

# 樂仕化工貿易公司

## Roxy Chemical Trading Co.

香港 九龍 葵芳葵豐街 1-15 號盈業工廈 10 樓 1005A 室  
Unit 5A, 10/F, Profit Industrial Building,  
1-15 Kwai Fung Crescent, N.T. Hong Kong  
Phone : 852-2406 8223  
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E-mail address : nichibei@sinatown.com

## TECHNICAL DATA SHEET

**PRODUCT NAME**                      **NFHTF-STD.1 模具熱傳遞油**  
Heat Transfer Oil for Mg Alloys high pressure Die-casting

**APPLLCATION**                      indirect closed heat-transfer systems  
It is also suitable as a general purpose quenching oil.

### TYPICAL PHYSICAL CHARACTERISTICS

Max. operating temp. ( )	320
Density at 20	0.88
Viscosity at 50	29
Kinematic cSt 100	4.8
Viscosity Index	108
Flash point o.T. ( )	220
Pour point ( )	-18
Specific heat at 150	0.57
Heat conductivity at 150	0.1040
<b>KEEP OFF FREEZING</b>	

### PERFORMANCE FEATURE

Its low volatility and high thermal stability make it suitable for systems operating at bulk oil temperatures up to 320°C provided that there is adequate pump circulation to ensure that local film temperatures on the heater surface do not exceed 340°C The vapour pressure at 320°C is less than atmospheric pressure. The high pressure pipework and heat exchangers, normally used with vapour phase heat transfer fluids, are therefore not necessary.  
A relatively low viscosity with good temperature/viscosity characteristics which ensure high heat transfer coefficients and consistent properties over a wide temperature range. Exhibits good corrosion protection for exposed metal surfaces.

### STORAGE

- ☼ Avoid long storage under the sun
- ☼ Do not stock the product at a temperature below -0°C  
Shelf life: 24 months, in original unopened containers.



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### **DISPOSAL CONSIDERATIONS**

*WASTE FROM RESIDUES*

Do not pour down the drain and the rivers.

Give to an approved recuperator for disposal.

*CONTAMINATING PACKAGING*

Well clean the packaging before re-use or putting in landfill.

*LOCAL REGULATIONS:*

ALL MEANS OF DIPOSAL SHOULD COMPLY WITH  
NATIONAL OR LOCAL REGULATIONS.

[GERMANY]:

Abfallschluselnr: 544 02

Abfall Bezeichnung: EmulsionsGemische

### **HEALTH AND SAFETY**

**NFRA-276/W ZN** has no adverse effect on health when used properly and for the designed application. Beyond normal hygiene. No special precautions are required. Further reference is made to the MATERIAL HRALTH AND SAFETY SHEETS.

### **REMARK:**

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter specification within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies' raw materials are also being used. The recommendations do not absolve the user from the obligation of investigation the possibility of infringement of third parties' rights and, if necessary, resolve the matter.



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