



Heat Transfer Fluid

Propylene Glycol or Ethylene Glycol

Description

MAXTECH[®] HTF is formulated with high performance, industrial phosphated inhibitor chemistry to guarantee optimal heat transfer efficiency. Blended with ASTM E1177, virgin propylene glycol or ethylene glycol base, MAXTECH[®] HTF increases system performance and longevity while decreasing long-term maintenance costs.

MAXTECH[®] HTF protects against freeze, burst, and corrosion in the following systems and applications:

HVAC systems, chillers and boilers / hydronic heating and cooling loops, process cooling and heating, ice rinks, data center cooling systems, geothermal pumps, snow melt systems, radiant heating systems, and more.

Benefits

- Meets or exceeds ASTM D8039 - Standard specification for heat transfer fluid for HVAC systems
- Meets or exceeds ASTM D8040 / ASTM D1384 - Multi-metals corrosion protection; ASTM D1881 foam control
- Operating temperature of -60°F to 350°F; up to 150°F in aluminum systems
- Scale inhibitors / dispersants prevent harmful deposits; foam control; hard water stability
- Safe for all common non-metallic components
- Dyed yellow (PG) or pink (EG) for leak detection; dye color optional
- Blended with ASTM D1193 deionized water
- Available in bulk direct-connect into systems, totes, or drums

Typical Properties	Conc.	50%	45%	40%	35%	30%	25%
Glycol, % wt PG/EG	95.0 / 95.0 ¹	50.0 / 50.0	45.0 / 45.0	40.0 / 40.0	35.0 / 35.0	30.0 / 30.0	25.0 / 25.0
Inhibitors + Water, % wt PG/EG	5.0 / 5.0 ²	50.0 / 50.0	55.0 / 55.0	60.0 / 60.0	65.0 / 65.0	70.0 / 70.0	75.0 / 75.0
Boiling Point, °F, PG/EG	270 / 317	221 / 225	219 / 224	218 / 222	216 / 221	215 / 220	214 / 218
Freezing Point, °F, PG/EG	< -60 / -21.6	-21.1 / -29.3	-11.8 / -18.7	-2.4 / -9.8	4.5 / -1.5	10.4 / 5.4	15.6 / 11.4
Burst Point, °F, PG/EG	< -60 / < -60	< -60 / < -60	< -60 / < -60	-60 / -60	-30 / -60	-10 / -15	1 / -8
Density g/mL 68°F, PG/EG	>1.075 / >1.122	1.060 / 1.075	1.055 / 1.068	1.051 / 1.061	1.046 / 1.054	1.040 / 1.046	1.027 / 1.039
pH	³	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0
Reserve Alkalinity, mL (min.)	>15.0	<7.5	>6.5	>6.0	>5.0	>4.5	>3.5
Color, PG/EG	Yellow / Pink for concentrate and dilutions						
Effects on Nonmetals	No adverse affect for concentrate and dilutions						
Storage Ability	> 1 Years for concentrate and dilutions						

¹ Glycol concentration typically a minimum of 95%

² Inhibitor typically a minimum of 5.0% but can be adjusted for custom specifications

³ pH value most applicable with glycol and water blends

*Glycol concentrations less than 25% may be at risk for bacterial contamination.

Attention: These are typical numbers only and are not to be regarded as specifications. As use conditions are not within its control, NOCO does not guarantee results from the use of information herein; and gives no warranty, express or implied.