DEVELOPMENTAL SYNTHETIC FLUIDS

THERMINOL 60®

Typical Physical Properties

Operating Range, °F	-60° to 600°F
Appearance	Clear liquid
Odor	Faint
Flash Point, C.O.C., °F	310°
Fire Point, C.O.C., °F	320°
A.I.T., °F	835°
Pour Point, °F	-80° to -90°
Viscosity, cs	
-65°F	3850
100°F	4.90
200°F	1.75
300°F	0.97
400°F	0.62
500°F	0.46
Specific Gravity, g/cc	
-65°F	1.02
75°F	0.998
100°F	0.985
200°F	0.926
300°F	0.910
400°F	0.875

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MONSANTO COMPANY • 800 NORTH LINDBERGH BLVD. • ST. LOUIS, MO. 63166

TO ASSIST YOU IN THE EVALUATION OF THE ABOVE PRODUCT, WE HAVE OBTAINED THE INFORMATION CONTAINED IN THIS BULLETIN FROM LITERATURE SOURCES AND PRELIMINARY INVESTIGATION IN OUR OWN LABORATORIES. WHILE WE BELIEVE THE INFORMATION IS ACCURATE, WE ASSUME NO RESPONSIBILITY AND DISCLAIM ANY LIABILITY INCURRED IN USING THESE DATA OR SUGGESTIONS. ONLY QUALIFIED TECHNICAL PERSONNEL SHOULD WORK WITH THIS PRODUCT UNTIL SUBSEQUENT STUDY ESTABLISHES ITS USE IN YOUR PROD-

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Specific Heat, Btu/lb.-°F	
100°F	0.450
200°F	
300°F	
400°F	0.580*
Thermal Conductivity, BTU/hr-ft.°F**	
100°F	0.700
Vapor Pressure, mm HG	
300°F	12
400°F	60
500°F	250
600°F	760
640°F	-

*Extrapolated - Additional data being obtained.
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Toxicity

Therminol 60 is classified as practically non-toxic based on acute oral and acute skin absorption studies on rats and rabbits.

These products are classified as mild skin and eye irritants.

These products are classified as practically non-toxic in acute vapor inhalation tests.

These products require no special handling precautions nor should they present an environmental hazard.

Therminol 60 is intended for indirect heating purposes only. Under no circumstances should heat transfer fluids contact or in any way contaminate food, animal feed, food products, food packaging materials, pharmaceuticals or any food related items. Any such contact may contaminate these items to the extent their destruction may be required.

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