HEAT TRANSFER FLUID

THERMINOL FR - Lo Temp

THERMINOL FR-Lo Temp is a low temperature, fire-resistant heat transfer fluid formulated specifically for practical pumpability at -20°F.

THERMINOL FR-Lo Temp permits installation of a non-pressurized system operating with a liquid that has no fire point, and will not support combustion.

The recommended operating range of THERMINOL FR-Lo Temp is -20°F. to 400°F. and will not show measurable change after years of exposure at such temperatures.

The fluid is non-corrosive with all common metals used in heat transfer system design.

Monsanto Company
Organic Division
Functional Fluids
800 North Lindbergh Blvd.
St. Louis, Missouri 63166

TOWOLDMON0037472
WATER_PCB-00021941

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.
Distillation Range:	
First drop	432° F.
10%	433° F.
90%	627° F.
Acidity	<0.01 mgKOH/g.
Moisture	<50 PPM

Temp. ° F.	Density gm/cc	Kinematic Viscosity cs.	Specific Heat* Btu/lb °F.	Thermal Conductivity* Btu/hr-ft-°F	Vapor Pressure mm.Hg.
-30	1.5051**	658	0.224	0.0633	1.0
-20	1.4985	264	0.226	0.0632	--
0	1.4870	65	0.23	0.063	--
40	1.4630	12.2	0.238	0.0626	1.1
100	1.4260	3.39	0.26	0.062	2.7
200	1.3665	--	0.27	0.061	12.6
210	--	1.084	--	--	--
300	1.3060	--	0.29	0.060	69
400	1.2460**	0.459	0.31	0.059	300

* Calculated values
** Extrapolated values

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WATER_PCB-00021942