



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  
P.O. Box 70  
480 Democrat Rd.  
Gibbstown, N.J. 08027

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

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

Catalog Number(s): SECTION I - GENERAL INFORMATION  
SX1255      SX1260

Chemical Name.....: Sulfuryl Chloride  
Trade Name.....: N/A  
C.A.S. Number.....: 7791-25-5  
Chemical Family...: Inorganic Salt  
Formula.....: SO<sub>2</sub>Cl<sub>2</sub>  
Molecular Weight..: 135  
DOT Shipping Name: N/A  
DOT Number.....: N/A

*Bioblog*

-N/A SECTION II - HAZARDOUS INGREDIENTS

SECTION III - PHYSICAL DATA  
Boiling Point (C° 760 mm Hg) ..: 69C  
Melting Point (C°).....: -54C  
Specific Gravity (H<sub>2</sub>O = 1).....: 1.68  
Vapor Pressure..(mm Hg).....: 110      68C  
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  
pungent odor

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 .....:  
-Vapors 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 inform-  
ation 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)-Alkalies, 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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