

## 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:** CASSIDA GREASE GTM 2

#### 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 LUBRITECH GmbH  
Werner-Heisenberg-Strasse 1  
67661 Kaiserslautern

US Distributor  
Fuchs Lubricants Co.  
17050 Lathrop Avenue  
Harvey, IL 60426  
(708) 333-8900  
(800) 255-3924 24 hrs Emergency

Telephone:  
Fax:

+49 (0) 6301 3206-0  
+49 (0) 6301 3206-940

**Contact Person:**

FUCHS LUBRITECH GmbH - Product Safety Management

E-mail:  
Telephone:  
Fax:

flt.reach@fuchs.com  
+49 (0) 6301 3206-0  
+49 (0) 6301 3206-940

**1.4 Emergency telephone number:** +49 (0) 6301 3206-0

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

The product has not been classified as hazardous, but needs to be labelled according to regulation (EU) 1272/2008 (CLP).

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

**Hazard summary**

**Physical Hazards:** No data available.

#### 2.2 Label Elements

EUH208: Contains Calcium Sulfonate. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

#### 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.

**Product name:** CASSIDA GREASE GTM 2

## 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: 263-093-9	5,00% - <10,00%	01-2119488992-18	
Calcium Sulfonate	EINECS: 271-529-4	5,00% - <10,00%	01-2119492627-25	
Ca Sulfonate	EINECS: 274-263-7	5,00% - <10,00%	01-2119492616-28	
Amine aromatic , alkylated	EINECS: 270-128-1	1,00% - <5,00%	01-2119491299-23	
Ca Sulphonate	EINECS: 247-557-8	1,00% - <2,50%	01-2120122335-68	

\* 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	Classification
Calcium Sulfonate	EINECS: 263-093-9	CLP: Skin Sens. 1B;H317
Calcium Sulfonate	EINECS: 271-529-4	CLP: Skin Sens. 1B;H317
Ca Sulfonate	EINECS: 274-263-7	CLP: Skin Sens. 1B;H317
Amine aromatic , alkylated	EINECS: 270-128-1	CLP: Aquatic Chronic 3;H412
Ca Sulphonate	EINECS: 247-557-8	CLP: Acute Tox. 4;H302, Skin Irrit. 2;H315, Eye Dam. 1;H318, Aquatic Chronic 4;H413

CLP: Regulation No. 1272/2008.

### specific concentration limit

Chemical name	Identifier	specific concentration limit	Hazard class	Hazard Category	Hazard statements
Calcium Sulfonate	EINECS: 263-093-9	>= 10 %	Skin sensitizer	1B	H317
Calcium Sulfonate	EINECS: 271-529-4	>= 10 %	Skin sensitizer	1B	H317
Ca Sulfonate	EINECS: 274-263-7	>= 10 %	Skin sensitizer	1B	H317

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:** Promptly wash eyes with plenty of water while lifting the eye lids.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly.

**Product name:** CASSIDA GREASE GTM 2

---

**4.2 Most important symptoms and effects, both acute and delayed:** May cause skin and eye irritation.

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

## SECTION 5: Firefighting measures

### 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

**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 in accordance 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 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.

**Product name:** CASSIDA GREASE GTM 2

## 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:** Store in original tightly closed container. Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store away from incompatible materials. No special precautions necessary if used correctly. Use only containers specifically permitted for this substance/product. Protect from contamination
- 7.3 Specific end use(s):** No data available.
- 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 in handling the chemicals or the mineral oil products.

##### Eye/face protection:

No data available.

##### Skin protection

##### Hand Protection:

No data available.

##### Other:

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

##### Respiratory Protection:

No data available.

##### 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.

**Product name:** CASSIDA GREASE GTM 2

**Environmental Controls:** No data available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	solid
<b>Form:</b>	Paste
<b>Color:</b>	Yellow
<b>Odor:</b>	Mild
<b>pH:</b>	substance/mixture is non-soluble (in water)
<b>Drop Point:</b>	not determined
<b>Boiling Point:</b>	not determined
<b>Flash Point:</b>	> 180 °C (DIN 51755)
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	not determined
<b>Flammability Limit - Upper (%)—:</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%)—:</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Relative vapor density:</b>	Not applicable for mixtures
<b>Density:</b>	0,95 - 1,05 g/cm <sup>3</sup> (25 °C)

#### Solubility(ies)

<b>Solubility in Water:</b>	Practically Insoluble
<b>Solubility (other):</b>	No data available.

