MATERIAL SAFETY DATA SHEET

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UNIV. OF WISCONSIN-WHITEWATER
800 W. MARKET ST. LIBRARY RM 2008
WHITEWATER, WI
53190

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

NFPA HAZARD RATINGS

Health ... 0 Flammability ... 0 Reactivity ... 0 Special Hazards: N/A

SECTION I - GENERAL INFORMATION

Catalog Number(s): 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

SECTION II - HAZARDOUS INGREDIENTS

- None other than specified product

SECTION III - PHYSICAL DATA

Boiling Point (°C, 760 mm Hg): 1500°C
Melting Point (°C): 773°C
Specific Gravity (H2O = i): 1.99
Vapor Pressure (mm Hg): N/A
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: 2524 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 Exposure: Data not available
- Routes of Entry: Inhalation, ingestion or skin contact.
- Carcinogenicity: See Comments, Section X; if no information 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
( ) 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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