by subcutaneous route. Mildly toxic by ingestion. An experimental teratogen. Other experimental reproductive effects. When heated to decomposition it emits acrid smoke and fumes. See also various prostaglandins.

KHK200 CAS: 103599-19-5 HR: 2
KRATON LIQUID L-207 POLYMER

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg/4H MLD IJTOFN 16(Suppl 2),24,1997

orl-rat LD50:>5 g/kg IJTOFN 16(Suppl 2),24,1997

skn-rat LD50:>2 g/kg IJTOFN 16(Suppl 2),24,1997

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

KHU000 CAS: 74278-22-1 HR: 3
KROMAD

PROP: Contains 5% cadmium sebacate, 5% potassium chromate, 1% malachite green, and 16% thiram (FMCHA2 -,D176,80).

TOXICITY DATA with REFERENCE:

orl-rat LD50:400 mg/kg FMCHA2 -,D176,80

skn-rbt LD50:1 g/kg FMCHA2 -,D176,80

CONSENSUS REPORTS: Cadmium and its compounds, as well as chromium and its compounds, are on the Community Right-To-Know List.

OSHA PEL: TWA 5 µg(Cd)/m³

ACGIH TLV: TWA 0.002 mg(Cd)/m³ (respirable dust), Suspected Human Carcinogen); BEI: 5 µg/g creatinine in urine; 5 µg/L in blood

DFG MAK: DFG BAT: Blood 1.5 µg/dL; Urine 15 µg/dL; Suspected Carcinogen

NIOSH REL: (Cadmium) Reduce to lowest feasible level

SAFETY PROFILE: Confirmed human carcinogen.

Poison by ingestion. Moderately toxic by skin contact.

When heated to decomposition it emits toxic fumes of K_2O , Cd, and Cr. See also CADMIUM COMPOUNDS, POTASSIUM CHROMATE, and THIRAM.

KHU025 CAS: 2971-38-2 HR: 2
KROTILINE

mf: $C_{12}H_{11}Cl_3O_3$ mw: 309.58

SYNS: ACETIC ACID, 2,4-DICHLOROPHENOXY-, 4-CHLORO-2-BUTENYL ESTER □ CROTILIN □ CROTILINE □ CROTYLIN □ 2,4-D, α-CHLOROCROTYL ESTER □ 2,4-DICHLOROPHENOXYACETIC ACID, 4-CHLOROCROTONYL ESTER □ KROTILIN

TOXICITY DATA with REFERENCE:

orl-rat LD50:547 mg/kg 85GMAT-,35,1982

orl-mus LD50:489 mg/kg 85GMAT-,35,1982

ihl-mus LC50:2190 mg/m³/2H 85GMAT-,35,1982

orl-rbt LD50:784 mg/kg 85GMAT-,35,1982

SAFETY PROFILE: Moderately toxic by ingestion and inhalation. When heated to decomposition it emits toxic vapors of Cl^- .

KHU050 CAS: 4727-50-8 HR: 3
KRYPTOCYANINE IODIDE

mf: $\text{C}_{25}\text{H}_{25}\text{N}_2\cdot\text{I}$ mw: 480.42

PROP: Green crystalline powder. Mp: 250.5–253°.

SYNS: CRYPTOCYANINE IODIDE □ CRYPTOCYANINE O. A. 2
 □ 1,1'-DIETHYL-4,4'-CARBOCYANINE IODIDE □ 1,1'-DIETHYL-4,4'-QUINOCARBOCYANINE IODIDE □ EASTMAN 1334 □ NK 5
 □ NK 5 (DYE) □ NSC-34391 □ QUINOLINIUM, 1-ETHYL-4-(3-(1-ETHYL-4(1H)-QUINOLINYLIDENE)-1-PROPENYL)-, IODIDE (9CI)

TOXICITY DATA with REFERENCE:

ipr-mus LD50:1785 µg/kg NCISP* JAN86

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

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

KHU100 CAS: 28557-25-7 HR: 1
KT 136

mf: $\text{C}_{12}\text{H}_{15}\text{N}_5\text{O}_2$ mw: 261.32

SYNS: 7,8-DIHYDRO-1,3-DIMETHYL-8-(2-PROPENYL)-1H-IMIDAZO(2,1-f)PURINE-2,4(3H,6H)-DIONE □ 1H-IMIDAZO(2,1-f)PURINE-2,4(3H,6H)-DIONE, 7,8-DIHYDRO-8-ALLYL-1,3-DIMETHYL-(8CI)

TOXICITY DATA with REFERENCE:

skn-rbt 500 mg MLD YACHDS 17(Suppl 1),75,89

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

KHU136 CAS: 1400-17-5 HR: 3
KURCHICINE

mf: $\text{C}_{20}\text{H}_{36}\text{N}_2\text{O}$ mw: 320.52

PROP: Dark brown, bitter base isolated from bark and seeds of shrub or small tree. Sol in water and alc.

TOXICITY DATA with REFERENCE:

ipr-mus LDLo:195 mg/kg JPETAB 58,361,36

scu-gpg LDLo:88 mg/kg JPETAB 58,361,36

scu-frg LDLo:110 mg/kg JPETAB 58,361,36

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