

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

### **1.1 Product identifier**

Product name: RENOLIT CX-TOM 15 - OEM

### 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
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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.
<b>Environmental Hazards</b>			
Chronic hazards to the a environment	aquatic	Category 3	H412: Harmful to aquatic life with long lasting effects.
Hazard summary Physical Hazards:	No d	ata available.	
2.2 Label Elements Contains:	Ca-si	ulfonate	



Signal Words:	Danger	
Hazard Statement(s):	H318: Causes serious eye damage. H412: Harmful to aquatic life with long lasting effects.	
Precautionary Statemen	ts	
Prevention:	P273: Avoid release to the environment. 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.	
Disposal:	P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.	
Supplemental label info	r <b>mation</b> EUH208: Contains: Calcium Sulfonate, Calcium Sulfonate, Ca Sulfonate. May produce an allergic reaction.	
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 synthetic base oil.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Calcium Sulfonate	EINECS: 271-529-4	5,00 - <10,00%	01-2119492627-25	
Ca-sulfonate	EC: 932-231-6	3,00 - <5,00%	01-2119560592-37	
Calcium Sulfonate	EINECS: 263-093-9	1,00 - <5,00%	01-2119488992-18	
Ca Sulfonate	EINECS: 274-263-7	1,00 - <5,00%	01-2119492616-28	
Triaryl phosphate, alkyladed	EINECS: 273-065-8	0,25 - <1,00%	01-2119519251-50	
phenolic antioxidant	EINECS: 204-881-4	0,25 - <1,00%	01-2119565113-46	

\* 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	Identifier	Class	ification
Calcium Sulfonate	EINECS: 271-529-4	CLP:	Skin Sens. 1B;H317
Ca-sulfonate	EC: 932-231-6	CLP:	Eye Dam. 1;H318, Skin Irrit. 2;H315, Aquatic Chronic 3;H412
Calcium Sulfonate	EINECS: 263-093-9	CLP:	Skin Sens. 1B;H317
Ca Sulfonate	EINECS: 274-263-7	CLP:	Skin Sens. 1B;H317
Triaryl phosphate, alkyladed	EINECS: 273-065-8	CLP:	Aquatic Chronic 1;H410, Aquatic Acute 1;H400
phenolic antioxidant	EINECS: 204-881-4	CLP:	Aquatic Acute 1;H400, Aquatic Chronic 1;H410

CLP: Regulation No. 1272/2008.

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

# SECTION 4: First aid measures

General:	Instantly remove any clothing soiled by the product.
4.1 Description of first aid measu	Ires
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
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	

### 5.3 Advice for firefighters



Product name: RENOLIT CX-TOM	15 - OEM	
Special fire fighting procedures:	Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water inaccordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.	
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
SECTION 6: Accidental release me	easures	
6.1 Personal precautions, protective equipment and emergency procedures:	Not required.	
6.2 Environmental Precautions:	Avoid release to the environment. 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. 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 measur	es, 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 inhandling 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:	Material: Nitrile-butadiene rubber (NBR). Min. Breakthrough time: >= 480 min Recommended thickness of the material: >= 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.
<b>Respiratory Protection:</b>	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
Freezing point:	Not applicable for mixtures



Flash Point:Not applicableEvaporation Rate:Not applicable for mixturesFlammability (solid, gas):Value not relevant for classificationFlammability Limit - Upper (%):Value not relevant for classificationFlammability Limit - Lower (%):Value not relevant for classificationVapor pressure:Not applicable for mixturesVapor density (air=1):Not applicable for mixturesDensity:0,95 g/ml (25,00 °C)Solubility(ies)Insoluble in waterSolubility (other):Not applicable for mixturesPartition coefficient (n-octanol/water):Not applicable for mixturesAutoignition Temperature:Value not relevant for classificationNLGI:1Explosive properties:Value not relevant for classificationOxidizing properties:Value not relevant for classification9.2 Other informationNo data available.	Boiling Point:	Value not relevant for classification
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Oxidizing properties: Value not relevant for classification	NLGI:	1
	Explosive properties:	Value not relevant for classification
9.2 Other information No data available.	Oxidizing properties:	Value not relevant for classification
	9.2 Other information	No data available.

