

SAFETY DATA SHEET



Product name: Biogrease Heavy EP 2 Page: 1/10
Supersedes date: 2019-12-17 Last revised date: 2023-08-18
Product No.: 61020 SDS-ID: EU-EN/3.0

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

1.1. Product identifier

Product name: Biogrease Heavy EP 2

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: Uno-X Smørelolie A/S
Buddingevej 195
DK-2860 Søborg
Tel:+45 7011 5678
teknik@unox.dk
<https://lube.unox.dk/>

Supplier: Uno-X Smørelolie AS
Gladengveien 2
NO-0661 Oslo
Tel:+47 04210 / 95059618
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.

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.

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

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product is an anhydrous calcium grease based on biodegradable synthetic ester with additives.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move into fresh air and keep at rest. Get medical attention if any discomfort continues.

Skin contact: Wash skin with soap and water.

Eye contact: Rinse with water. Contact physician if discomfort continues.

Ingestion: Rinse mouth with water. 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.
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.
Ventilate well. 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

Stop leak if safe to do so.

Methods for cleaning up: Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material.
Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers.

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: Observe good chemical hygiene practices.
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.

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.
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.

8.2. Exposure controls

Engineering measures:

Provide adequate ventilation.
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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Physical state:</u>	Grease.
<u>Form:</u>	semi-liquid
<u>Colour:</u>	Yellow
<u>Odour:</u>	Not available.
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not available.
<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>	< 1 (25 °C)
<u>Solubility:</u>	not miscible with water
<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>	Kinematic viscosity: >20.5 mm ² /s @ 40°C
<u>Explosive properties:</u>	Not relevant during normal use.
<u>Oxidising properties:</u>	Not available.

9.2. Other information

<u>Other data:</u>	Not available.
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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: Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Incompatible materials: Strong oxidising agents.

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>	Based on available data, the classification criteria are not met.
<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>	Not relevant at normal room temperatures. When heated, irritating vapours may be formed. 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>	Mixture: ATE (Oral): 2103,80 mg/kg ATE (Dermal): 9903,00 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.
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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: The principal constituents are biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Will not bio-accumulate.

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. 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: 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.

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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: 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.

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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, 4, 6, 7, 9, 11, 12, 13, 16.

Abbreviations and acronyms used in the safety data sheet: CSA = Chemical Safety Assessment.
PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008:
Calculation method.
Expert judgement. Weight of evidence.
Bridging principle (Substantially similar mixtures).

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, Artvej 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
