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

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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