



# PAG HT FLUID

## (Heat Transfer Fluid)

**PAG HT FLUID** is a high performance low odor heat transfer fluid. It is designed for industrial applications where a high level of thermal efficiency and long service life are required.

**PAG HT FLUID** is a full synthetic polyalkylene glycol fluid which is rated for applications up to 510 degrees F (or 265 C). It contains potent additives of low volatility to inhibit oxidation and thermal degradation. It is formulated to minimize deposits and reduce sludge while maximizing life.

Its low vapor pressure reduces the risk of pump cavitation, decreases odors and reduces fire hazards which lead to safer operations.

It is non-toxic and non-hazardous and does not require any special health or safety warnings or disposal procedures.

### **BENEFITS:**

- FULL SYNTHETIC
- EXCELLENT SERVICE LIFE
- RESISTS OXIDATION AND SLUDGE OR VARNISH FORMATION
- REDUCES FOULING
- LOW VOLATILITY
- HIGH THERMAL CONDUCTIVITY

### **APPLICATIONS:**

**PAG HT FLUID** is recommended for use up to 510 F. It is recommended in applications where the heat transfer fluid continually operates at high temperature. Its oxidation stability meets or exceeds the performance level of most competitive glycol-based heat transfer fluids.



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## TYPICAL CHARACTERISTICS

Product Code	NA
Appearance of liquid	clear
Viscosity, cSt @ 40 °C	49.2
@ 100 °C	9.2
Viscosity, cSt at 400 °F (205 °C)	2.25
at 500 °F (260 °C)	1.46
Viscosity Index	172
Auto-Ignition Point °F	620 (327)
Pour Point (ASTM D-97) °F (°C)	-40 (-40)
Flash Point (ASTM D-92) °F (°C)	515 (268)
Molecular weight,	320
Carbon residue, mass%	0.007
Density @ 60 °F	
100 °F	0.900
300 °F	0.837
500 °F	0.775
Thermal Conductivity, BTU/hr-Ft <sup>2</sup> -°F; (W/m-K)	
@ 100 °F	0.094 (0.162)
@500 °F	0.075 (0.125)
Minimum temperature for fully developed turbulent flow (10 ft/sec, 1-inch tube)	225 F*
Boiling range, 10% °F (°C)	700 (371)
Boiling range, 90% °F (°C)	962 (517)
Maximum Use Temperature °F (°C)	510 (265)

Values are for comparison purposes only.

\* Estimated value

3/29/2009