

PURUS[®] EG HEAT TRANSFER FLUID CONCENTRATED & 50/50

Inhibited Propylene Glycol-Based Heat Transfer Fluid

DESCRIPTION: PURUS[®] EG Heat Transfer Fluid is an inhibited ethylene glycol-based heat transfer fluid widely used for process heating and cooling applications, for freeze and burst protection of pipes, and for various ice making, deicing, defrosting, and dehumidifying applications. This product is not for use in automotive or stationary engines.

Closed-Loop Water Based HVAC
Cooling Towers and Chillers
Fire Sprinkler Systems
Gas Dehydrations Units
Ground Source Heat Pumps
Ground Freeze Protection

Ice Making & Ice Skating Rink Systems
Thermal Energy Storage
Secondary Loop Refrigeration
Snowmelt Systems
Trace Line Insulation & Heating
Water Bath Heaters

PERFORMANCE BENEFITS:

- Excellent Low Temperature Pumpability- Provides Freeze protection to -60°F (-51°C) and burst protection to -100°F (-73°C)
- Exceptional Resistance to Fouling and Corrosion- Formulated to neutralize degradation compounds and prevents pH change- improves hardware life
- Superior Corrosion Protection- Utilizes a corrosion inhibitor technology that passivates metal surfaces to prevent corrosion. Meets ASTM D3306 corrosion protection requirements of the ASTM D1384 test method for corrosion, which is the industry test method for corrosion protection of system metals (copper, standard solder, brass, steel, cast iron & cast aluminum)
- Nonflammable – Because the flash and fire points of ethylene glycol are above the boiling point of water, glycols present little fire hazard in storage or handling when mixed with water of 20% concentrations or greater
- Leak Detection- Dyed fluorescent pink color to aid in leak detection

Coolant Concentration (% by Volume)

Temperature		For Freeze Protection	For Burst Protection
(°F)	(°C)		
20	-7	17%	12%
10	-12	27%	18%
0	-18	36%	24%
-10	-23	42%	28%
-20	-29	47%	32%
-30	-34	50%	32%
-40	-40	56%	32%
-50	-46	60%	32%
-60	-51	64%	32%

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TYPICAL PROPERTIES*:

Reserve Alkalinity	D1121	11.0 mL min.
Specific Gravity @ 60 °F	D1122	1.125-1.135
pH 50/50 Solution	D1287	9.0- 9.6
Odor		Not Offensive
Fluid Wt. per Gallon		9.41 lbs./gal
Color		Fluorescent Pink

*Due to continual product research and development, the information contained herein is based on products purchased in the U.S. and subject to change without notification. Typical properties may vary slightly.



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PHTFEG p2