

# Material Safety Data Sheet

## Jetliter N32

### Section1. Identification of the product and the company.

Product's name	electrical heater's heating oil	Product's code	N32
Product's number	-----	Packaging specifications	Bulk
Suppliers	Jetliter oil facture co.,LTD.of shunde	Address	No.16,2 <sup>nd</sup> nandi road, Ronggui Town, Shunde District
Manufacturers	Jetliter oil facture co.,LTD.of shunde	Address	No.16,2 <sup>nd</sup> nandi road, Ronggui Town, Shunde District
Contacts	Xing Quan. Lou	Phone number	0757-23617610,26113763
Fax number	0757-28304986	Emergency contact number	-----

### Section2. Composition/information on ingredients.

Contains	Mineral oil: 98.5~99%; High temperature detergent: 0.25~0.4%; High temperature antioxidant:0.5~0.75%; Antirust/ Anti fouling agent:0.05~0.1%; Pour point depressant:0.2~0.25% High temperature de-foaming agent:0.005%
Performance	The product is suitable for heat conduction oil filled electric heating system, high heat transfer efficiency, high temperature oxidation resistance, long service life.
HS Content (%)	-----

### Section3. Hazard identification.

Health hazards	Prolonged contact with skin may cause skin allergies; inhalation may cause nausea; ingestion may cause diarrhea, damage the digestive organs.
Environmental hazards.	Not easy to decompose and harmful to the soil and plants.
Explosion hazard	Fire can ignite.

### Section4. First aid measures.

First aid for different contact ways	Inhalation	Skin contact	Eye contact	ingestion
	Stop the operation, go to as well ventilated place	Clean with weak alkaline cleaning agent	Rinse immediately with plenty of clean, and sent to the hospital for treatment	Immediately sent to hospital gastric lavage
Important symptom and harm	Cause diarrhea, damage the digestive organs.			
First - Aid Personal Protection	Wear protective gloves, avoid contact with pollutants.			

### Section 5. Fire-fighting measure.

Hazard characteristics	<ol style="list-style-type: none"> <li>1. It may be decomposed into carbon dioxide and carbon monoxide.</li> <li>2. Flue gas will pollute the environment.</li> </ol>
Fire extinguishing agent	<p>Small fire-Dry powder fire extinguisher;</p> <p>Big fire-Carbon dioxide extinguisher, Foam fire extinguisher.</p>
Firefighters' protection equipment	Wear air breathing apparatus and protective gloves, fire protection clothing.

### Section 6. Accidental release measures.

Personal precautions	<ol style="list-style-type: none"> <li>1. Completely clean up contaminated areas, the region limit access.</li> <li>2. Ensure that the cleaning work is in charge of by trained person.</li> <li>3. Wear appropriate personal protective equipment.</li> </ol>
Environmental precautions	Prevent the product from getting into sewer systems surface waste oil, stored in sealed containers.
Cleaning method	Using chemical cleaning agent to clean or buried with sand.

### Section 7. Handling and storage

Placed in the indoor environment, keep the product sealed, to prevent dust and debris mixed; cannot be stored together with inflammable, explosive chemicals.
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### Section 8. Exposure control/personal protection.

Engineering control.	<ol style="list-style-type: none"> <li>1. Using the appropriate design and maintenance mechanical ventilation system, such as a whole or local exhaust ventilation device.</li> <li>2. Using the local exhaust device and process isolation to control droplet and the amount of steam.</li> <li>3. Ensure that there is sufficient fresh air to supplement the extracted air exhaust system.</li> <li>4. May need to deal with waste gas to avoid pollution of the environment</li> </ol>
The maximum allowable concentration	---
Respiratory protection	When the oil mist generation at working, must wear cloth masks.
Hand protection	The operation is completed, after cleaning put on the oil resistant gloves
Eye protection	In the case of oil splash wear glasses
Skin and body protection	Wear the impervious aprons and gloves made from PVC or synthetic rubber
Health measures	<ol style="list-style-type: none"> <li>1. Take off contaminated clothing as soon as possible after working, Wash before wearing again or drop, and the harmfulness must inform the washer pollutants.</li> <li>2. The work place is not allow smoking or eating.</li> <li>3. The hand must be washed, after handling this object.</li> <li>4. Keep the work place clean.</li> </ol>

## Section9.Physical and chemical properties.

Normal temperature state	Transparent liquid	Colour	canary-yellow
Smell	Minimal	Density	0.860g/mm <sup>3</sup>
Viscosity(40℃)	28~35mm <sup>2</sup> /s	Vapor pressure(20℃)	—
Flash point (GB/T 3536)	200℃	Pour point(GB/T 3535)	-15℃
Boiling point/ boiling range	340~450℃	Autogenous ignition temperature	—
Solubility in water	Insoluble	PH	—

## Section10.Stability and reactivity.

Storage stability	Stable under normal conditions
Conditions to avoid	Fire, high temperature
Incompatible materials	Strong oxidant
Decomposition product	CO,CO <sub>2</sub> and other oxides

## Section11.toxicological information.

acute toxicity	no
Chronic poisoning	no
Acute poisoning	Inhalation may cause nausea; ingestion may cause diarrhea, damage the digestive organs.
Stimulation/ Toxicity	Prolonged contact with skin may cause skin allergies and Degreasing.
Carcinogenicity	no

## Section12.Ecological information.

Possible impact on the environment	Waste oil will cause the deterioration of soil, water pollution, harm to animals and plants.
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## Section13.Disposal considerations.

Methods of waste treatment	<ol style="list-style-type: none"><li>1. Give it to the recyclers designated by the government to due with.</li><li>2. Centralized recovery, Regeneration or incineration process with reference to the relevant laws.</li></ol>
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## Section14.transport information.

International transport regulations	<ol style="list-style-type: none"><li>1. US.DOT49CFR listed as at 6.1 class of toxic substance, the packing code III.</li><li>2. IATA/ICAO code:6.1</li><li>3. IMDG code:6.1</li></ol>
Domestic transportation regulations	SH 0164-1992

## Section15. Regulatory information

According to 《常用危险化学物的分类及标志》(GB13690-1992) the division, this product does not belong to the dangerous goods
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## Section16.Other information.

The Reference	1.GB 16483-2000. 2.GB 13690-1992 3.(EC)1907/2006 REACH 4.(EC)1272/2008-CLP
Tabulation unit	Jetliter oil facture co.,LTD.of shunde
Lister	Ye Qiang.Luo
Tabulating date	2015/4/5

The above information, based on our current knowledge, are detailed and correct. But this information is only limited to the description of requirements related to the product in the health, safety, environmental protection, at the same time, this product is limited to the commercial / industrial production process and application, so the company cannot make any guarantee or assume specific responsibilities.