

ARCTIC FROST

HEAT TRANSFER FLUID

Inhibited Propylene Glycol Based Heat Transfer Fluid. Ready to use 50/50, 60/40, and concentrate

DESCRIPTION

ARCTIC FROST heat transfer fluid is an inhibited propylene glycol designed for use in hydronic systems. The inhibitor system is designed to protect metals commonly found in residential and commercial installations, such as, brass, copper, solder, steel, and cast iron. The **ARCTIC FROST** formulas also includes a pink dye for leak detection, and antifoam to minimize foaming during service. The effectiveness of **ARCTIC FROST heat transfer fluid** in preventing corrosion has been proven both in use and in extensive laboratory testing. Using **ARCTIC FROST** in place of brine solutions or uninhibited glycol/water solutions lowers maintenance costs and improves heat transfer efficiency.

APPLICATIONS

Line Heaters

ARCTIC FROST heat transfer fluid recommended for use in line heaters. A line heater circulates a heated fluid around a pipe to raise the temperature of the pipe contents in order to control reactions or ease pumping operations.

Snow-Melting and Refrigeration Systems

ARCTIC FROST heat transfer fluid is recommended for snow-melting systems for loading ramps, walkways, highways, and airfield runways, and as a coolant in ice rinks and air conditioning systems.

Combination Heating and Cooling Systems

ARCTIC FROST heat transfer fluid is recommended in combination heating and cooling systems for large buildings. The excellent corrosion protection afforded by **ARCTIC FROST heat transfer fluid** prolongs the life of the piping in these systems. **ARCTIC FROST heat transfer fluid** is also excellent for solar energy collection systems.

Hydro Testing

ARCTIC FROST makes a great hydro testing solution because of its low freeze point, and the bright pink color makes for easier leak detection.

For health and safety information for this product: **Contact your NRC sales representative for a copy of the Safety Data Sheet (SDS) at auto@nrcc.com**

TYPICAL PROPERTIES

	50/50	60/40
Color	Pink	Pink
Density, 50°F, lb/gal	8.68	8.72
Flash Point TOC, °F	225°	225°
pH, 33% volume %	9.25	9.5
Specific Gravity, 60/60°F	1.041	1.046
Reserve Alkalinity	12.0 ml	16.0 ml
Freeze Protection, °F 50% Aqueous Solutions	-28.7	-55.0
Specific Heat (Btu/lb. °F)	0.850	0.850



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NRC Alaska, Anchorage, Alaska 99501
907-569-5300