SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
   Product name: RENOLIT CX-EP 0

1.2 Relevant identified uses of the substance or mixture and uses advised against

   Identified uses: Lubricating grease
   Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

   Manufacturer / Supplier: Fuchs Schmierstoffe GmbH
   Friesenheimer Str. 19
   68169 Mannheim

   Telephone: +49 621 3701-0 (ZENTRALE)
   Fax: +49 621 3701-570

   Contact Person: Fuchs Schmierstoffe GmbH Abteilung Produktsicherheit
   Telephone: +49 621 3701-1333
   Fax: +49 621 3701-7303
   E-mail: produktsicherheit-FS@fuchs.com

1.4 Emergency telephone number: +49 621 3701-1333 / +49 621 3701-0 (Mo-Do 8-17, Fr 8-16)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

   The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

   Classification according to Regulation (EC) No 1272/2008 as amended.

   Health Hazards
   Serious eye damage Category 1 H318: Causes serious eye damage.

   Hazard summary
   Physical Hazards: No data available.

2.2 Label Elements
   Contains: Lime hydrate
Product name: RENOLIT CX-EP 0

Signal Words: Danger

Hazard Statement(s): H318: Causes serious eye damage.

Precautionary Statements


Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

2.3 Other hazards: 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. The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Lubricating grease: Thickener system and additives in solvent refined mineral oil.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Identifier</th>
<th>Concentration *</th>
<th>REACH Registration No.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lime hydrate</td>
<td>EINECS: 215-137-3</td>
<td>3,00 - &lt;5,00%</td>
<td>01-2119475151-45</td>
<td></td>
</tr>
</tbody>
</table>

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Identifier</th>
<th>Classification</th>
</tr>
</thead>
</table>


For the wording of the listed hazard statements refer to section 16.

Please note that the mineral oils and petroleum distillates used in our products are severely refined and have a DMSO extract < 3% as measured by method IP 346 and are not classified as carcinogenic according to Note L of Annex VI of Regulation EC 1272/2008."
Product name: RENOLIT CX-EP 0

General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures
Inhalation: Supply fresh air; consult doctor in case of symptoms.
Eye contact: Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Skin Contact: Wash with soap and water.
Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed:
Risk of serious damage to eyes.

4.3 Indication of any immediate medical attention and special treatment needed
Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing media
CO2, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

5.2 Special hazards arising from the substance or mixture:
During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters
Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Not required.

6.2 Environmental Precautions:
Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water.
6.3 Methods and material for containment and cleaning up:
Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.

6.4 Reference to other sections:
See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling. See Section 13 for information on disposal.

Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:
Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.

7.2 Conditions for safe storage, including any incompatibilities:
Local regulations concerning handling and storage of waterpolluting products have to be followed.

7.3 Specific end use(s):
Not applicable

Storage Class:
11, Combustible solids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
Occupational Exposure Limits
None of the components have assigned exposure limits.

8.2 Exposure controls
Appropriate engineering controls:
Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:
Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to inhanding the chemicals or the mineral oil products.

Eye/face protection:
Safety glasses (EN 166) recommended during refilling. Avoid contact with eyes. Wear closed protection glasses. Wear eye protection/face protection. Avoid contact with skin and eyes.
**Skin protection**

**Hand Protection:**
- Material: Nitrile-butadiene rubber (NBR).
- Min. Breakthrough time: \(\geq 480\) min
- Recommended thickness of the material: \(\geq 0.38\) mm

Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Other:**
Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.

**Respiratory Protection:**
Not relevant, due to the form of the product.

**Thermal hazards:**
Not known.

**Hygiene measures:**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.

**Environmental Controls:**
No data available.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

**Appearance**
- **Physical state:** solid
- **Form:** Paste
- **Color:** Light brown
- **Odor:** Characteristic
- **Odor Threshold:** Not applicable for mixtures
- **pH:** Not applicable
- **Melting Point:** Not applicable for mixtures
- **Boiling Point:** Value not relevant for classification
- **Flash Point:** Not applicable
- **Evaporation Rate:** Not applicable for mixtures
- **Flammability (solid, gas):** Value not relevant for classification
- **Flammability Limit - Upper (%):** Value not relevant for classification
- **Flammability Limit - Lower (%):** Value not relevant for classification
- **Vapor pressure:** Not applicable for mixtures
- **Vapor density (air=1):** Not applicable for mixtures
- **Density:** No data available.
- **Solubility(ies)**
  - **Solubility in Water:** Insoluble in water
  - **Solubility (other):** No data available.
- **Partition coefficient (n-octanol/water):** Not applicable for mixtures
SECTION 10: Stability and reactivity

