

# HITEMP 600

## Product Description

HITEMP 600 is a high quality heat transfer fluid of superior thermal stability, produced from a highly refined paraffinic base oil and contain anti-oxidation additives, which provide good thermal stability and long service life. It is recommended for use in open indirect heating systems.

## Benefits

- Exhibits good thermal and oxidation stability to resist sludge formation.
- Characterizes very low evaporation loss
- Provides high flash point and good low-temperature flow characteristics.
- Non-corrosive and non-toxic.

## Applications

- Suitable for open indirect heating systems which operating temperature below 200 °C
- Can be used in heat transfer systems requiring temperature control in all industries such as dye-works, bleaching plants ,plastics and plywood industries
- Service life of 4-6 years

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## Typical Characteristics

Tests	Methods	Units	Results		
Density at 15 °C	ASTM D 4052-11	kg/m <sup>3</sup>	878.0		
Autoignition Temperature		°C	355		
Flash Point (COC)	ASTM D 92	°C	220		
Maximum bulk temperature		°C	320		
Maximum film temperature		°C	340		
Physical & Thermal Properties versus Temperature		Unit	100 °C	200 °C	300 °C
Density	ASTM D 4052-11	kg/m <sup>3</sup>	830.0	785.0	727.0
Viscosity	ASTM D 445-11	cSt	6.76	1.98	0.84
Specific Heat		kJ/kg°C	2.10	2.61	2.69
Thermal Conductivity		W/m°C	0.129	0.123	0.119
Vapor Pressure		mbar	0.0012	0.69	10.09

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttor.com>

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The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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