

## PURUS<sup>®</sup> EG HEAT TRANSFER FLUID CONCENTRATED & 50/50

### Inhibited Ethylene Glycol-Based Heat Transfer Fluid

**DESCRIPTION:** PURUS<sup>®</sup> EG 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.

**APPLICATIONS:**

- Closed-Loop Water Based HVAC
- Cooling Towers and Chillers
- Fire Sprinkler Systems
- Gas Dehydration 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 and 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

**TYPICAL PROPERTIES\*:**

	ASTM Test Method	Typical Values
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

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%

\* This product is not for use in automotive or stationary engines

PART #	UNIT
<b>17327</b>	<b>55 GAL FS Drum</b>
<b>17328</b>	<b>55 GAL 50/50 Drum</b>

Can also be ordered in prediluted formulas if a good quality water source† is not available.