

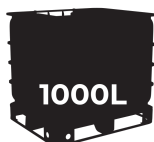
MANUTEC HEAT TRANSFER M 46

Product Code: HEAT002 | **Revision:** 20260129



A high-quality, mineral oil based heat transfer fluid for industrial heat transfer systems.

Available Pack Sizes



Applications

High-quality inhibited mineral oil developed for use in open and/or closed liquid-phase heat transfer systems. Formulated from premium paraffinic base oils and an ashless additive system, it delivers excellent thermal stability and oxidation resistance, helping to minimise carbonisation while resisting thermal cracking and sludge formation for long service life. Suitable for use in industrial closed systems and low temperature open systems, it is specifically recommended for low ambient temperature applications, including outdoor bitumen heating where reliable and consistent heat transfer is required.

Recommended by Aztec Oils as suitable for the following applications

Suitable for use in direct and indirect-fired hot oil heaters in asphalt plants, hot corrugation and gluing processes, dehydration systems, moulding and extrusion equipment, plastic and wax coating equipment and central hot oil systems. The maximum bulk operating temperature is 315 °C for closed systems and 180 °C for open systems.

Benefits

- Exhibits excellent flow characteristics at low temperatures, ensuring reliable pumpability & circulation.
- High thermal stability.
- Non-corrosive to steel or copper under normal operating conditions.
- Superior oxidation resistance & corrosion protection to support long service life.

Typical Test Data

Density @ 15°C (kg/m ³)	ASTM D4052	0.87
Flash Point (°C)	ASTM D92	>200
Kinematic Viscosity @ 40°C (mm ² /s)	ASTM D445	46
Kinematic Viscosity @ 100°C (mm ² /s)	ASTM D445	6.7
Pour Point (°C)	ASTM D97	<-20
Viscosity Index	ASTM D2207	97

The typical test data provided is taken from average values, there will be some variability in production and therefore do not constitute a specification.

Health, Safety & Recommendations

- A Safety Data Sheet is available for consultation at www.aztecoils.co.uk.
- Packaging should not be left exposed to elements and drums should be laid horizontally to prevent contamination.
- This product should not be stored at temperatures over 60°C, kept out of direct sunlight, protected from frost and fluctuations in temperature.
- When disposing of the product after use, please protect the environment and comply with local regulations.

In line with our policy of continued improvement, Aztec Oils reserve the right to change specifications and availability without prior notice. This product, used according to our recommendations and for its designed application, does not represent any particular risk. The information present in this technical data sheet is indicative of the product and is given in good faith, but should not form part of any specification.

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