Dow Propylene Glycols

DOWFROST™ Heat Transfer Fluid

FEATURES:

- Acceptable for use where there is a possibility of incidental food contact
- Made with pharmaceutical grade DOW PuraGuardTM Propylene Glycol USP/EP
- Freeze protection to below -60°F (-51°C) and burst protection to below -100°F (-73°C), depending on concentration
- Industrially inhibited heat transfer fluid with an operating range of -50°F to 250°F (-46°C to 121°C)

SPECS:

- Available in blue and clear
- Food grade: Made entirely from raw materials conforming to FDA CFR 21 and NSF guidelines
- 96% PG / 4% inhibitor package

APPLICATIONS:

- Cooling liquid foods in breweries and vending machines
- Fermentation cooling
- Packaging carbonated beverages such as champagne and beer
- Plastic bottle blow molding in food processors and packaging companies
- Ice-making for ice production plates
- Refrigeration coil defrosting for walk-in freezers and chiller units

DOWFROST™ HD Heat Transfer Fluid

FEATURES:

- Engineered for closed-loop HVAC systems with operating range of -50°F to 325°F (-46°C to 163°C)
- Made with pharmaceutical grade DOW PuraGuard™ Propylene Glycol USP/EP
- Provides freeze protection to below -60°F (-51°C) and burst protection to below -100°F (-73°C), depending on concentration
- Industrial corrosion inhibitors offer additional protection for systems containing copper components
- Widely used wherever low toxicity, environmentally friendly heat transfer fluids are needed - schools, hospitals, and municipalities

SPECS:

- Available in yellow
- NOT food grade
- 94% PG / 6% Inhibitor Package

APPLICATIONS:

- HVAC
- Chill water and hydronic heating loops
- Geothermal
- Snow melt and turf heating systems
- Solar hot water heating
- Ice skating rinks
- Cold storage, refrigerated warehouses, large-scale chiller systems
- Thermal Energy Storage (TES)

LENTUS

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Dow Propylene Glycols

DOWCAL™ 200 Heat Transfer Fluid

FEATURES:

- Provides long-lasting and efficient corrosion protection, particularly for aluminum
- Free of nitrite, borax, and CMR (carcinogenic, mutagenic, and reprotoxic)
- Long fluid lifetime, lowering maintenance cost
- Hard water stability to enable use with local tap water
- Compatible with commonly used elastomers

SPECS:

- Available in clear
- Low acute oral toxicity
- Recommended operating temperature range between -50°F to 350°F (-46°C to 121°C)
- 92% PG / 8% inhibitor package

APPLICATIONS:

- Snow melting systems
- Heat recovery
- Wind turbine systems
- Solar heating
- Photo-voltaic (PV) inverters

DOWFROST™ LC 25 Heat Transfer Fluid

FEATURES:

- Pre-diluted solution of propylene glycol in water with proprietary anti-corrosion inhibitors to maximize thermal transfer and control
- Provides freeze protection for the system loop down to 14°F (-10°C)
- Industrial corrosion inhibitors offer additional protection for metal components with a high copper surface area
- Made with pharmaceutical grade Dow PuraGuard™ Propylene Glycol USP/EP, resulting in a consistent, high-quality fluid that resists foaming
- Cost-effective cooling solution vs air cooling systems

SPECS:

- Fluorescent yellow for easy leak detection
- Thermal stability from -14°F to 195°F (-26°C to 91°C)
- Resists and prevents bio-fouling

APPLICATIONS:

- Direct-to-chip liquid cooling systems
- Liquid-based Datacom Equipment Cooling System (DECS)
- Glycol Cooled Computer Room AC Units (CRAC)
- Pumped refrigerant and glycol loop heat exchangers

Lentus Packages

- 1 gal bottles (excludes LC 25)
- 5 gal pails
- 55 gal drums
- 265 gal totes

*Tankers available for larger jobs

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