



**THERMAL
FLUID
SOLUTIONS**

www.thermalfluidsolutions.com

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THERMALTRANS FG HEAT TRANSFER FLUID

Our Thermal Fluid Solutions Thermaltrans FG is an ultra-pure, high quality heat transfer fluid, specially designed for use in food process plants. Its exceptional resistance to oxidative breakdown promotes a long service life and greatly reduces solid/resin formation, reducing the risk of blocked valves and premature oil changes, increasing operation efficiency.

PERFORMANCE BENEFITS

- NSF Approved – Making it an ideal choice in a multitude of applications such as central heating cooking facilities and in the manufacturing of food packaging products.
- High Temperature Performance – May be used in heat transfer systems with continuous bulk operating temperatures up to 326°C. The increased lubricity at high temperatures leads to reduced pump bearing wear, and greatly reduces solid/resin formation which can block valves and result in loss of system efficiency.
- Thermal Stability – Thermally stable, excellent heat transfer efficiency and service life.

**NSF and FDA
Approved**



**FDA U.S. FOOD & DRUG
ADMINISTRATION**



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PRODUCT SPECIFICATION

Appearance	Clear colourless liquid
Specific Gravity @ 15 oC	0.869
Coefficient of thermal expansion	0.000760 per °C
Kinematic viscosity at 100°C (ASTM D-445)	5.8cSt
Kinematic viscosity at 40°C (ASTM D-445)	35cSt
Pour Point	-18°C
Closed Flash Point (IP34)	>218°C
Vapour Pressure, kPa @ 300°C	11.00
Pseudocritical density	298 kg/m ³ (2.49 lb/ft ³)
Maximum oil film temperature	340°C
Maximum bulk oil temperature	325°C

Email the **TFS Team**, office@thermalfluidsolutions.com
or visit www.thermalfluidsolutions.com