

**MILES® DOWFROST™ HD HEAT TRANSFER FLUID, DYED
(INHIBITED PROPYLENE GLYCOL)****Safety Data Sheet****SECTION 1: IDENTIFICATION**

Product Name: DOWFROST HD Heat Transfer Fluid, Dyed

Base Component CAS No.: 57-55-6 (propylene glycol) | Composition: 94% propylene glycol / 6% performance additives

Recommended Use: Closed-loop heat-transfer/HVAC fluid

Supplier: Miles Lubricants LLC

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

SECTION 2: HAZARD(S) IDENTIFICATION

GHS Classification: Not classified as a physical hazard; Eye Irrit. 2A (mild, due to alkaline pH)

Signal Word: Warning (or Not classified, depending on final inhibitor package — confirm with current SDS)

Hazard Statements: H319 – Causes serious eye irritation (mild/reversible).

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Propylene Glycol (CAS 57-55-6): ~94% by weight

Proprietary Corrosion Inhibitor Package: ~6% by weight

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.

Inhalation: Move to fresh air (low volatility; inhalation exposure unlikely under normal use).

Ingestion: Rinse mouth; seek medical attention if large quantities are swallowed.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media: Water spray, CO₂, dry chemical, foam.

Special Hazards: Not classified as a flammable liquid in aqueous/inhibited form; combustion may produce irritating gases.

Firefighter PPE: Standard structural firefighting gear; SCBA in enclosed spaces.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Contain spill; product may create slip hazard. Absorb with inert material; prevent entry into waterways/storm drains.

SECTION 7: HANDLING AND STORAGE

Store in closed containers, protected from extreme temperature and direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No specific exposure limit established for the inhibited fluid; refer to propylene glycol guidance values.

Engineering Controls: General ventilation adequate under normal use.

PPE: Safety glasses; chemical-resistant gloves recommended for prolonged contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Fluorescent yellow liquid | **Odor:** Slight

Specific Gravity: 1.053–1.063 @ 15/15°C (60/60°F) | **pH (50% solution):** 9.5–10.5

Reserve Alkalinity (min.): 15.0 mL | **Recommended Use Temp. Range:** -45°C to 160°C (-50°F to 325°F)

Solubility in Water: Complete (miscible)

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions. Avoid extremes of temperature and prolonged direct sunlight.

SECTION 11: TOXICOLOGICAL INFORMATION

Low acute toxicity. May cause mild, reversible eye irritation due to alkaline pH. No evidence of sensitization in animal studies (per SDS data reviewed).

SECTION 12: ECOLOGICAL INFORMATION

Propylene glycol component is readily biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose per local/state/federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a dangerous good (per manufacturer SDS) confirm current classification for the specific formulation supplied.

SECTION 15: REGULATORY INFORMATION

Listed on TSCA.

SECTION 16: OTHER INFORMATION

This SDS is a general reference compilation based on published technical/safety literature for DOWFROST HD Heat Transfer Fluid, lot-specific SDS. The exact GHS classification and hazard statements should be verified against current SDS, as inhibitor package formulations can be updated.