

# SAFETY DATA SHEET



|                  |                   |                    |            |
|------------------|-------------------|--------------------|------------|
| Product name:    | Synthgrease Light | Page:              | 1/10       |
| Supersedes date: | 2020-08-06        | Last revised date: | 2023-10-25 |
| Product No.:     | 61029             | SDS-ID:            | EU-EN/4.0  |

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: Synthgrease Light

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

Identified use(s): Lubricating grease. (Industrial)

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

Supplier: Uno-X Smørelje AS  
Gladengveien 2  
NO-0661 Oslo  
Tel: 04210 / +4795059618  
olje@unox.no  
<https://olje.unox.no>

Responsible for safety data  
sheet authoring: teknik@unox.dk

### 1.4. Emergency telephone number

Emergency telephone: National Poison Control Centres are available in Member Countries.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: The product is not classified.  
The product has been tested and found not sensitising by skin contact.

### 2.2. Label elements

The substance/mixture does not meet the criteria for classification, but the following labelling must be applied:

Contains Bismuth octoate. May produce an allergic reaction.  
Safety data sheet available on request.

### 2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. The harmful effects may increase in used grease.  
Greases are generally hazardous to the environment.

The product does not contain any substance identified as having endocrine disrupting properties.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

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## CLP:

| %:    | CAS-No.:   | EC No.:   | REACH Reg. No: | Chemical name:   | Hazard classification:                  | Notes: |
|-------|------------|-----------|----------------|--|---|--------|
| 2,5-5 | 38900-29-7 | 254-184-4 | -              | Dilithium azelate  | Acute Tox. 4;H302                       |        |
| 2,5-5 | 85736-59-0 | 288-470-5 | -              | Bismuth octoate  | Eye Irrit. 2;H319<br>Skin Sens. 1;H317  |        |
| <1    | 68411-46-1 | 270-128-1 | -              | Benzenamine, N-phenyl-,<br>reaction products with 2,4,4-<br>trimethylpentene | Repr. 2;H361f<br>Aquatic Chronic 3;H412 |        |

| Chemical name:   | SCL | M (ac) | M (chr) | ATE(o)<br>(mg/kg<br>bw) | ATE(d)<br>(mg/kg<br>bw) | ATE(i)<br>(dust/<br>mist<br>mg/L) | ATE(i)<br>(gas,<br>ppmV) | ATE(i)<br>(vapou<br>r,<br>mg/L) |
|--|-----|--------|---------|-------------------------|-------------------------|-----------------------------------|--------------------------|---------------------------------|
| Dilithium azelate  |     | -      | -       | -                       | -                       | -                                 | -                        | -                               |
| Bismuth octoate  |     | -      | -       | -                       | -                       | -                                 | -                        | -                               |
| Benzenamine, N-phenyl-,<br>reaction products with 2,4,4-<br>trimethylpentene |     | -      | -       | 5000                    | 2000                    | -                                 | -                        | -                               |

References: The full text for all hazard statements is displayed in section 16.

This product contains no ingredient in a concentration greater than 0.1% listed by the EU as a Substance of Very High Concern (SVHC).

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

|                      |   |
|----------------------|---|
| <u>Inhalation:</u>   | Not likely, due to the form of the product.<br>If symptoms occur by inhalation of fumes, mists or vapours from this product: Move into fresh air and keep at rest.<br>In case of persistent throat irritation or coughing: Seek medical attention and bring along these instructions. |
| <u>Skin contact:</u> | Wash skin with soap and water. Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.  |
| <u>Eye contact:</u>  | Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.   |
| <u>Ingestion:</u>    | Rinse mouth with water. Drink 1-2 glasses of water. Do not induce vomiting. Get medical attention if any discomfort continues.  |

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: See section 11 for more detailed information on health effects and symptoms.

### 4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

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## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

Extinguishing media: Small fires: Extinguish with carbon dioxide or dry powder.  
Larger fires: Extinguish with foam, carbon dioxide or dry powder.  
Do not use water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

Specific hazards: During fire, gases hazardous to health may be formed.

### **5.3. Advice for firefighters**

Cool containers exposed to heat with water spray and remove container, if no risk is involved. Use water to keep fire exposed containers cool and disperse vapours.  
Dike and collect extinguishing water.

