

MILES® GLYCOL ETHER DPM (DIPROPYLENE GLYCOL METHYL ETHER)

Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Dipropylene glycol methyl ether

CAS No.: 34590-94-8 | Formula: $C_7H_{16}O_3$

Recommended Use: Coalescent and solvent in coatings, cleaners, inks, adhesives and agricultural products

Supplier: Miles Lubricants LLC

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

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification: Flam. Liq. 4 (combustible liquid); some supplier SDSs also list STOT SE 3

Signal Word: Warning

Hazard Statements: H227 – Combustible liquid.

Precautionary Statements: P210, P280, P370+P378, P403+P235, P501

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Dipropylene glycol methyl ether (CAS 34590-94-8): >99% (mixed isomers)

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

Eliminate ignition sources. 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. Some elastomers (such as neoprene) can swell on contact.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: OSHA PEL (TWA) 100 ppm (600 mg/m³); ACGIH TLV (TWA) 50 ppm.

Engineering Controls: General or local exhaust ventilation.

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colorless liquid | **Odor:** Mild, ether-like

Boiling Point: approx. 184–190°C (363–374°F) | **Freezing Point:** -83°C (-117°F)

Specific Gravity: 0.951 @ 25°C | **Flash Point (Closed Cup):** 75°C (167°F)

Evaporation Rate: 0.035 (n-butyl acetate = 1.0) | **Viscosity:** approx. 4.3 mPa·s @ 20°C

Solubility in Water: Miscible

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid heat, ignition sources and strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

Low toxicity. May cause mild eye irritation; high vapor concentrations may cause drowsiness.

SECTION 12: ECOLOGICAL INFORMATION

Low aquatic toxicity. Readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose per local/state/federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated in non-bulk packaging (combustible liquid, flash point above 60°C).

Bulk shipments may be regulated as NA1993, Combustible liquid, n.o.s.

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.