



DU-FROST™



Glycol Heat Transfer Solution

DESCRIPTION:

DU-FROST™ is a high quality heat transfer fluid formulated with a high quality inhibition package that is safe on all metals, excluding aluminum above 150°F.

DU-FROST™ is a concentrated propylene glycol solution designed to be diluted with high quality, demineralized water to the glycol concentration needed either for freeze/burst protection or as recommended by the manufacturer for a chiller or other heat exchange equipment.

KEY PROPERTIES:

- Low acute toxicity of propylene glycol makes it a safer-to-use alternative to toxic ethylene glycol
- Phosphate-based inhibitor controls corrosion of ferrous and non-ferrous "yellow" metal surfaces

APPLICATION:

DU-FROST™ is used in hydronic heating systems, plumbing systems, heat transfer systems, and other applications where a high quality heat transfer fluid is required

TECHNICAL DATA:

TEST	RESULT
Appearance	Blue Liquid
Odor	None
Solubility	Water Soluble
% Propylene Glycol	94%
pH	8 - 10
Temperature Range	-60 °C to +121 °C -80 °F to +250 °F

RECOMMENDED USE:

DU-FROST™ dosage requirements will vary according to specified freeze protection or boiling point elevation targets. Your DuBois Representative will provide directions for use in accordance with the specific requirements of your system.

The following chart shows the expected freezing and boiling points at specified dilutions of DU-FROST™:

% DU-FROST™	Freezing Pt.		Boiling Pt.	
	°C	°F	°C	°F
30%	-12.7	9.1	102	214
35%	-16.4	2.5	102.8	217
40%	-21.1	-6.0	103.9	219
50%	-33.5	-28.3	105.6	222

DU-FROST™ can be fed directly from the shipping container into the closed system.

MATERIAL COMPATIBILITY:

At normal use concentrations, DU-FROST™ 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.

Aluminum is safe up to 150 °F. Copper and its alloys are safe up to temperatures of 100 °F.

STORAGE & DISPOSAL CONDITIONS:

General indoor storage at room temperature is recommended.

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.

This information is presented in good faith, but no warranty, expressed or implied is given. The final determination of the suitability of the products for the application contemplated by the user is the sole responsibility of the buyer. This is an uncontrolled copy and changes can be made to this document without notice.



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customerservice@ahbinc.com

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