PROFLUID
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Technical Data Sheet

ProCharge Heat Transfer Fluid EGLH

Inhibited Ethylene Glycol-Based Heat Transfer Fluid for Line Heaters

ProCharge EGLH heat transfer fluid is a heavy duty formulation of ethylene glycol and a specially formulated package of industrial corrosion inhibitors for use in industrial heat transfer applications. The fluid is dyed green to aid in leak detection. Solutions in water provide freeze protection to below -50°C (-60°F) and burst protection to below -73°C (-100F)‡. This product is not intended for use in vehicle or stationary engine applications.

BENEFITS

- Inhibited Ethylene glycol base for low temperature pumpability and hot surface scale prevention
- Formulated with robust inhibitor package for complete metal corrosion protection and resistance to cavitation as well as compatibility with non-metal /elastomer components in the system. Meets the ASTM D3306 requirements and demonstrate corrosion protection of all system metals. Dilutions below 65% volume meet ASTM D8039 requirements for use in Heat Transfer Application and HVAC Systems
- High boiling point of the fluid presents little fire hazard in storage or when mixed with water at recommended concentrations (at 20% or greater)

GALLONS OF HEAT TRANSFER FLUID PER 100 FEET PIPE*

NOMINAL PIPE SIZE, INCHES	OUTSIDE DIAMETER, INCHES	WALL THICKNESS, INCHES	INSIDE DIAMETER, INCHES	VOLUME, GALLONS PER 100 FEET OF PIPE
1/8	0.405	0.068	0.269	0.295
1/4	0.540	0.800	0.364	0.541
3/8	0.675	0.091	0.493	0.992
1/2	0.840	0.109	0.622	1.578
3/4	1.050	0.113	0.824	2.770
1	1.315	0.133	1.049	4.489
1-1/4	1.660	0.140	1.380	7.769
1-1/2	1.900	0.145	1.610	10.58
2	2.375	0.154	2.067	17.43
2-1/2	2.875	0.203	2.469	24.87
3	3.500	0.216	3.068	38.40
3-1/2	4.000	0.226	3.548	51.36
4	4.500	0.237	4.026	66.13
5	5.563	0.258	5.047	103.9
6	6.625	0.280	6.065	150.1
8	8.625	0.322	7.981	259.9
10	10.750	0.365	10.020	409.6

** Standard Schedule 40 Iron Pipe or 40S Stainless Steel, ASME/ANSI B36.10/19*

SUITABLE APPLICATIONS

- Solar heating systems
- Thermal energy storage
- Trace line insulation & heating
- Water bath heaters
- Natural gas pipeline heaters
- Cooling systems for electric generator engines
- Power plant combustion air pretreaters
- Refineries
- Cooling for gas turbine systems

TYPICAL VALUES FOR PROCHARGE EGLH % VOL

PROPERTIES	ASTM METHOD	CONCENTRATE (100%)	PREDILUTED (50%)	ASTM D3306 LIMITS
Appearance/Color	Visual	Green	Green	-
pH, 50 vol %	D1287	10.5	10.5	7.5-11.0
Specific gravity	D1122	1.122	1.066	1.110-1.145[1] / 1.065 min[2]
Boiling point[3], °F (°C)	D1120	325 (163)	229 (109)	325 (163)[1]/226 (108)[2] min
Freezing point, °F (°C)	D1177	-	-36.2 (-37.9)	-34 (-36.4) max
Effect on Automotive Finish	D1882	No Effect	No Effect	No Effect
Total water, mass %	D1123	<5	50	Report
Ash content, mass %	D1119	<5	<2.5	5 max[1] / 2.5 max[2]
Chloride, ppm	D3634	<25	<25	25 max

1For concentrate product only, 2Prediluted (50/50) only, 3Unpressurized
‡ For specific dilutions, please inquire with a representative

Available in Bulk

NOTE: Values indicated are typical physical properties and are not specification limits. Seller offers no warranty, expressed or implied, concerning the suitability of this product for any particular purpose.

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