10.1 Reactivity: Stable under normal use conditions.

10.2 Chemical Stability: Stable under normal use conditions.

10.3 Possibility of hazardous reactions: Stable under normal use conditions.

10.4 Conditions to avoid: Stable under normal use conditions.


10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

Information on likely routes of exposure
Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: Causes serious eye damage.

11.1 Information on toxicological effects

Acute toxicity

Oral Product: Not classified for acute toxicity based on available data.

Dermal Product: Not classified for acute toxicity based on available data.

Inhalation Product: Not classified for acute toxicity based on available data.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.
Product name: RENOLIT CX-EP 0

Serious Eye Damage/Eye Irritation:
Product: Based on available data, the classification criteria are met.

Respiratory or Skin Sensitization:
Product:
Skin sensitizer: Based on available data, the classification criteria are not met.
Respiratory sensitizer: Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity
Product: Based on available data, the classification criteria are not met.

Carcinogenicity
Product: Based on available data, the classification criteria are not met.

Reproductive toxicity
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure
Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure
Product: Based on available data, the classification criteria are not met.

Aspiration Hazard
Product: Based on available data, the classification criteria are not met.

Other adverse effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity
Product: Based on available data, the classification criteria are not met.

Fish
Specified substance(s)
Lime hydrate LC 50 (Fish, 96 h): 50,6 mg/l

Aquatic Invertebrates
Specified substance(s)
Lime hydrate EC 50 (Water Flea, 48 h): 49,1 mg/l

Chronic Toxicity
Product: Based on available data, the classification criteria are not met.

Toxicity to Aquatic Plants
Specified substance(s)
Lime hydrate EC 50 (Alga, 72 h): 184,57 mg/l

12.2 Persistence and Degradability

Biodegradation
Product name: RENOLIT CX-EP 0

12.3 Bioaccumulative potential
Product: Not applicable for mixtures

12.4 Mobility in soil:
Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:
The product does not contain any substances fulfilling the PBT/vPvB criteria.

12.6 Other adverse effects:
No data available.

Water Hazard Class (WGK):
WGK 1: slightly water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

European Waste Codes
12 01 12*: spent waxes and fats

SECTION 14: Transport information

ADR/RID
14.1 UN Number: –
14.2 UN Proper Shipping Name: –
14.3 Transport Hazard Class(es)
   Class: Non-dangerous goods
   Label(s): –
   Hazard No. (ADR): –
   Tunnel restriction code: –

14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –
Product name: RENOLIT CX-EP 0

### ADN

14.1 UN Number: –  
14.2 UN Proper Shipping Name: –  
14.3 Transport Hazard Class(es)  
   Class: Non-dangerous goods  
   Label(s): –  
14.4 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

### IMDG

14.1 UN Number: –  
14.2 UN Proper Shipping Name: –  
14.3 Transport Hazard Class(es)  
   Class: Non-dangerous goods  
   Label(s): –  
   EmS No.: –  
14.4 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

### IATA

14.1 UN Number: –  
14.2 Proper Shipping Name: –  
14.3 Transport Hazard Class(es)  
   Class: Non-dangerous goods  
   Label(s): –  
14.4 Packing Group: –  
14.5 Environmental hazards: –  
14.6 Special precautions for user: –

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

### SECTION 15: Regulatory information

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

**EU Regulations**

- Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

**National Regulations**


#### 15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.
Product name: RENOLIT CX-EP 0

SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Other information: The classification complies with the current EU lists; however, it has been supplemented with expert literature information and information provided by/about our company. It was derived from the test data and/or the application of the conventional method.

Revision Date: 27.05.2019

Disclaimer: The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.