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions: Avoid contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.  
In case of spills, beware of slippery floors and surfaces. Mark the spillage.

### **6.2. Environmental precautions**

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

### **6.3. Methods and material for containment and cleaning up**

Stop leak if safe to do so.

Methods for cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material.  
Absorb spillage with oil-absorbing material.  
Clean contaminated area with oil-removing material.  
Inform Authorities if large amounts are involved.

### **6.4. Reference to other sections**

References: For personal protection, see section 8.  
For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice: Provide adequate ventilation. Avoid prolonged and repeated contact with grease, particularly used grease. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Observe good chemical hygiene practices.

Technical measures: Work practice should minimise contact.

Technical precautions: When working with heated grease, mechanical ventilation may be required.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Keep containers tightly closed. Store in a cool and well-ventilated place. Do not store near heat sources or expose to high temperatures. Store at a temperature below 45°C.

### 7.3. Specific end use(s)

Specific use(s): Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

EU: No occupational exposure limit assigned.  
Please note that there may be national occupational exposure limits.

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation. The risk of inhalation of vapours and spray mist must be minimised as much as possible. When working with heated grease, mechanical ventilation may be required.  
Provide access to washing facilities incl. soap, skin cleanser, barrier cream and fatty cream.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation use suitable respirator. Use respiratory equipment with particle filter, type P2.

Hand protection: Risk of contact: Wear protective gloves. Nitrile gloves are recommended. Thickness:  $\geq 0,38$  mm. Breakthrough time:  $> 480$  min.  
Other types of gloves can be recommended by the glove supplier. The most suitable glove must be chosen in collaboration with the supplier of gloves, who can inform about the breakthrough time of the glove material.

Eye protection: Risk of contact: Wear goggles/face shield.

Skin protection: Wear apron or protective clothing in case of contact.

Hygiene measures: Wash hands after handling. Change contaminated clothing.

Environmental Exposure Controls: Do not discharge into drains, water courses or onto the ground.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state: Grease.  
Colour: Beige.  
Odour: Not available.  
Odour threshold: Not available.  
pH: Not relevant.  
Melting point / freezing point: Not available.  
Boiling point: Not available.  
Flash point: >150 °C  
Evaporation rate: Not available.  
Flammability (solid, gas): Not available.  
Explosion limits: Not available.  
Vapour pressure: Not available.  
Vapour density: Not available.  
Relative density: < 1000 kg/m<sup>3</sup> (25°C)  
Solubility: Insoluble in water  
Partition coefficient (n-octanol/water): Not available.  
Auto-ignition temperature (°C): Not available.  
Decomposition temperature (°C): Not available.  
Viscosity: Kinematic viscosity: > 20.5 mm<sup>2</sup>/s (40°C)  
Explosive properties: None under normal conditions.  
Oxidising properties: Not available.

### 9.2. Other information

Other data: None known.

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## SECTION 10: STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reactivity: Not reactive.

### **10.2. Chemical stability**

Stability: Stable under normal temperature conditions.

### **10.3. Possibility of hazardous reactions**

Hazardous Reactions: None known.

### **10.4. Conditions to avoid**

Conditions/materials to avoid: Heat, sparks, flames.

### **10.5. Incompatible materials**

Incompatible materials: Strong oxidizing substances.

### **10.6. Hazardous decomposition products**

Hazardous decomposition products: None in particular.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The harmful effects may increase in used grease.

