

Material Safety Data Sheet

(According to 1907/2006/EC, Article 31)



File Code: FLCN-QR-7.3-01-15 A0
MSDS No: 2.0332
Version: 1.2

Issued: 01.09.2008
Reviewed: 10.02.2015

1. Identification of substance

Trade name: RENOLIT CXI 2
Relevant identified uses of the substance or mixture:
Lubricating grease. No uses advised against identified.

Manufacturer/Supplier: FUCHS LUBRICANTS (YINGKOU) LTD.
No. 10 Jiachen Street,
Xishi District, Yingkou City, Liaoning Province, 115000
Tel: +86 417 3360 000
Fax: +86 417 3362 666

Issued by: Technical department, Tel: +86 417 3362 656
Emergency telephone: +86 417 3362 670

2. Hazards identification

Classification for substance or mixture: By handling of mineral oil products and chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.

Information pertaining to particular dangers for man and environment: This product is water polluting, see item 12.

Classification system: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method of 1999/45 EC concerning specific data of compounds.

Label elements

Labeling according to EU guidelines:

Observe the normal safety regulations when handling chemicals or mineral oil products. The product is not subject to identification regulations under EC Directives until 2008/1272/EC (1. CLP-ATP) and the Ordinance on Hazardous Materials. Local regulations must be kept.

3. Composition/Data on components

Chemical characterization: Mixture. Mixture of mineral oil and additive.

Dangerous components:

CAS No.	Designation	Content [%]	Index	Phrases
	Isopropyl triphenyl phosphate	1.0-2.4	N	R51/53

Additional information :For the wording of the listed risk phrases refer to section 16.

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4. First aid measures

General information: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into cloth-pockets.

After inhalation: Seek medical treatment in case of complaints.

After skin contact: The product is not skin irritating.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Seek medical treatment.

Most important symptoms and effects, both acute and delayed:

No further relevant information available.

Indication of any immediate medical attention and special treatment needed:

No further relevant information available.

5. Fire fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Use fire fighting measures that suit the environment.

For safety reasons unsuitable extinguishing agents: Water with a full water jet.

Special hazards arising from the substance or mixture: No further relevant information available.

Advice for firefighters: Protective equipment:

In case of fire-fighting: Wear self-containing breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedure: Particular danger of slipping on leaked/ spilled product.

Environmental precautions: Do not allow to enter drainage system, surface or ground water. Prevent from spreading (e.g. by binding or oil barriers). Do not allow to enter the ground/ soil.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

Additional information: No dangerous materials are released.

7. Handling and storage

Handling:

Information for safe handling: Prevent formation of aerosols. Don't eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

Information about protection against explosions and fires: Don't heat up to temperatures close to the flash point.

Conditions of safety storage, including incompatibilities:

Requirements to be met by storerooms and containers: Keep original container tightly in dry, cool, well-ventilated place. Protect from heat resource and direct sunlight. Store under room temperature.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Keep container tightly sealed.

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8. Exposure controls and personal protection

Additional information about design of technical systems: No further data; see item 7.

Components with critical values that require monitoring at the workplace:

CAS No.	Designation	Content [%]	Type	Value	Unit
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The product itself does not contain any relevant quantities of materials with critical value that have to be monitored at the workplace.

Additional information: The lists that were valid during the compilation were used as basis.

Personal protective equipment: General protective and hygienic measures.

The usual precautionary measures should be adhered to in handling the chemicals and the mineral oil products. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work.

Avoid close or long term contact with the skin. Use skin protection cream for preventive skin protection. Do not carry cleaning cloths impregnated with the product in trouser pockets.

Breathing equipment: Not required.

Protection of hands: Protective glove and protective skin cream.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective glove and has to be observed.

Eye protection: Safety glasses recommended during refilling.

Body protection: Protection work clothing.

9. Physical and chemical properties

Form	Pasty
Color	Brown
Smell	Characteristic
pH value	Not applicable
Melting point / Freezing point	Not determined
Boiling point, Initial boiling point, Boiling range	Not applicable or not determined
Flash point	Not applicable
Explosion limit	Product is not explosive.
Vapor pressure(25 °C)	Not applicable
Vapor density	Not applicable
Density (15 °C)	Not determined
Solubility in water	Miscible in water difficultly
n-Octanol/water partition coefficient (log Pow)	Not determined(24°C)
Self-ignition temperature	Product is not self-igniting.
Thermal decomposition	No decomposition if used as prescribed.
Viscosity or Consistency-Class	NLGI 2
	DIN 51818

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10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Hazardous decomposition products: No dangerous decomposition products known.

Incompatible materials: No further relevant information available.

11. Toxicological information

Acute toxicity: Primary irritant effect:

On the skin: No irritant effect known.

On the eye: No irritant effect known.

Sensitization: No sensitizing effect known.

Additional toxicological information

When used and handled according to specification, the product does not have any harmful effects according to our actual information.

12. Ecological information

Toxicity: Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No data available.

Mobility in soil: No further relevant information available.

Ecological effects: Behavior in sewage processing plants: The product swims on the water surface.

General note: Do not allow to reach ground water, water bodies or sewage system.

13. Disposal considerations

Product:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Must be specially treated under adherence to official regulations. When storing used mineral oil products, ensure that the categories for waste oil and mixing instructions are observed. Delivery of waste oil only to officially authorized collectors.

Contaminated packagings:

Recommendation: Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Small one-way packagings have to be disposed according to the local regulations.

14. Transport information

UN Number: ADR,ADN,IMDG,IATA: Void

UN Proper shipping name: ADR,ADN,IMDG,IATA: Void

UN Hazard classification:

Transport hazard class(es): ADR,ADN,IMDG,IATA: Void

Packing group: ADR,IMDG,IATA: Void

Environmental hazards :Marine pollutant: No

Special precautions for user: Not applicable

Transport/additional information: No dangerous good acc. to dangerous goods/transport directions

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15. Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

National regulations: Local regulations must be kept.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 31
out of the recent list: none

16. Other information

Reference:

- 1) GB 16483 Safety data sheet for chemical products- Content and order of sections
- 2) GB 13690 General rule for classification and hazard communication of chemicals
- 3) GB 6944 Classification and code of dangerous goods
- 4) GB/T 15098 The principle of classification of transport packaging groups of dangerous goods
- 5) UN Recommendations on the Transport of Dangerous Goods (UNRTDG)
- 6) Administrative Regulations on Road Transportation of Dangerous Goods (Issued by MoT)

Validity: The former version is invalid when new version is issued.

Relevant phrases.

N: Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

All ingredients are listed in the European Inventories. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This data sheet is a safety data sheet according to 1907/2006/EC, article 31. For products which are not subject to classification according to EU lists this data sheet is made on a voluntary base.