

# SAFETY DATA SHEET



Product name: Synthgrease Light Page: 1/10  
Supersedes date: 2018-04-09 Last revised date: 2019-12-03  
Product No.: 61029 SDS-ID: EU-EN/2.1

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## 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: YX Smørelolie A/S  
Buddingevej 195  
DK-2860 Søborg  
Tel:+45 7011 5678  
teknik@yxlube.dk  
yxlube.dk

Supplier: YX Smørelolie AS  
Lysaker Torg 35  
NO-1366 Lysaker  
Tel:+47 04210  
olje@yx.no  
<https://olje.yx.no>

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

### 1.4. Emergency telephone number

Emergency telephone: Poison Control Centers may be available in specific member countries.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

CLP: The product is not classified.

### 2.2. Label elements

The substance/mixture does not meet the criteria for classification and labelling.

### 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.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

This product is a polyalphaolefin-based lithium fat with additive.

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## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

Inhalation: Move into fresh air and keep at rest. In case of persistent throat irritation or coughing: Seek medical attention and bring along these instructions.

Skin contact: 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.

Eye contact: 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.

Ingestion: Rinse mouth with water. Do not induce vomiting. Get medical attention.

### **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.

## 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**

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

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## 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. Inform Authorities if large amounts are involved. Mark the spillage. In case of spills, beware of slippery floors and surfaces.

### **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**

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

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Safe handling advice: 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. Avoid inhalation of dust and vapours. 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.

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## 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 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.

**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:**

Not available.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<u>Appearance:</u>	Grease.
<u>Colour:</u>	Beige.
<u>Odour:</u>	Not available.
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not relevant.
<u>Melting point / freezing point:</u>	Not available.
<u>Boiling point:</u>	Not available.
<u>Flash point:</u>	150 °C
<u>Evaporation rate:</u>	Not available.
<u>Explosion limits:</u>	Not available.
<u>Vapour pressure:</u>	Not available.
<u>Vapour density:</u>	Not available.
<u>Relative density:</u>	< 1000 kg/m <sup>3</sup> (25°C)
<u>Solubility:</u>	Not available.
<u>Partition coefficient (n-octanol/water):</u>	Not available.
<u>Auto-ignition temperature (°C):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	Not available.
<u>Oxidising properties:</u>	Not available.

### 9.2. Other information

<u>Other data:</u>	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.

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: 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.

Skin contact: Degreasing. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact: Direct contact may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Prolonged or repeated contact with used grease may cause serious skin diseases, such as dermatitis.

Toxicological data: (calculated):  
Acute Toxicity (Oral LD50): 5135 mg/kg  
Acute Toxicity (Dermal LD50): 2515 mg/kg  
Acute Toxicity (Inhalation LC50): 7,4 mg/l

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## SECTION 12: ECOLOGICAL INFORMATION

### **12.1. Toxicity**

Ecotoxicity: Greases are generally hazardous to the environment.

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

Degradability: Not readily biodegradable.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential: No data available on bioaccumulation.

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

Mobility: The product adsorbs to soil particles.

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

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

### **12.6. 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: 07 06 99

Contaminated packaging: Dispose of contaminated packings as residue.

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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/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: Not relevant. Not known.

## 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, 13.

Abbreviations and acronyms CSA= Chemical Safety Assessment.  
used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.  
vPvB = very Persistent and very Bioaccumulative.  
LD50 = Lethal Dose 50%.  
LC50 = Lethal Concentration 50%.

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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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