

TECHNICAL DATA SHEET (TDS)

Product: GlycoFlow 30 | Revision Date: 2026-01-08 | Version: 1.0

PRODUCT DESCRIPTION

GlycoFlow 30 is a premium, ready-to-use industrial heat transfer fluid formulated with 30% ethylene glycol and a specialized corrosion inhibitor package. It is designed to provide excellent freeze and burst protection while maintaining efficient heat transfer properties in closed-loop water-based systems.

Key Features:

- ✓ Pre-mixed 30% solution (No dilution required)
- ✓ Protection against freezing down to -15°C (5°F)
- ✓ Superior corrosion protection for multi-metal systems
- ✓ Long-term stability and resistance to bio-fouling

RECOMMENDED APPLICATIONS

- **HVAC Systems:** Closed-loop heating and cooling circuits.
- **Process Cooling:** Industrial chillers and molding equipment.
- **Thermal Storage:** Ice production and cold storage systems.
- **Floor Heating:** Hydronic radiant floor heating systems.
- **Solar Thermal:** Liquid transport in non-stagnating solar collectors.

TYPICAL PHYSICAL PROPERTIES

Ethylene Glycol Content	30% by Volume
Appearance	Clear, Colorless Liquid (Dye optional)
Specific Gravity (20°C / 68°F)	1.040 – 1.050
pH (Assolute)	6.0 – 8.0
Freezing Point	-15°C (5°F)
Boiling Point (Atmospheric)	~104°C (219°F)
Flash Point	None (Water-based solution)
Solubility in Water	100% Miscible



CORROSION PROTECTION

GlycoFlow 30 contains a balanced inhibitor system designed to protect common system metals from corrosion, scaling, and cavitation. It is compatible with:

- Steel & Cast Iron
- Copper & Brass
- Aluminum (up to 60°C)
- Stainless Steel

Note: Avoid using with galvanized steel or zinc components as glycol can react with the zinc coating.

STORAGE AND HANDLING

Storage: Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use. Shelf life is approximately 2 years in sealed original containers.

Handling: GlycoFlow 30 is non-flammable but should be handled with care. Wear appropriate personal protective equipment (gloves, safety glasses) during handling. Refer to the Safety Data Sheet (SDS) for detailed safety information.

USAGE INSTRUCTIONS

1. **System Cleaning:** Before introducing GlycoFlow 30, flush the system with water to remove loose debris, rust, or old fluid residue.
2. **Filling:** GlycoFlow 30 is a pre-mixed solution. **Do not dilute further** unless specified by system engineering requirements, as dilution will raise the freezing point and reduce inhibitor concentration.
3. **Maintenance:** Periodically check the pH and fluid clarity annually. Replace fluid if pH drops below 6.0 or if the fluid becomes visibly contaminated.

CONTACT INFORMATION

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