

## 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:** RE-CONDITIONER TS 111

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

**Identified uses:** Lubricant

**Uses advised against:** No uses advised against identified.

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer / Supplier**

FUCHS LUBRITECH GmbH  
Werner-Heisenberg-Strasse 1  
67661 Kaiserslautern

Telephone:  
Fax:

+49 (0) 6301 3206-0  
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**US Distributor**

Fuchs Lubricants Co.  
17050 Lathrop Avenue  
Harvey, IL 60426

(708) 333-8900  
(800) 255-3924 24 hrs Emergency

**Contact Person:**

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### 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**

Skin irritation	Category 2	H315: Causes skin irritation.
Serious eye irritation	Category 2	H319: Causes serious eye irritation.
Specific Target Organ Toxicity - Single Exposure	Category 3	H335: May cause respiratory irritation.
Specific Target Organ Toxicity - Repeated Exposure	Category 1	H372: Causes damage to organs through prolonged or repeated exposure.

**Hazard summary**

**Physical Hazards:** No data available.

**Product name:** RE-CONDITIONER TS 111

## 2.2 Label Elements

### Contains:

Almandine  
Quartz  
Sulfonic acid sodium salt



### Signal Words:

Danger

### Hazard Statement(s):

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.  
H372: Causes damage to organs through prolonged or repeated exposure.

### Precautionary Statements

### Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray.  
P262: Do not get in eyes, on skin, or on clothing.

## 2.3 Other hazards:

By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept. 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:

Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Almandine		50,00% - <100,00%		
Quartz	EINECS: 238-878-4	10,00% - <20,00%		
Sulfonic acid sodium salt	EINECS: 246-680-4	1,00% - <3,00%		

\* 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.

**Product name:** RE-CONDITIONER TS 111

## Classification

Chemical name	Identifier	Classification
Almandine		CLP: Skin Irrit. 2;H315, STOT SE 3;H335
Quartz	EINECS: 238-878-4	CLP: STOT RE 1;H372, Eye Irrit. 2;H319, STOT SE 3;H335, Acute Tox. 4;H332
Sulfonic acid sodium salt	EINECS: 246-680-4	CLP: Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, STOT SE 3;H335

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 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:** Causes serious eye irritation.

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

## SECTION 5: Firefighting measures

**General Fire Hazards:** None (non-combustible).

### 5.1 Extinguishing media

**Suitable extinguishing media:** CO<sub>2</sub>, 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

**Product name:** RE-CONDITIONER TS 111

<b>Special fire fighting procedures:</b>	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.
<b>Special protective equipment for fire-fighters:</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Not required.
<b>6.2 Environmental Precautions:</b>	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.
<b>6.3 Methods and material for containment and cleaning up:</b>	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.
<b>6.4 Reference to other sections:</b>	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:**

<b>7.1 Precautions for safe handling:</b>	Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.
<b>7.2 Conditions for safe storage, including any incompatibilities:</b>	Local regulations concerning handling and storage of waterpolluting products have to be followed.
<b>7.3 Specific end use(s):</b>	Not applicable

**Storage Class:** 13, Non-combustible solids

**SECTION 8: Exposure controls/personal protection**

**8.1 Control Parameters**

**Occupational Exposure Limits**

Chemical name	Type	Exposure Limit Values	Source
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**Product name:** RE-CONDITIONER TS 111

Barium sulfate - Respirable fraction.	AGW	1,25 mg/m <sup>3</sup>	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (04 2014)
Barium sulfate - Inhalable fraction.	AGW	10 mg/m <sup>3</sup>	Germany. TRGS 900, Occupational Exposure Limits (AGW), as amended (04 2014)

## 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 in handling the chemicals or the mineral oil products.

#### Eye/face protection:

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

#### Skin protection

##### Hand Protection:

Material: Nitrile butyl 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:

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

#### 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

**Product name:** RE-CONDITIONER TS 111

<b>Physical state:</b>	solid
<b>Form:</b>	Powder
<b>Color:</b>	Green
<b>Odor:</b>	Odorless
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	Not applicable substance/mixture is non-soluble (in water) Not applicable
<b>Freezing point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	Value not relevant for classification
<b>Flash Point:</b>	Value not relevant for classification
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%)—:</b>	Value not relevant for classification
<b>Flammability Limit - Lower (%)—:</b>	Value not relevant for classification
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Vapor density (air=1):</b>	Not applicable for mixtures
<b>Density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble in water
<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Autoignition Temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Flow time</b>	Value not relevant for classification
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	Stable under normal temperature conditions and recommended use.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid dust formation.
<b>10.5 Incompatible Materials:</b>	Strong oxidizing substances. Strong acids. Strong bases.
<b>10.6 Hazardous Decomposition Products:</b>	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.

**Product name:** RE-CONDITIONER TS 111

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**Ingestion:** No data available.

**Skin Contact:** Causes skin irritation.

**Eye contact:** Causes eye irritation.

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Oral

**Product:** Not classified for acute toxicity based on available data.  
ATEmix: 43.200 mg/kg

###### Specified substance(s)

Sulfonic acid sodium salt LD 50 (Rat): 1.080 - 1.980 mg/kg

###### Dermal

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

###### Inhalation

**Product:** Not classified for acute toxicity based on available data.  
ATEmix: 10 mg/l  
Dusts, mists and fumes

###### Skin Corrosion/Irritation:

**Product:** Based on available data, the classification criteria are met.

###### 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.

**Product name:** RE-CONDITIONER TS 111

**Specific Target Organ Toxicity - Single Exposure**

**Product:** Based on available data, the classification criteria are met.

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Based on available data, the classification criteria are met.

**Aspiration Hazard**

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

**Other adverse effects:** No data available.

<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

**Acute toxicity**

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

**Aquatic Invertebrates**

**Specified substance(s)**

Sulfonic acid sodium salt EC 50 (Water Flea, 48 h): 4,8 mg/l

**Chronic ToxicityProduct:** Based on available data, the classification criteria are not met.

**Fish**

**Specified substance(s)**

Sulfonic acid sodium salt NOEC (Fish, 30 d): 3.965 - 9.198 mg/l

**Aquatic Invertebrates**

**Specified substance(s)**

Sulfonic acid sodium salt NOEC (Water Flea, 21 d): 1,65 mg/l

**Toxicity to Aquatic Plants**

**Specified substance(s)**

Sulfonic acid sodium salt EC 50 (Alga, 72 h): 65,4 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Not applicable for mixtures

**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 2: significantly water-endangering.



**Product name:** RE-CONDITIONER TS 111

**(WGK):**

### 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.

### 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: —

#### 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: Non-dangerous goods  
Label(s): —  
EmS No.: —  
14.3 Packing Group: —  
14.5 Environmental hazards: —  
14.6 Special precautions for user: —

**Product name:** RE-CONDITIONER TS 111

**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

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

**National Regulations**

**Water Hazard Class (WGK):** WGK 2: significantly 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**

- |      |   |
|------|---|
| H302 | Harmful if swallowed.   |
| H315 | Causes skin irritation.   |
| H318 | Causes serious eye damage.                                      |
| H319 | Causes serious eye irritation.                                  |
| H332 | Harmful if inhaled.   |
| H335 | May cause respiratory irritation.                               |
| H372 | Causes damage to organs through prolonged or repeated exposure. |

**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:** 19.02.2021

**Product name:** RE-CONDITIONER TS 111

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**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.