



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

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

Fuchs Schmierstoffe GmbH
Friesenheimer Str. 19
68169 Mannheim

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426

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1.4 US contact telephone :

708-333-8900

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800-255-3924

2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC as amended.

R36

Irritating to eyes.

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.

Product name: RENOLIT CX-EP 0

2.2 Label Elements

Contains: Lime hydrate



Signal Words: Danger

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

Precautionary Statement

Prevention: P280: Wear protective gloves/protective clothing/eye protection/face protection.

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

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.

3 COMPOSITION / INFORMATION ON INGREDIENTS

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

Chemical name	Concentration *	Identifier	REACH Registration No.	Notes
Lime hydrate	5.00 - <10.00%	1305-62-0	01-2119475151-45	

* 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

Chemical name	Classification
Lime hydrate	CLP: Eye Dam. 1; H318, STOT SE 3; H335, Skin Irrit. 2; H315

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

Product name: RENOLIT CX-EP 0

4 FIRST AID MEASURES

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

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. The product is not skin irritating.

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

Hazards: No data available.

Treatment: Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media: Water with a full water jet.

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

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Product name: RENOLIT CX-EP 0

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Not required.
- 6.2 Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
- 6.3 Methods and material for containment and cleaning up:** Scrape up spillage or absorb with absorbing material. Stop the flow of material, if this is without risk. Dispose of the material collected according to regulations.
- 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

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified - Inhalable fraction.	TWA	5 mg/m3	US. ACGIH Threshold Limit Values (03 2014)

8.2.Exposure controls

Appropriate engineering controls: No data available.

Individual protection measures, such as personal protective equipment

Product name: RENOLIT CX-EP 0

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 in handling 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.
Skin protection	
Hand Protection:	Nitrile butyl rubber (NBR). 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:	No data available.
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.

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:	No data available.
pH:	not applicable
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)—:	No data available.

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Flammability Limit - Lower (%) :-	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	0.95 g/cm ³ (25 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
NLGI:	0
Explosive properties:	No data available.
Oxidizing properties:	No data available.
9.2 Other information	No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal temperature conditions and recommended use.
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid heat or contamination.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

11 TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Lime hydrate

LD 50 (Rat): > 2,001 mg/kg

Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Lime hydrate

LD 50 (Rabbit): > 2,500 mg/kg

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**Inhalation
Product:**

Not classified for acute toxicity based on available data.

Specified substance(s)
Lime hydrate

No data available.

Inhalation:

No data available.

Ingestion:

No data available.

Skin Corrosion/Irritation:

No data available.

**Serious Eye Damage/Eye
Irritation:**

Causes serious eye damage.

**Respiratory sensitizer/Skin
sensitizer:**

No data available.

Carcinogenicity:

No data available.

Mutagenesis:

No data available.

Reproductive toxicity:

No data available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity

Fish

Product:

No data available.

Specified substance(s)
Lime hydrate

LC 50 (Fish, 96 h): 50.6 mg/l

Aquatic Invertebrates

Product:

No data available.

Specified substance(s)
Lime hydrate

EC 50 (Water Flea, 48 h): 49.1 mg/l

Chronic Toxicity

Fish

Product name: RENOLIT CX-EP 0

Product: No data available.

Specified substance(s)

Lime hydrate No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Lime hydrate No data available.

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Lime hydrate EC 50 (Alga, 72 h): 184.57 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Lime hydrate No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Lime hydrate No data available.

12.4 Mobility in Soil:

No data available.

Known or predicted distribution to environmental compartments

Lime hydrate No data available.

12.5 Results of PBT and vPvB assessment:

No data available.

Lime hydrate

No data available.

12.6 Other Adverse Effects:

No data available.

13 Disposal considerations

13.1 Waste treatment methods

General information:

Dispose in accordance with all applicable regulations.

Product name: RENOLIT CX-EP 0

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.

14 TRANSPORT INFORMATION

DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 311/312 Hazardous Chemical:

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Inventory Status

TSCA	On or in compliance with the inventory
DSL	On or in compliance with the inventory

16 OTHER INFORMATION

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

Wording of the R-phrases and H-statements in section 2 and 3

H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
R36	Irritating to eyes.

Training information: Follow training instructions when handling this material.

Product name: RENOLIT CX-EP 0

Other information:

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 mentioned in regulation EU 1272/2008 (CLP).

Revision Date:

29.03.2016

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.