



DU-FROST™ FG



Concentrated Food-Grade Heat Transfer Fluid

DESCRIPTION:

DU-FROST FG is concentrated solution of propylene glycol inhibited with pH buffers and high-performance multi-metal corrosion inhibitors. It is specifically designed for the control of corrosion in food plant closed heating and cooling systems that require freeze protection or boiling point elevation.

DU-FROST FG provides superior corrosion protection to valves, pumps, heat exchangers, and pipes in systems containing components made of yellow metals (i.e. copper and brass) and ferrous metals.

KEY PROPERTIES:

- FDA compliant for incidental food contact as all materials in the product are Generally Regarded As Safe (GRAS) in accordance with 21CFR 184.166, 21CFR 182.6285, and 21CFR 182.3640.
- Best diluted with purified water (demineralized) but usable with most low hardness water
- Controls corrosion of both yellow metals and ferrous metals
- Heavily buffered to extend heat transfer fluid life by compensating for naturally occurring acidic glycol degradation products.

TECHNICAL DATA:

TEST	RESULT
Appearance	Light straw colored liquid
Odor	Mild
pH	9.6 (50% dilution in DI Water)
Specific Gravity/Density	1.054 / 8.79 LBS/GAL
% Propylene Glycol	93%
Reserve Alkalinity	> 15.9
Freeze Point	< -58 °F / < -50°C
Boiling Point	295 °F / 146 °C
Recommended Use Temperature Range	-50 °F to 250°F -45 °C to 120 °C

DIRECTIONS FOR USE:

DUFROST-FG dosage requirements will vary based on the desired freeze protection or boiling point elevation targets. Although designed for use in systems needing 30-50% propylene glycol, it is usable over the extended range of 25-60% propylene glycol. Dilution should only be done with purified (demineralized) water.

MATERIAL COMPATIBILITY:

At normal use concentrations, DU-FROST FG is safe on most metals and plastic/elastomers found in recirculating closed loop systems, including carbon and stainless steel, polyethylene, EPDM, PEX, Teflon, Viton, Kenar, and Hypalon. Check with the manufacturer before using new materials to ensure safety with propylene glycol.

DU-FROST FG has been found to be safe on aluminum up to 150 °F.

SAFE HANDLING & STORAGE CONDITIONS:

Before handling, the Safety Data Sheet (SDS) should be read and understood by all personnel in contact with this product. General indoor storage at room temperature is recommended.

DISPOSAL:

Any disposal of this product should be in compliance with all federal, state, and local regulations. Please refer to the Safety Data Sheet (SDS) for instructions regarding proper disposal of this product.

PRECAUTIONS:

KEEP OUT OF THE REACH OF CHILDREN.

Please refer to the label and Safety Data Sheet (SDS) for all warnings, recommendations for safety equipment, and other regulatory information. Copies of the SDS can be ordered by calling 800-438-2647.



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