



MAXTECH[®] FS Heat Transfer Fluid

USP Propylene Glycol, NSF Registered HT1

Description

MAXTECH[®] FS is an NSF[®] registered fluid acceptable for use as a heat transfer fluid where there is possibility of incidental food contact. The two ingredients in MAXTECH[®] FS, USP propylene glycol and dipotassium phosphate, are generally recognized as safe (GRAS) by the FDA and chemically acceptable by USDA in certain food applications.

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

HVAC systems, food and drink refrigeration and process, 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

- + NSF Registration No. 168782 / Category Code: HT1, HT2
- + 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
- + Operating temperature of -50°F to 250°F; up to 150°F in aluminum systems
- + Scale inhibitors / dispersants prevent harmful deposits
- + Safe for all common non-metallic components
- + Blended with ASTM D1193 deionized water
- + Available in bulk direct-connect into systems, totes, or drums

Typical Properties	Concentrate	40%	35%	30%	25%
Glycol, % wt	96.0 ¹	40.0	35.0	30.0	25.0
Inhibitors + Water, % wt	4.0 ²	60.0	65.0	70.0	75.0
Boiling Point, °F	270	218	216	215	213
Freezing Point, °F	< -60	-4.2	3.9	10.1	15.0
Burst Point, °F	< -60	-60	-33	-15	0
Density g/mL 68°F	1.060	1.051	1.046	1.040	1.027
pH	³	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0	9.0 - 10.0
Reserve Alkalinity, mL (min.)	>10	>4	>3.5	>3	>2.5
Color	Clear	Clear	Clear	Clear	Clear
Effects on Nonmetals	No adverse effect	No adverse effect	No adverse effect	No adverse effect	No adverse effect
Storage Ability	>1 years	>1 years	>1 years	>1 years	>1 years

¹ Glycol concentration typically a minimum of 96%

² Inhibitor typically a minimum of 4.0% 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.