

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

2722

1-BROMO-3-CHLOROPROPANE

CHEMICAL NAME & SYNONYMS

1-Bromo-3-chloropropane

DOT CLASS

6.1/III

SARA TITLE 313

No

FORMULA

Br(CH₂)₃Cl

REPORTABLE QUANTITY

N/A

TSCA listed - Yes

F.W.

157.44

CAS#

109-70-6

PHYSICAL DATA

Melting point -59°C; Boiling point 144°C; Density 1.59; vapor pressure 5 mm Hg @ 20°C; vapor density 5; insoluble in water.

APPEARANCE & ODOR

Clear, colorless liquid. Chloroform-like odor.

REACTIVITY & CONDITIONS TO AVOID

Stable under normal conditions. Incompatible with magnesium, zinc and aluminum, strong bases and strong oxidizing agents. No known hazardous polymerization.

FIRE HAZARDS

Flammable, will emit toxic fumes including hydrogen bromide, hydrogen chloride, carbon monoxide and carbon dioxide in a fire. Firefighters wear SCBA.

EXTINGUISHER

CO₂, ABC dry powder, foam, water spray or fog.

FLASHPOINT

45°C

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Irritating to skin, eyes and mucous membranes. Vapor may be irritating to the eyes. May be harmful or fatal if swallowed or inhaled. LD₅₀ (oral-rat) 930 mg/kg; LC₅₀ (inhalation-rat) 5668 mg/m³. OSHA PEL/ACGIH TLV not established. Not classified as a carcinogen.

SPECIAL PRECAUTIONS

Goggles, rubber gloves, protective clothing are required. Use only with adequate ventilation and/or suitable respiratory protection. Avoid all contact.

FIRST AID

Remove contaminated clothing immediately and launder before reuse. Discard contaminated shoes. For eyes, flush with plenty of water for at least fifteen minutes. Seek medical attention. For skin, wash thoroughly with soap and water, while removing clothing. Seek medical attention if rash should occur. For inhalation, remove to fresh air. If not breathing give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Seek medical attention at once. For ingestion, if conscious, dilute with milk or water. Do NOT induce vomiting. Get immediate medical attention.

SPILLS & LEAKS

Ventilate area. Equip personnel with SCBA and full protective clothing. Take up spill in absorbent and dispose to incinerator or other suitable hazardous waste. Wash spill area thoroughly with water after absorbent is picked up.

CATALOG #

2722

PREPARED BY

MDM

DATE

July 26, 2002