



# PROTOCOL<sup>®</sup> LT-100

LOW TEMPERATURE / LIGHT-DUTY

## Product Description

PROTOCOL LT is a ethylene glycol-based heat transfer fluid developed for a range of applications with an operating range from -60°F to 250°F. Formulated with organic and inorganic inhibitors, PROTOCOL LT offers mixed-metal corrosion protection with pH buffering properties for long-term performance in light-duty heating and cooling 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
- Injection Molding & Plastic Extrusion
- Ice Skating Rinks
- Ice & Snow Melt Systems
- Industrial Refrigeration Systems
- Standby Generators





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## Technical Data

### Typical\* Composition: LT-100, v%

Ethylene Glycol	≥ 93
Inhibitors	≥ 6
Color	Bright Yellow
Specific Gravity	~ 1.105 - 1.150
pH, 50% solution	~ 8.0 - 9.5
Reserve Alkalinity, 100%	~ 8.0 (min)

### Typical\* Properties: LT-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)	~ 0.222
Specific Heat (50% @ 68°F)	~ 0.77
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.