

Inhibited Ethylene Glycol-based Heat Transfer Fluid

Thermal Charge EG heat transfer fluid is formulated of 96% weight percent ethylene glycol and has a specially designed package of industrial corrosion inhibitors. The fluid is dyed fluorescent pink to aid in leak detection. Thermal Charge EG provides freeze protection to -60°F (-50°C) and burst protection to -100°F (-73°C).

Recommended use temperature range: -60°F (-50°C) to 250°F (120°C)

PROPERTIES	TYPICAL VALUES	ASTM TEST METHOD
Reserve Alkalinity	11.0 mL min.	D-1121
Specific Gravity @ 60°F	1.125 - 1.135	D-1122
Boiling Point, Reflux	317°F	D-1120
pH 50/50 Solution	9.0 - 9.6	D-1287
Total Water & Inhibitors	4%	D-1123
Total Glycols	96%	E-202

SUITABLE APPLICATIONS

- Water Based HVAC
- Process Heating and Cooling
- Thermal Energy Storage
- Hydronic Heating Systems
- Fire Sprinkler Systems
- Solar Heating

GENERAL DESCRIPTION

Color	Florescent Pink
Odor	Not Offensive
Pack/Unit	Bulk/Drums
Fluid Wt. per Gal.	9.35 - 9.45 lbs./gal.

THERMAL CHARGE EG FLUID % VOLUME REQUIRED

Temperature (F°)	Temperature (C°)	For Freeze Protection	For Burst Protection
20	-7	17%	12%
10	-12	26%	18%
0	-18	35%	23%
-10	-23	41%	27%
-20	-29	46%	31.4%
-30	-34	50%	31.4%
-40	-40	55%	31.4%
-50	-46	59%	31.4%
-60	-51	63%	31.4%

CORROSION TEST RESULTS

Material Tested	ASTM D-1384 Maximum Weight Allowed	Heat Transfer Fluid Results
Copper	10 mg	2 mg
Standard Solder	30 mg	1 mg
Brass	10 mg	2 mg
Steel	10 mg	3 mg
Cast Iron	10 mg	0 mg
Cast Aluminum	30 mg	2 mg

To order call : 855-333-9205
For technical support call : 800-477-5847

	Part #
Bulk	TFA000
Drum	TFA001
Drum 50/50	TFAW51