**Partition coefficient (n-octanol/water):** Not applicable for mixtures

**Autoignition Temperature:** not determined

**Decomposition Temperature:** not determined

**NLGI:** 2

**Explosive properties:** Value not relevant for classification

**Oxidizing properties:** Value not relevant for classification

**Particle characteristics:** Study technically not feasible

**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.

**Product name:** CASSIDA GREASE GTM 2

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

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

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

**Specified substance(s)**

Calcium Sulfonate LD 50 (Rat): > 16.000 mg/kg

Calcium Sulfonate LD 50 (Rat): > 5.001 mg/kg

Ca Sulfonate LD 50 (Rat): > 5.000 mg/kg (OECD 401)

Ca Sulphonate LD 50 (Rat): 1.300 mg/kg

##### Dermal

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

**Specified substance(s)**

Calcium Sulfonate LD 50 (Rat): > 5.001 mg/kg

Calcium Sulfonate LD 50 (Rabbit): > 5.001 mg/kg

Ca Sulfonate LD 50 (Rabbit): > 5.000 mg/kg (OECD 402)

##### Inhalation

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

##### Skin Corrosion/Irritation:

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

**Specified substance(s)**

Calcium Sulfonate OECD 404 (Rabbit):  
Not irritant.

Calcium Sulfonate OECD 404 (Rabbit):  
Not irritant.

Ca Sulfonate OECD 404 (Rabbit):  
Not irritant.

Ca Sulphonate (Rabbit, 4 h):  
Skin irritation.

##### Serious Eye Damage/Eye Irritation:

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

**Specified substance(s)**

Calcium Sulfonate OECD 405 (Rabbit):  
Not irritant.

**Product name:** CASSIDA GREASE GTM 2

**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.

**Specified substance(s)**

Calcium Sulfonate  
May cause sensitization by skin contact.

Calcium Sulfonate  
May cause sensitization by skin contact.

Ca Sulfonate  
May cause sensitization by skin contact.

**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)**

Calcium Sulfonate LC 50 (Fish, 96 h): > 10.000 mg/l (OECD 203)

Calcium Sulfonate LL 50 (Cyprinodon variegatus, 96 h): > 10.000 mg/l (OECD 203)

Ca Sulfonate LC 50 (Fish, 96 h): > 1.001 mg/l (OECD 203)

Ca Sulphonate LC 50 (Fish, 96 h): 22 mg/l (OECD 203)

**Product name:** CASSIDA GREASE GTM 2

---

**Aquatic Invertebrates**

**Specified substance(s)**

Calcium Sulfonate EC 50 (Water Flea, 48 h): > 100 mg/l (OECD 202)

Calcium Sulfonate EL50 (Daphnia magna, 48 h): > 1.000 mg/l

Ca Sulfonate EC 50 (Water Flea, 48 h): > 1.001 mg/l

Amine aromatic , alkylated EC 50 (Water Flea, 48 h): 51 mg/l

Ca Sulphonate EC 50 (Water Flea, 48 h): 2,5 mg/l (OECD 202)

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

**Toxicity to Aquatic Plants**

**Specified substance(s)**

Calcium Sulfonate EL50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 1.000 mg/l

Ca Sulfonate EC 50 (Alga, 72 h): > 1.000 mg/l

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** Not applicable for mixtures

**Specified substance(s)**

Calcium Sulfonate 8,6 % (28 d) Not easily biodegradable

Ca Sulphonate 73 % (28 d) Readily biodegradable

**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.

**Product name:** CASSIDA GREASE GTM 2

**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: —

**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: —

**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**

**Product name:** CASSIDA GREASE GTM 2

---

**EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**EU. Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** none

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

<b>SECTION 16: Other information</b>
--------------------------------------

**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.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

**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. The following evaluation methods were used: - On the basis of test data - Calculation Method - Bridging Principle "Substantially similar mixtures" - Expert Judgement

**Revision Date:** 01.09.2021

**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.