

**GFS CHEMICALS, INC.**

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**MATERIAL SAFETY DATA SHEET**

3495

**1,4-BUTANEDIOL GLYCIDYL ETHER**

**CHEMICAL NAME & SYNONYMS**

1,4-Butanediol Glycidyl Ether;  
1,4-bis(2,3-epoxypropoxy)butane

**DOT CLASS**

NR

**SARA TITLE 313**

No

**TSCA listed** - Yes

**FORMULA**

C<sub>10</sub>H<sub>18</sub>O<sub>4</sub>

**REPORTABLE QUANTITY**

N/A

**F.W.**

202.28

**CAS#**

2425-79-8

**PHYSICAL DATA**

Boiling point 155-160°C @ 11 mm Hg; Density 1.05; Negligible solubility in water. Vapor pressure <1 mm Hg @ 25°C. Vapor density - heavier than air.

**APPEARANCE & ODOR**

Clear, colorless liquid. Pungent odor.

**REACTIVITY & CONDITIONS TO AVOID**

Stable. Will react with amines. Will autopolymerize at very high temperatures. Incompatible with strong acids, bases and oxidizers.

**FIRE HAZARDS**

Combustible liquid. Burns in a general fire with acrid smoke. Firefighters wear SCBA. NFPA # 2-1-0.

**EXTINGUISHER**

Dry Chemical, CO<sub>2</sub>, water or foam.

**FLASHPOINT**

>110°C

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

Harmful or fatal by ingestion and inhalation. Not likely to be absorbed through the skin. Irritating to eyes, possibly to skin. May cause skin sensitization (dermatitis) through chronic exposure. OSHA PEL/ACGIH TLV not established. LD<sub>50</sub> (oral-rat): 1134 mg/kg. May cause an allergic reaction by inhalation. No evidence of carcinogenicity.

**SPECIAL PRECAUTIONS**

Wear goggles, rubber (neoprene) gloves and protective clothing while handling. Use good ventilation. Avoid all contact. Eye wash in area.

**FIRST AID**

Wash skin and eyes thoroughly with water after contact. Get medical attention for eyes and if irritation develops on skin. If swallowed, give milk or water and get medical attention. For inhalation, remove to fresh air, give oxygen if breathing is difficult and get medical attention.

**SPILLS & LEAKS**

Ventilate area. Remove sources of ignition or polymerization. Take up spill in absorbent. Disposal to incinerator. Wash up with water.

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**CATALOG #**

3495

**PREPARED BY**

MDM

**DATE**

March 14, 2005