|   |  |
|---|--|
| <u>Acute Toxicity (Oral):</u>             | Based on available data, the classification criteria are not met.  |
| <u>Acute Toxicity (Dermal):</u>           | Based on available data, the classification criteria are not met.  |
| <u>Acute Toxicity (Inhalation):</u>       | Based on available data, the classification criteria are not met.  |
| <u>Skin Corrosion/Irritation:</u>         | Based on available data, the classification criteria are not met.  |
| <u>Serious eye damage/irritation:</u>     | Based on available data, the classification criteria are not met.  |
| <u>Respiratory or skin sensitisation:</u> | OECD 429 - Local Lymph Node Assay (LLNA), Dermal, Mouse: Test has determined that the product is not sensitising by skin contact.  |
| <u>Germ cell mutagenicity:</u>            | Based on available data, the classification criteria are not met.  |
| <u>Carcinogenicity:</u>                   | Based on available data, the classification criteria are not met.  |
| <u>Reproductive Toxicity:</u>             | Based on available data, the classification criteria are not met.  |
| <u>STOT - Single exposure:</u>            | Based on available data, the classification criteria are not met.  |
| <u>STOT - Repeated exposure:</u>          | Based on available data, the classification criteria are not met.  |
| <u>Aspiration hazard:</u>                 | Based on available data, the classification criteria are not met.  |
| <u>Inhalation:</u>                        | Inhalation of oil mist or vapours formed during heating of the product will irritate the respiratory system and provoke coughing. Symptoms may include headache, nausea and difficulty in breathing.   |
| <u>Skin contact:</u>                      | Degreasing. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.  |
| <u>Eye contact:</u>                       | Direct contact may irritate.   |
| <u>Ingestion:</u>                         | May irritate and cause malaise.  |
| <u>Specific effects:</u>                  | Prolonged or repeated contact with used grease may cause serious skin diseases, such as dermatitis.  |
| <u>Toxicological data:</u>                | Toxicological information on ingredients.<br><br>Dilithium azelate<br>LD50, Oral: > 300 mg/kg<br>LD50, Dermal: > 2000 mg/kg<br><br>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene:<br>LD50 (oral, rat): >5000 mg/kg<br>LD50 (dermal, rat) > 2000 mg/kg. |

### 11.2. Information on other hazards

|   |  |
|---|--|
| <u>Endocrine disrupting properties:</u> | The product does not contain any substance identified as having endocrine disrupting properties. |
| <u>Other information:</u>               | None known.  |

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: There are no data on the ecotoxicity of this product.  
Greases are generally hazardous to the environment.

### **12.2. Persistence and degradability**

Degradability: Not readily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: Will not bio-accumulate.

### **12.4. Mobility in soil**

Mobility: The product adsorbs to soil particles.  
The product is insoluble in water.

### **12.5. Results of PBT and vPvB assessment**

PBT/vPvB: This product does not contain any PBT or vPvB substances.

### **12.6. Endocrine disrupting properties**

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

### **12.7. Other adverse effects**

Other adverse effects: An oil film may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air.  
The product is non-volatile.

## SECTION 13: DISPOSAL CONSIDERATIONS

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

Waste from residues: EWC-code: 13 08 99

Contaminated packaging: Dispose of contaminated packings as residue.  
or  
EWC-code: 15 01 10

Empty packaging: Empty clean packaging should be collected for reuse.

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## SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

### **14.1. UN number**

UN-No: -

### **14.2. UN proper shipping name**

Proper Shipping Name: -

### **14.3. Transport hazard class(es)**

Class: -

### **14.4. Packing group**

PG: -

### **14.5. Environmental hazards**

Marine pollutant: -

Environmentally Hazardous substance: -

### **14.6. Special precautions for user**

Special precautions: None known.

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk: This product is not intended for transport in bulk.

## SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.  
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.  
Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.  
Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, with amendments.  
2014/955/EC: Commission Decision of 18 December 2014 amending Decision 2000/532/EC as regards the list of wastes.

### **15.2. Chemical Safety Assessment**

CSA status: No chemical safety assessment has been carried out.

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## SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

The following sections contain revisions or new statements: 1, 2, 3, 4, 8, 11, 12, 13, 16.

### Abbreviations and acronyms

used in the safety data sheet: ATE(d) = Acute Toxicity Estimate, dermal.  
ATE(o) = Acute Toxicity Estimate, oral.  
CSA = Chemical Safety Assessment.  
LC50 = Lethal Concentration 50%.  
LD50 = Lethal Dose 50%.  
PBT = Persistent, Bioaccumulative and Toxic.  
vPvB = very Persistent and very Bioaccumulative.

### Wording of H-statements:

|       |  |
|-------|--|
| H302  | Harmful if swallowed.                              |
| H317  | May cause an allergic skin reaction.               |
| H319  | Causes serious eye irritation.                     |
| H361f | CLP only - Suspected of damaging fertility.        |
| H412  | Harmful to aquatic life with long lasting effects. |

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The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Agern Allé 5, DK-2970 Hørsholm, Denmark.  
[www.dhigroup.com](http://www.dhigroup.com).

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