

**MILES® GLYCOL ETHER DB (DIETHYLENE GLYCOL
MONOBUTYL ETHER)****Safety Data Sheet****SECTION 1: IDENTIFICATION**

Product Name: Diethylene glycol monobutyl ether

CAS No.: 112-34-5 | Formula: $C_8H_{18}O_3$

Recommended Use: Coalescent and coupling solvent in coatings, inks, cleaners and automotive fluids

Supplier: Miles Lubricants LLC

Emergency Telephone: CHEMTREC 1-800-424-9300 (US)

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification: Eye Irrit. 2A (some supplier SDSs also list Flam. Liq. 4)

Signal Word: Warning

Hazard Statements: H319 – Causes serious eye irritation. Some supplier SDSs also list H227 – Combustible liquid.

Precautionary Statements: P264, P280, P305+P351+P338, P337+P313

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Diethylene glycol monobutyl ether (CAS 112-34-5): 99.0–100.0%

SECTION 4: FIRST-AID MEASURES

Eye Contact: Flush with water 15+ minutes; seek medical attention if irritation persists.

Skin Contact: Wash with soap and water; remove contaminated clothing.

Inhalation: Move to fresh air; seek medical attention if symptoms persist.

Ingestion: Rinse mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical, CO_2 .

Special Hazards: Combustible liquid; containers may rupture when heated; combustion produces carbon oxides.

Firefighter PPE: SCBA and full protective gear for enclosed-space or large fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area. Absorb with inert material; avoid discharge to sewers or waterways.

SECTION 7: HANDLING AND STORAGE

Store in tightly closed containers in a cool, dry, well-ventilated area away from heat, ignition sources and strong oxidizers. Slightly hygroscopic; keep closed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: AIHA WEEL (TWA) 10 ppm. No OSHA PEL or ACGIH TLV established.

Engineering Controls: General or local exhaust ventilation.

PPE: Chemical splash goggles; chemical-resistant gloves (butyl or neoprene); protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid | **Odor:** Mild

Boiling Point: 230°C (446°F) | **Freezing Point:** -68°C (-90°F)

Specific Gravity: approx. 0.95 @ 20°C | **Flash Point:** 99°C (210°F)

Viscosity: approx. 5.9 cP @ 20°C | **Evaporation:** Slow

Solubility in Water: Miscible

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid heat, ignition sources and strong oxidizers. May form peroxides on prolonged exposure to air.

SECTION 11: TOXICOLOGICAL INFORMATION

Low acute toxicity (rat oral LD50 approx. 5,660 mg/kg). Serious eye irritant; mild skin irritant.

SECTION 12: ECOLOGICAL INFORMATION

Low aquatic toxicity (fish 96-h LC50 approx. 1,300 mg/L). Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose per local/state/federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a hazardous material.

SECTION 15: REGULATORY INFORMATION

Listed on TSCA. Confirm current federal, state and local regulatory status.

SECTION 16: OTHER INFORMATION

This SDS is a general reference compilation and does not replace the manufacturer's or Miles Lubricants LLC's officially issued, lot-specific SDS.