



# Dalian Richfortune Chemicals Co., Ltd.

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## **RFCTHERM-315**

### **Product Description**

**RFCTHERM-315** is a synthetic heat transfer fluid used in moderate temperature applications , the main constituent is Alkylaromatic Derivatives. **RFCTHERM-315** was designed for long life, non-fouling, low temperature pump-ability and low cost, If your systems don't have any protection from inert nitrogen, the performance advantages of **RFCTHERM-315** will be significant, it resists the effects of oxidation far better than mineral oils, You will get years of reliable, cost effective performance, even when operating your system continuously at 315 . This means you do not have to over specify your fluid.

### **The Temperature Range for Use**

Liquid(Vapor): -30 to 315

### **Applications**

It can be used in a wide variety of industries, such as:

- Chemicals
- Natural Gas purification
- Plastics/molding operations
- Asphalt and Petroleum Product Storage
- Biodiesel



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## Typical Properties

Property	Standard
Appearance	pale yellow transparent liquid
Density g/cm <sup>3</sup> (20 )	0.840-0.890
Kinematic Viscosity mm <sup>2</sup> /S(40 )	15 ~ 35
Water(mg/Kg)	200
Crystal Point	-35
Maximum Operation Temperature	315
Normal Boiling Point	380
Flash Point	190
Auto-ignition Temperature	370
Residual Carbon(wt%)	
Latent Evaporation Heat Kcal/kg ( Boiling point )	55
Expansion coefficient(cc/cc )	$8.0 \times 10^{-4}$
Pumpability	-30
Heat(Kcal/kg. ) 300	0.692



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Thermal conductivity ( Kcal/m.h ) 300		0.082
Vapor pressure(mmHg) 300		261
Average Molecular weight		320
Distillation( )	5%	330
	50%	360
	90%	390