THERMINOL®
FR LO-TEMP MODIFIED
FIRE RESISTANT
HEAT TRANSFER
FLUID

. . . the fire-resistant, low-temperature liquid phase heat transfer fluid with very low temperature pumpability.

TECHNICAL BULLETIN (T-LT)

corrosion data - with 2 Teel
drip [illegible]
[illegible]
300°F [illegible]

400°F - [illegible]
- [illegible] - N

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Organic Division/800 N. Lindbergh Blvd./St. Louis, Missouri 63166

FUNCTIONAL FLUIDS Monsanto®

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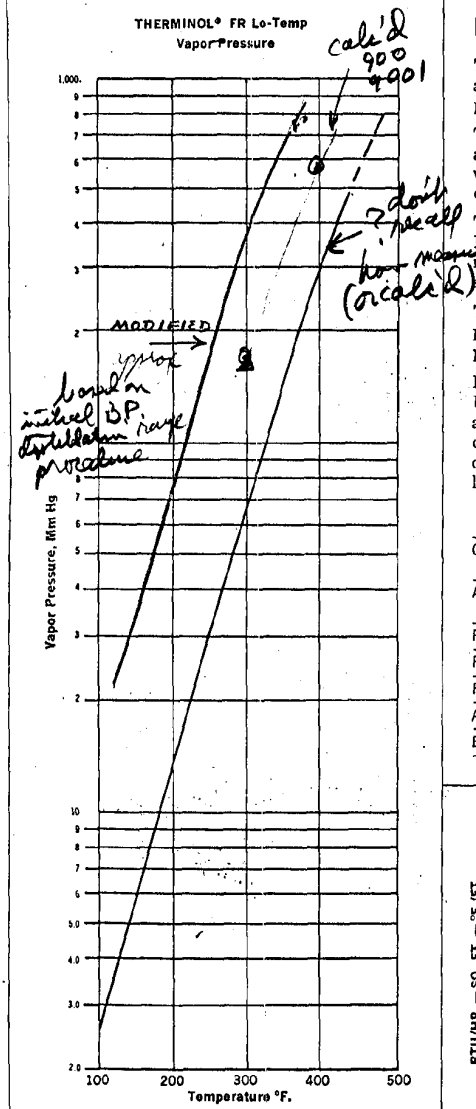


Introducing Therminol® FR Lo-Temp

Therminol FR Lo-Temp is our newest fire-resistant heat transfer fluid formulated specifically for practical pumpability at −40°F.

This low-temperature fluid permits installation of a non-pressurized system operating with a liquid which has no fire point and will not support combustion.

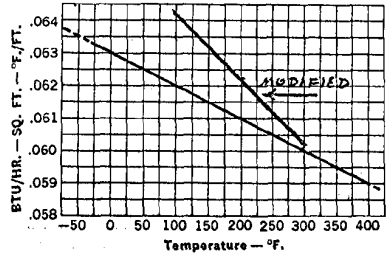
The recommended operating range of Therminol FR Lo-Temp is −40°F to 400°F. It will not show measurable change after years of exposure at such temperatures.

The fluid is a chemically inert, noncorrosive compound with a pour point of −60°F and a vapor pressure of only 300 mm of mercury at 400°F.

Listed as a fire resistant heat transfer media by Underwriters Laboratories, it can be installed for a wide range of uses in both space heating and cooling, gas processing and distribution, and industrial heating and cooling under conditions of low ambient temperatures.

TYPICAL PROPERTIES

Composition		Chlorinated biphenyls and hydrocarbons	
Appearance		Oily, clear, nearly colorless liquid	
Pour Point		−60° F.	MODIFIED
Flash Point	✓	280° F.	230°F
Flame Point	✓	None to boiling	430°F
Autoignition Temperature	✓	Over 1100° F.	OVER 1000°F
Boiling Range		432° F. — 627° F	384 - 664°F



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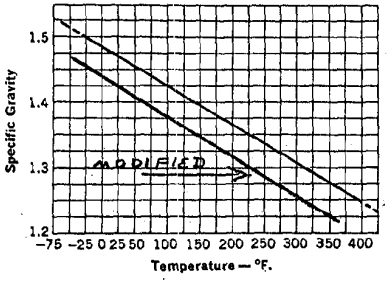
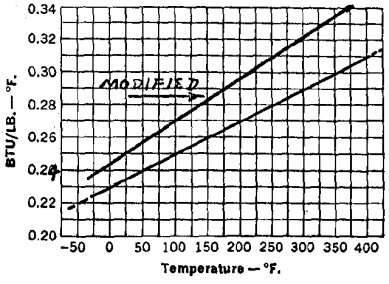
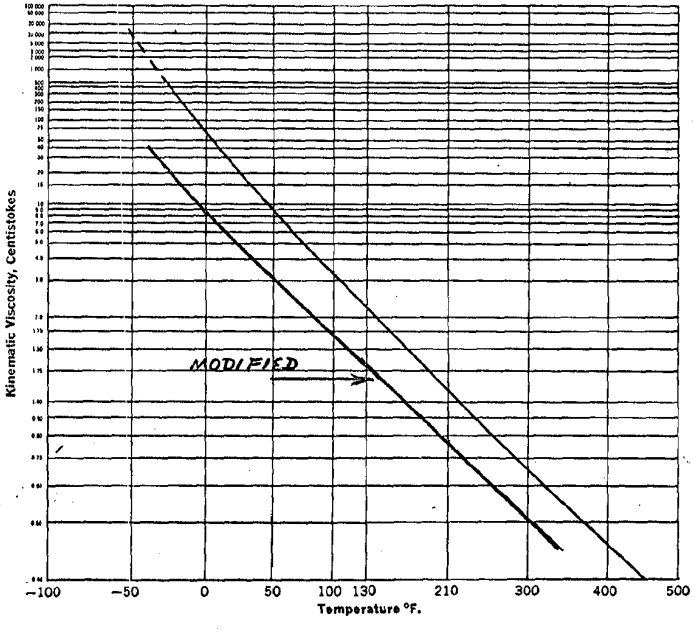
THERMINOL® FR Lo-Temp
Specific Gravity



THERMINOL® FR Lo-Temp
Specific Heat



THERMINOL® FR Lo-Temp
Viscosity



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