SARTHERM LT

Last Updated: 09.01.2025
Product Code: IH0120

SARTHERM LT is a low viscosity, low temperature heat transfer oil, formulated using high quality mineral oil with enhanced levels of thermal stability, and incorporating low vapour pressure and specific heat and thermal conductivity properties, as well as exhibiting exceptional low temperature fluidity.

APPLICATION

Recommended primarily for non-pressurised closed liquid phase heating systems that incorporate both heating and cooling branches, with the low temperature fluidity ensuring that adequate circulation occurs in the coolest parts of the circuit. Maximum recommended bulk fluid temperature is 250°C, and the fluid also operates effectively in cooling systems down to bulk temperatures of 30°C.

Although Sartherm LT is formulated with enhanced oxidation stability properties, it is advisable to take recautions to minimize exposure to air, especially if the temperature of the fluid in the expansion chamber exceeds 50°C. It is suggested that a floating cover be provided or the oil can be blanketed with inert gas.

BENEFITS

- Wide effective operating temperature range.
- Exceptional heat transfer properties which can be maintained over long periods of time.
- Suitable for use with systems incorporating both heating and cooling branches.

PERFORMANCE PROFILE

Suitable for heat transfer systems working in a temperature range of 30°C to 250°C . Flush and drain the system, then fill with fresh Sartherm LT. Take care to make sure all air is completely vented from the system before full temperature is imposed. For maximum efficiency, the heat transfer fluid should be circulated in conditions of turbulent flow.

TYPICAL PROPERTIES

Appearance	Pale Liquid
Pour point	-30°C
Flash point (PMCC)	140°C
Kinematic Viscosity @ 40°C	10.5 cSt
Density @ 15°C	0.867
Auto ignition temperature	310°C

HEALTH & SAFETY

Please refer to the Safety Data Sheet, freely available, for product handling and disposal advice. Please note that the SDS includes handling, storage, health and disposal information which should be passed on to anyone else who comes in contact with our product. Additional advice can also be obtained from your local representative.

NOTE: Read and understand all precautions on container labels before using this product.

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