



PROTOCOL[®] HT-100

HIGH TEMPERATURE / HEAVY-DUTY

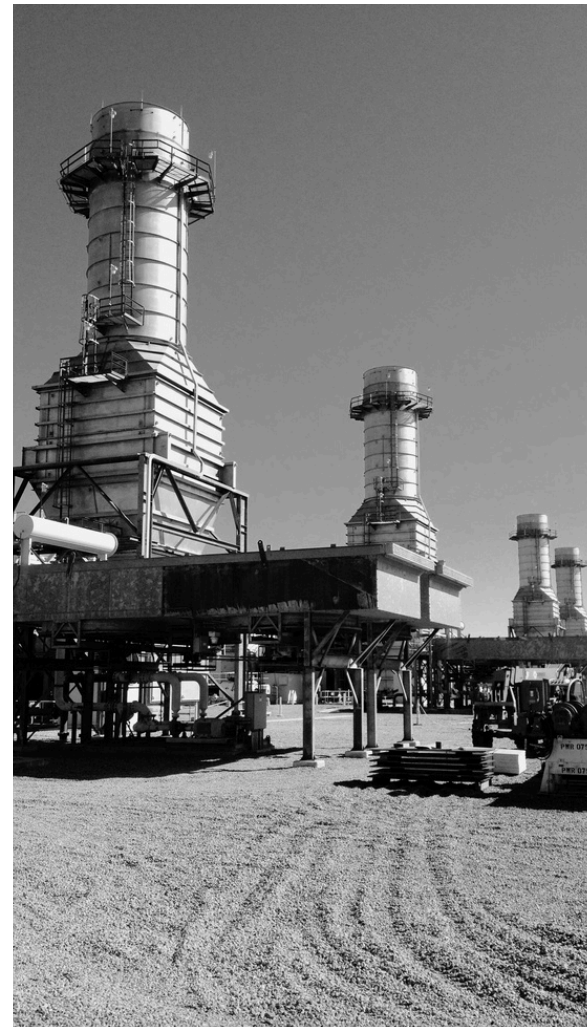
Product Description

PROTOCOL HT is a high-performance ethylene glycol-based heat transfer fluid, chemically engineered for demanding applications with an operating range from -60°F to 350°F. Formulated with organic and inorganic inhibitors, PROTOCOL HT offers mixed-metal corrosion protection with excellent pH buffering properties, ensuring long-term performance for continuous use heavy-duty applications.

PROTOCOL brand heat transfer fluids are blended as concentrate or pre-mixed with deionized water to meet critical performance specifications. All products are available in sizes from 5-gallon pails to bulk tanker quantities and come backed by a comprehensive glycol analysis program to ensure years of trouble-free service.

Typical Applications

- Closed Loop Hydronic Systems
- Process Heating & Cooling
- Natural Gas Pipeline Heaters
- Power Plant Combustion Preheater
- Injection Molding & Plastic Extrusion
- Standby Generators





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Technical Data

Typical* Composition: HT-100, v%

Ethylene Glycol	≥ 93
Inhibitors	≥ 6
Color	Bright Orange
Specific Gravity	~ 1.125 - 1.130
pH, 50% solution	~ 9.0 - 10.5
Reserve Alkalinity, 100%	~ 15.0 (min)

Typical* Properties: HT-50, v%

BP @ 760 mm Hg (50%)	~ 225°F
Flash Point (<90%)	None
VP mm Hg (50% @ 68°F)	~ 13
Thermal Conductivity (50% @ 68°F)	~ 0.23
Specific Heat (50% @ 68°F)	~ 0.80
Viscosity (50% @ 68°F)	~ 3.37

Typical* Properties (solutions), v%

Freeze Point (°F)	Volume %	Boiling Point (°F)
15	20	215
9	25	217
3	30	218
-4	35	219
-13	40	221
-24	45	223
-36	50	225

*Typical Properties, not to be construed as specifications.