### **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.
10.5 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.

### **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:

Product:	
Specified substance(s)	Not classified for acute toxicity based on available data.
Calcium Sulfonate	LD 50 (Rat): > 16.000 mg/kg
Ca Sulfonate	LD 50 (Rat): > 5.000 mg/kg (OECD 401)
Triaryl phosphate, alkyladed	LD 50 (Rat): > 5.000 mg/kg
phenolic antioxidant	LD 50 (Rat): 2.930 mg/kg (OECD 401)
Dermal Product:	Not classified for acute toxicity based on available data.
Specified substance(s)	
Ca-sulfonate	(OECD 402) Based on available data, the classification criteria are not met.
Ca Sulfonate	LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)
phenolic antioxidant	LD 50 (Rat): > 5.000 mg/kg (OECD 402)
Inhalation Product:	
Specified substance(s)	Not classified for acute toxicity based on available data.
Ca-sulfonate	No data available.
Skin Corrosion/Irritation:	
Product: Specified substance(s)	Based on available data, the classification criteria are not met.
Ca-sulfonate	OECD 404 Slightly irritating.
Calcium Sulfonate	OECD 404 (Rabbit): Not irritant.
Serious Eye Damage/Eye Irritation: Product: Based on available data, the classification criteria are met.	
Specified substance(s) Ca-sulfonate	OECD 405 May cause burns.
Calcium Sulfonate	OECD 405 (Rabbit): Not irritant.



Respiratory or Skin Sensitization: Product:	
	Experimental data has shown that the concentration of potentially sensitizing components present in this product does not induce skin sensitization.
Specified substance(s) Ca-sulfonate	, OECD 406-1 (Guinea Pig) Based on available data, the classification criteria are not met.
phenolic antioxidant	No sensitizing effect (guinea pig); OECD 406
Germ Cell Mutagenicity Product: In vitro	Based on available data, the classification criteria are not met.
Specified substance(s) Ca-sulfonate	(OECD 471) 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 Toxic Product:	<b>city - Single Exposure</b> Based on available data, the classification criteria are not met.
Specific Target Organ Toxic Product:	city - Repeated Exposure 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) Ca-sulfonate	LL 50 (Fish, 96 h): > 1 mg/l (OECD 203) LL 50 (Fish, 96 h): < 10 mg/l (OECD 203)
Calcium Sulfonate	LC 50 (Fish, 96 h): > 10.000 mg/l (OECD 203)
Ca Sulfonate	LC 50 (Fish, 96 h): > 1.001 mg/l
Triaryl phosphate, alkyladed	LC 50 (Fish, 96 h): 0,8 mg/l



Aquatic Invertebrates Specified substance(s)	
Ca-sulfonate	LL 50 (Water Flea, 48 h): 2,9 mg/l (OECD 202)
Calcium Sulfonate	EC 50 (Water flea (Simocephalus vetulus), 48 h): > 100 mg/l (OECD 202)
Ca Sulfonate	EC 50 (Water Flea, 48 h): > 1.001 mg/l
Triaryl phosphate, alkyladed	EC 50 (Water Flea, 48 h): 0,202 mg/l
Chronic ToxicityProduct:	Based on available data, the classification criteria are met.
Fish Specified substance(s) Triaryl phosphate, alkyladed	NOEC (Fish, 90 d): 0,093 mg/l
Aquatic Invertebrates Specified substance(s) Triaryl phosphate, alkyladed	NOEC (Water Flea, 21 d): 0,0399 mg/l
phenolic antioxidant	NOEC (Water Flea, 21 d): > 0,39 mg/l
Toxicity to Aquatic Plants Specified substance(s) Ca-sulfonate	EC 50 (Alga, 96 h): 29 mg/l
Ca Sulfonate	EC 50 (Alga, 72 h): > 1.000 mg/l
Persistence and Degradability	
Biodegradation	
Product: Specified substance(s)	Not applicable for mixtures
Ca-sulfonate	(OECD 301B) Readily biodegradable
Calcium Sulfonate	8,6 % (28 d) Not easily biodegradable
Triaryl phosphate, alkyladed	Readily biodegradable
phenolic antioxidant	30 % (OECD 302C)
Bioaccumulative potential Product: Specified substance(s)	Not applicable for mixtures
phenolic antioxidant	May be accumulated in organism
Mobility in soil: Product:	Not applicable for mixtures

12.2

12.3

12.4



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:	Harmful to aquatic life with long lasting effects.
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:	Discharge, treatment, or disposal may be subject to national, state, or local laws.

### European Waste Codes

12 01 12\*: spent waxes and fats

### **SECTION 14: Transport information**

### ADR/RID

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

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

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

	National Regulations	
	Water Hazard Class (WGK):	WGK 1: slightly water-endangering.
15.2	Chemical safety assessment:	No Chemical Safety Assessment has been carried out.

### **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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.



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: Disclaimer:	05.07.2019 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.