



MAR 15 1991

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

EM SCIENCE
A Division of EM Industries
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Preparation Date: OCT 27, '87
Date Sent to Customer.....: MAR 12, '91
Information Phone Number :
(609) 354-9200
Chemtrec Emergency Number:
1-800-424-9300

JOYCE KILBY/RISK MGMT OF
UNIV OF WISCONSIN-WHITEWATER
800 W. MAIN ST-LIBRARY RM 2008
WHITEWATER, WI
53190

NFPA HAZARD RATINGS
Health: 0 Flammability: 0
Reactivity : 0 Special Hazards.: N/A

SECTION I - GENERAL INFORMATION

Catalog Number(s): PX1403 PX1405 PX1407 PX1410 PX1411
 4935 4938

Chemical Name.....: Potassium Chloride
Trade Name.....: Potassium Muriate
C.A.S. Number.....: 7447-40-7
Chemical Family...: Inorganic Salt
Formula.....: KCl
Molecular Weight...: 74.56
DOT Shipping Name: N/A
DOT Number.....: N/A

Biology

SECTION II - HAZARDOUS INGREDIENTS

-None other than specified product

SECTION III - PHYSICAL DATA

Boiling Point (C° 760 mm Hg) ..: 1500C
Melting Point (C°).....: 773C
Specific Gravity (H₂O = 1).....: 1.99
Vapor Pressure (mm Hg).....: N/A 20C
Percent Volatile by Vol (%)...: N/A
Vapor Density (Air=1).....: N/A
Evaporation Rate (BuAc=1).....: N/A
Solubility in Water (%).....: 26
Appearance and Odor.....: white, odorless crystals
 or granules

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (F°).....: Noncombustible
Flammable Limits LEL % ..: N/A
Flammable Limits UEL % ..: N/A
Extinguishing Media.....:
Any suitable for other materials involved
Fire Fighting Proc.....:
Wear self-contained breathing apparatus
Fire & Expl. Hazards.....:
-Thermal decomposition produces toxic fumes

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA).....:
& PEL: None established
Toxicity Data.....:
-orl-rat LD50: 3020 mg/kg orl-gpg LD50: 2500 mg/kg
Symptoms of Exposure ..: ..:
-Eye contact causes irritation
Skin contact may cause irritation
Ingestion of large quantities causes gastrointestinal irritation
Medical Cond. Aggravated by Exp: Data not available.
Routes of Entry.....: Inhalation, ingestion or skin contact.
Carcinogenicity.....: See Comments, Section X; if no inform-
ation appears, the material is not listed as a cancer causing agent.
Emergency First Aid.....:
GET MEDICAL ASSISTANCE FOR ALL CASES OF OVEREXPOSURE
Eyes: flush thoroughly with water
Skin: wash with soap and water thoroughly
Inhalation: remove to fresh air
Ingestion: if conscious, induce vomiting

SECTION VI - REACTIVITY DATA

Stability.....: YES
Conditions to Avoid ..: ..:

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-None
Materials to Avoid.....: () Water () Acids
 () Bases () Corrosives () Oxidizers
 (X) Other (specify)- BrF3
Hazardous Polymerization.: Data not available.
Hazardous Decomposition.: -Chlorine compounds

SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response:
 -Take up and containerize for proper disposal.
Waste Disposal: To be performed in compliance with all current local, state and federal regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection:
 -Material should be handled or transferred in an approved fume hood or with adequate ventilation
 Protective gloves (Neoprene, PVC or equivalent) should be worn to prevent skin contact
 Safety glasses with side shields must be worn at all times

SECTION IX - SPECIAL PROTECTION INFORMATION

Handling & Storage
 -Keep container closed tightly
 Store at controlled room temperature
 Do not get in eyes
 Do not take internally
 Avoid prolonged or repeated skin contact
 Do not breathe dust
Work/Hygienic Practices: Wash thoroughly after handling. Do not take internally. Eye wash and safety equipment should be readily available.

SECTION X - OTHER INFORMATION

Comments.....:
 Tests on laboratory animals indicate material may produce adverse mutagenic effects.
Revision History.....: 08/28/81, 03/01/84, 10/16/86, 02/23/87
 N/A = Not available:

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