THERMINOL®
FR LO-TEMP
FIRE RESISTANT
HEAT TRANSFER
FLUID

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

TECHNICAL BULLETIN (T-LT)

"Nothing contained herein is to be construed as a recommendation to use any product in conflict with any patent. MONSANTO MAKES NO WARRANTIES AS TO THE FITNESS OR MERCHANTABILITY OF ANY PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations, and disclaims all liability for any resulting loss or damage."

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

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FUNCTIONAL FLUIDS

Monsanto

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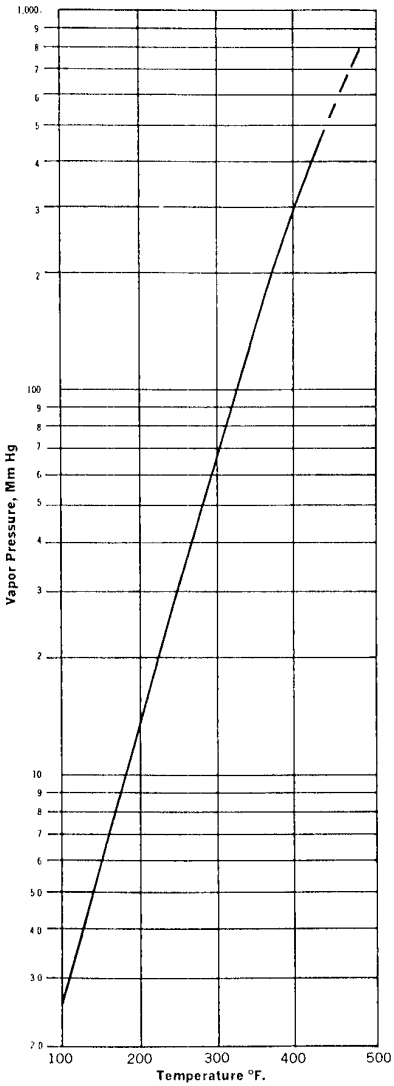
THERMINOL® FR Lo-Temp
Vapor Pressure



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.

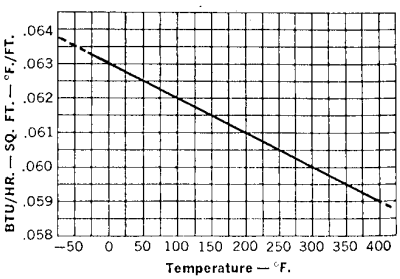
The fluid is a chemically inert, noncorrosive compound with a pour point of −60°F and a vapor pressure of only 300 mm of mercury at 400°F.

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.
Flash Point	280° F.
Flame Point	None to boiling
Autoignition Temperature	Over 1100° F.
Boiling Range	432° F. — 627° F.

THERMINOL® FR Lo-Temp
Thermal Conductivity



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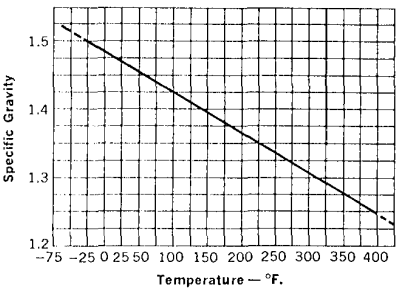
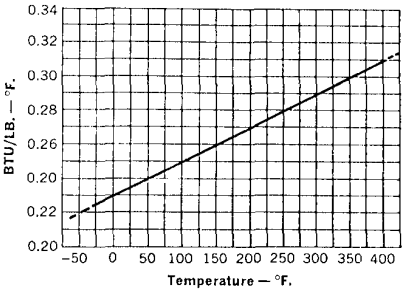
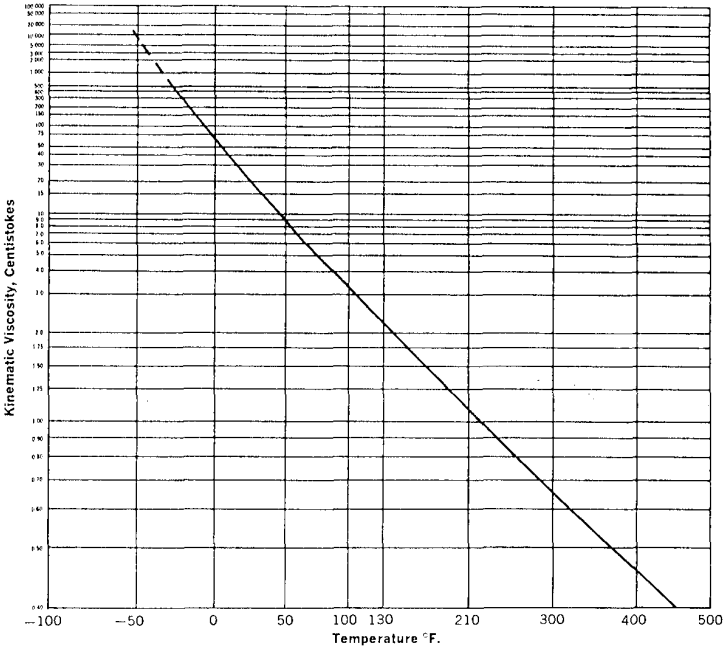
THERMINOL® FR Lo-Temp
Specific Gravity



THERMINOL® FR Lo-Temp
Specific Heat



THERMINOL® FR Lo-Temp
Viscosity



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