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MONSANTO COMPANY
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THERMINOL® 66 HEAT TRANSFER FLUID

...for use in liquid phase between 0-650°F without system pressurization

TECHNICAL BULLETIN (T-66)

"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

FUNCTIONAL FLUIDS Monsanto

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TOWOLDMON0039271

Introducing Therminol® 66

Therminol® 66 is a heat transfer fluid for use in liquid phase between 0-650°F without system pressurization. The low pour point of this product permits start up at fluid temperatures as low as 0°F.

To minimize fluid oxidation, systems with Therminol 66 should be blanketed with an inert atmosphere. A system relief valve should also be provided. Therminol 66 is ideally suited to replace organic fluids that have lower boiling points and must operate under system pressure at 650°F.

Therminol 66 can support combustion and should not be confused with Monsanto's Therminol FR fire-resistant fluids.

TYPICAL PROPERTIES OF THERMINOL® 66

Composition	Modified terphenyls
Appearance	Oily liquid
Color	Practically colorless
Odor	Faint, characteristic
Pour Point	−26° — −28°C. −15° — −18°F.
Flash Point	168° — 180°C. 334° — 356°F.
Flame Point	190° — 202°C. 374° — 392°F.
Autoignition Temp.	364°C. 705°F.
Coefficient of Expansion	0.000741 cc/cc C.
Boiling Range	340° — 396°C 644° — 745°F

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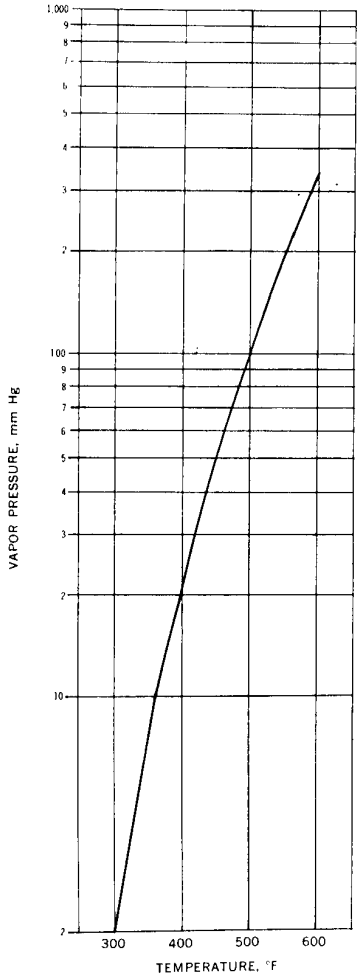
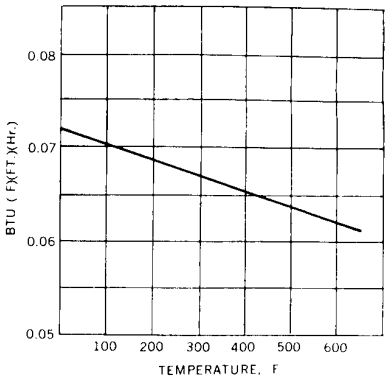
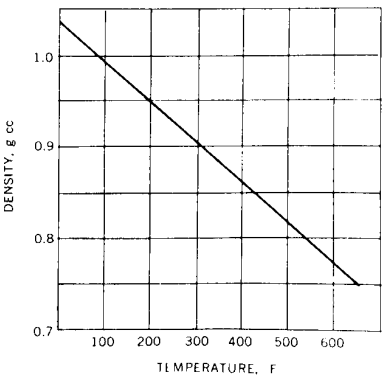
VAPOR PRESSURE



THERMAL CONDUCTIVITY
(calculated)



DENSITY



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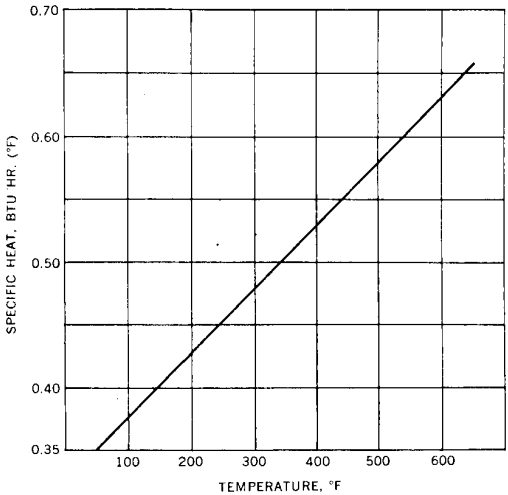
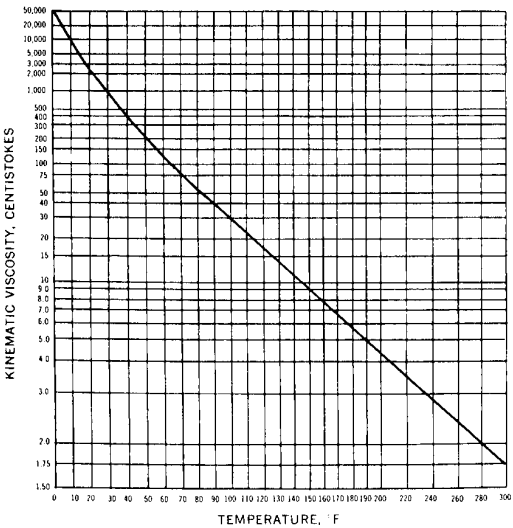
SPECIFIC HEAT



KINEMATIC VISCOSITIES



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