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Revision 09/06/2012

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

NAME: POTASSIUM IODIDE,  
Dilute solution 1% in water

SECTION 2. ----- COMPOSITION/INFORMATION ON  
INGREDIENTS -----

CAS #: 7681-11-0  
MF: IK  
EC NO: 231-659-4

SYNONYMS

K1-N \* KNOLLIDE \* POTIDE \*

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

TOXIC

MAY CAUSE HARM TO THE UNBORN CHILD.

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN

CONTACT.

TARGET ORGAN(S):

THYROID

BLOOD

AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE

USE.

DO NOT BREATHE DUST.

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK

MEDICAL ADVICE

IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

AIR, LIGHT AND MOISTURE SENSITIVE.

SECTION 4. ----- FIRST-AID MEASURES-----

DATA NOT AVAILABLE

SECTION 5. ----- FIRE FIGHTING MEASURES -----

DATA NOT AVAILABLE

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

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DATA NOT AVAILABLE

SECTION 7. ----- HANDLING AND STORAGE-----

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL  
PROTECTION - - - - -

DATA NOT AVAILABLE

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - -

- - - - -

APPEARANCE AND ODOR  
WHITE CRYSTALS AND CHUNKS  
PHYSICAL PROPERTIES

MELTING POINT: 681 C

VAPOR PRESSURE: 1MM 745 C

SOLUBILITY:

WATER -Z26130

SPECIFIC GRAVITY: 3.130

PH: 6,0 - 9,0

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -

DATA NOT AVAILABLE

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

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RTECS #: TT2975000

POTASSIUM IODIDE

TARGET ORGAN DATA

BEHAVIORAL (SOMNOLENCE)

BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE

THRESHOLD)

BEHAVIORAL (EXCITEMENT)

BEHAVIORAL (MUSCLE WEAKNESS)

LUNGS, THORAX OR RESPIRATION (DYSPPNAE)

LUNGS, THORAX OR RESPIRATION (OTHER CHANGES)

MATERNAL EFFECTS (PARTURITION)

EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)

EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)

EFFECTS ON EMBRYO OR FETUS (FETAL DEATH)

EFFECTS ON NEWBORN (VIABILITY INDEX)

EFFECTS ON NEWBORN (GROWTH STATISTICS)

EFFECTS ON NEWBORN (BEHAVIORAL)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL

SUBSTANCES

(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN

RTECS FOR

COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

DATA NOT AVAILABLE

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT ALDRICH CHEMICAL COMPANY FOR  
TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

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EUROPEAN INFORMATION

TOXIC

R 42/43

MAY CAUSE SENSITIZATION BY INHALATION AND SKIN

CONTACT.

S 22

DO NOT BREATHE DUST.

S 36/37

WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

S 45

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK

MEDICAL ADVICE

IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

TLV AND SOURCE

FOR IODINE:

ACGIH TLV-CL: 0.1 PPM.

OSHA PEL-CL: 0.1 PPM (1 MG/M3).

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-

REGISTRATION

FEREAC 54,7740,1989

NOHS 1974: HZD 81683; NIS 60; TNF 5350; NOS 38; TNE 45136

NOES 1983: HZD 81683; NIS 95; TNF 8947; NOS 86; TNE 243989;

TFE 149229

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY

2001

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT  
DOES NOT PURPORT TO

BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE.