TECHNICAL DATA SHEET

AIMOL Heattech SHT

Premium heat transfer fluids

DESCRIPTION

AIMOL Heattech SHT fluid is made with very thermally and oxidative stable synthetic base fluids. It is further enhanced with proprietary additives that greatly extend their life over normal and other synthetic fluids and provide for exceptional performance and very high operating temperatures in both open and closed systems. AIMOL Heattech SHT fluid is non toxic and non hazardous and resist carbon formation.

BENEFITS

- Excellent thermal & oxidation stability which contributes to long life at very high temperatures
- Very high flash, fire & auto-ignition temperatures for added safety
- Very low volatility and vapor pressures
- High heat capacity and thermal conductivity
- Excellent deposit control to help keep system clean
- Low viscosity at operating temperatures for improved pumping efficiency
- Excellent demulsibility and cold flow properties for smother start ups

APPLICATION

AIMOL Heattech SHT fluid is used as a heat transfer medium in numerous types of heat transfer systems, designed for systems operating at a maximum temperature of 328°C. The maximum film temperature is 343°C.

TYPICAL FIGURES

Parameter	Heattech SHT
Flash point °C	228
Viscosity @ 40 °C, cSt	42
Viscosity @ 100 °C, cSt	6,6
Auto ignition point, °C	366
Pour point °C	-12
Carbon residue % mass	0.007
Copper strip corrosion, 24 hrs @ 100°C	1a
Distillation range 10% °C	390
Distillation range 20% °C	498
Density kg/m³ @ 38 °C	840
Density kg/m³ @ 204 °C	733
Density kg/m³ @ 260 °C	690
Density kg/m ³ @ 316 °C	655
Thermal conductivity (W/mk) @ 38°C	0.143
Thermal conductivity (W/mk) @ 204°C	0.134
Thermal conductivity (W/mk) @ 260°C	0.131
Thermal conductivity (W/mk) @ 316°C	0.128
Heat capacity (kj/kg K) @ 38 °C	1.99
Heat capacity (kj/kg K) @ 204 °C	2.55
Heat capacity (kj/kg K) @ 260 °C	2.75
Heat capacity (kj/kg K) @ 360 °C	2.92
Vapour pressure (kPA) @ 204 °C	0.48
Vapour pressure (kPA) @ 260 °C	2.69
Vapour pressure (kPA) @ 316 °C	11.3

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TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

HEALTH AND SAFETY

AIMOL Heattech SHT has no adverse health effects provided it is used as directed.

DISCLAIMER

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.

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