



# Dalian Richfortune Chemicals Co., Ltd.

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## **RFCTHERM-340**

### **Product Description**

**RFCTHERM-340** has a single molecular structure and high purity, its main ingredient is

Dibenzyltoluene, it is a high temperature liquid phase heat transfer fluid with excellent thermal

stability. **RFCTHERM-340** was developed for use at temperatures up to 340 °C in liquid phase heat

transfer systems, Very high resistance to oxidation as well as high resistance to sludge and fouling

can result in a significant reduction in capital investment, and reduced utility and maintenance costs

as compared with other pressurized systems using more volatile high temperature heat transfer

fluids.

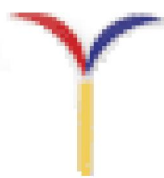
### **The Temperature Range for use**

Liquid: -30 °C to 340 °C

### **Applications**

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

- Chemicals
- Refining
- Oil and Gas Processing
- Switch Condensers
- Pharmaceuticals Manufacturing
- Specialty and Batch Chemical Production



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## Typical Properties

Property	Standard
Appearance	Colorless or pale yellow transparent liquid
Density g/cm <sup>3</sup> (20 )	1.035-1.045
Kinematic Viscosity mm <sup>2</sup> /S(40 )	10 ~ 20
Water(mg/Kg)	100
Crystal Point	-30
Maximum Film Temperature	425
Normal Boiling Point	391
Flash Point	200
Auto-ignition Temperature	500
Residual Carbon(wt%)	
Maximum Use Temperature	340
The Permission Maximum Temperature	380
Expansion coefficient(cc/cc )	$8.7 \times 10^{-4}$
Pumpability	-20



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Heat(Kcal/kg. )	0.578
Thermal conductivity ( Kcal/m.h )	0.09
Vapor pressure(mmHg)	5
Average Molecular weight	270
S	5ppm
CL	10ppm



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