

*** CHEMICAL IDENTIFICATION ***

RTECS NUMBER : NN1350000
CHEMICAL NAME : Iodic acid, potassium salt
CAS REGISTRY NUMBER : 7758-05-6
LAST UPDATED : 199701
DATA ITEMS CITED : 7
MOLECULAR FORMULA : I-03.K
MOLECULAR WEIGHT : 214.00
WISWESSER LINE NOTATION : KA I-03
SYNONYMS/TRADE NAMES :
* Potassium iodate

*** HEALTH HAZARD DATA ***

** ACUTE TOXICITY DATA **

TYPE OF TEST : LDLo - Lowest published lethal dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 531 mg/kg
TOXIC EFFECTS :
Behavioral - convulsions or effect on seizure threshold
Behavioral - excitement
Gastrointestinal - hypermotility, diarrhea

REFERENCE :

JPETAB Journal of Pharmacology and Experimental Therapeutics. (Williams & Wilkins Co., 428 E. Preston St., Baltimore, MD 21202) V.1- 1909/10- Volume(issue)/page/year: 120,171,1957

TYPE OF TEST : LD50 - Lethal dose, 50 percent kill
ROUTE OF EXPOSURE : Intraperitoneal
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 136 mg/kg
TOXIC EFFECTS :
Behavioral - convulsions or effect on seizure threshold
Behavioral - excitement
Lungs, Thorax, or Respiration - other changes

REFERENCE :

JPETAB Journal of Pharmacology and Experimental Therapeutics. (Williams & Wilkins Co., 428 E. Preston St., Baltimore, MD 21202) V.1- 1909/10- Volume(issue)/page/year: 120,171,1957

TYPE OF TEST : LDLo - Lowest published lethal dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Mammal - dog
DOSE/DURATION : 200 mg/kg
TOXIC EFFECTS :
Behavioral - altered sleep time (including change in righting reflex)
Behavioral - food intake (animal)

REFERENCE :

TXAPA9 Toxicology and Applied Pharmacology. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1959- Volume(issue)/page/year: 8,185,1966

** OTHER MULTIPLE DOSE TOXICITY DATA **

TYPE OF TEST : TDLo - Lowest published toxic dose
ROUTE OF EXPOSURE : Oral
SPECIES OBSERVED : Rodent - mouse
DOSE/DURATION : 81 gm/kg/15W-C
TOXIC EFFECTS :
Blood - other hemolysis with or without anemia
Blood - changes in erythrocyte (RBC) count

REFERENCE :

TXAPA9 Toxicology and Applied Pharmacology. (Academic Press, Inc., 1 E. First St., Duluth, MN 55802) V.1- 1959- Volume(issue)/page/year: 1,87,1959

*** NIOSH STANDARDS DEVELOPMENT AND SURVEILLANCE DATA ***

NIOSH OCCUPATIONAL EXPOSURE SURVEY DATA :

NOHS - National Occupational Hazard Survey (1974)

NOHS Hazard Code - 80200

No. of Facilities: 1009 (estimated)

No. of Industries: 25

No. of Occupations: 14

No. of Employees: 5356 (estimated)

NOES - National Occupational Exposure Survey (1983)

NOES Hazard Code - 80200

No. of Facilities: 3149 (estimated)

No. of Industries: 47

No. of Occupations: 47

No. of Employees: 193692 (estimated)

No. of Female Employees: 164961 (estimated)

*** STATUS IN U. S. ***

EPA TSCA Section 8(b) CHEMICAL INVENTORY

*** END OF RECORD ***