

SAFETY DATA SHEET



Product name: Synthgrease Medium
Supersedes date: 2017-10-06
Product No.:

Page: 1/10
Last revised date: 2019-12-03
SDS-ID: EU-EN/2.1

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

1.1. Product identifier

Product name: Synthgrease Medium

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

Application: Lubricating grease.

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 lithiumbismuth complex grease based on polyalphaolefin.

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	2/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: If symptoms occur by inhalation of fumes, mists or vapours from this product: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Rinse with water. Contact physician if discomfort continues. Make sure to remove any contact lenses from the eyes before rinsing.

Ingestion: Do not induce vomiting. Contact physician if larger quantity has been consumed.

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

Symptoms/effects: In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

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: 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

Move container from fire area if it can be done without risk.
Use water to keep fire exposed containers cool and disperse vapours.

Protective equipment for fire-fighters: Use air-supplied respirator during fighting of large fires (e.g. stockpile).

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	3/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

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.

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: Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Keep at a temperature not exceeding 45°C.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	4/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

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:

For prolonged or repeated skin contact use suitable 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.

SAFETY DATA SHEET

Product name: Synthgrease Medium
Supersedes date: 2017-10-06
Product No.:

Page: 5/10
Last revised date: 2019-12-03
SDS-ID: EU-EN/2.1

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Grease.
Form: Pasty
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.
Explosion limits: Not available.
Vapour pressure: Not available.
Vapour density: Not available.
Relative density: < 1000 kg/m³ (25°C)
Solubility: Not available.
Partition coefficient (n-octanol/water): Not available.
Auto-ignition temperature (°C): Not available.
Decomposition temperature (°C): Not available.
Viscosity: Not available.
Oxidising properties: Not available.
9.2. Other information
Other data: None known.

SAFETY DATA SHEET

Product name: Synthgrease Medium

Page: 6/10

Supersedes date: 2017-10-06

Last revised date: 2019-12-03

Product No.:

SDS-ID: EU-EN/2.1

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

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: Heating.

10.5. Incompatible materials

Incompatible materials: Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	7/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

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: Not relevant at normal room temperatures. When heated, irritating vapours may be formed. 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: Toxicological information (calculated)
LD50 (Oral): 4708 mg/kg
LD50 (Dermal): 2424 mg/kg
LC50 (Inhalative): 7,4 mg/l

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	8/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Greases are generally hazardous to the environment.

12.2. Persistence and degradability

Degradability: The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not bioaccumulable.

12.4. Mobility in soil

Mobility: The product adsorbs to soil particles.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: Not relevant.

12.6. Other adverse effects

Other adverse effects: 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: Eliminate the contaminated packaging in an approved collecting and recycling centre, according to local/national regulations.

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	9/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

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.

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.

SAFETY DATA SHEET

Product name:	Synthgrease Medium	Page:	10/10
Supersedes date:	2017-10-06	Last revised date:	2019-12-03
Product No.:		SDS-ID:	EU-EN/2.1

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 PBT = Persistent, Bioaccumulative and Toxic.
used in the safety data sheet: vPvB = very Persistent and very Bioaccumulative.

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.

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