MATERIAL SAFETY DATA SHEET

EM SCIENCE
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JOYCE KILBY/RISK MGMT OF
UNIV OF WISCONSIN-WHITEWATER
800 W. MAIN 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

NFP A HAZARD RATINGS
Health ....: 3
Reactivity : 2
Flammability : 0
Special Hazards: W

Catalog Number(s): SX1255 SX1260

Chemical Name........: Sulfuryl Chloride
Trade Name..........: N/A
C.A. Number.........: 7791-25-5
Chemical Family.....: Inorganic Salt
Formula.............: SO2CI2
Molecular Weight...: 135
DOT Shipping Name: N/A
DOT Number.........: N/A

SECTION II - HAZARDOUS INGREDIENTS

- N/A

SECTION III - PHYSICAL DATA

Boiling Point (°C 760 mm Hg): -54 C
Melting Point (°C): 69 C
Specific Gravity (H2O = 1): 1.16
Vapor Pressure (mm Hg): 110 68 C
Percent Volatile by Vol (%): 100
Vapor Density (Air=1): 4.65
Evaporation Rate (BuAc=1): N/A
Solubility in Water (%): decomposes
Appearance and Odor: Pale yellow liquid

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (°F): N/A
Flammable Limits LEL %: N/A
Flammable Limits UEL %: N/A
Extinguishing Media: Do not use water
Fire Fighting Proc.: Wear self-contained breathing apparatus
Fire & Expl. Hazards: -generates toxic fumes

SECTION V - HEALTH HAZARD DATA (ACUTE AND CHRONIC)

ACGIH TLV/OSHA PEL (TWA): None established.
Toxicity Data: N/A
Symptoms of Exposure: Eyes are irritating and corrosive to eyes, skin, respiratory tract and mucous membrane. Can cause pulmonary edema.
Medical Cond. Aggravated by Exp: 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: Skin: wash with soap/water, get medical assistance.
Eyes: wash with water, get medical assistance.
Inhalation: remove to fresh air, get medical assistance.
Ingestion: get medical attention.

SECTION VI - REACTIVITY DATA

Stability: ......: YES
Conditions to Avoid: N/A

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Materials to Avoid: *(X)* Water  *( )* Acids
*( )* Bases  *( )* Corrosives  *( )* Oxidizers
*(X)* Other (specify) - Alkalis, steel, PbO2 (explosive)
**Hazardous Polymerization:** Data not available.
**Hazardous Decomposition:** - H2, SOx, HCl

**SECTION VII - ENVIRONMENTAL PROTECTION PROCEDURES**

**Spill Response:**
- Absorb on vermiculite and containerize

**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:**
- Provide adequate general and exhaust ventilation.
- Protect eyes and skin with safety goggles and gloves.

**SECTION IX - SPECIAL PROTECTION INFORMATION**

**Handling & Storage:**
- Store in cool, dry, ventilated area away from ignition sources and heat.

**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: None
Revision History: 02/01/82
N/A = Not available.

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