SECTION 1: Identification of the substance/preparation and of the company/undertaking

1.1. Product identifier

Trade name: LGHP 2

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

Recommended uses: Lubricant Lubricating grease

1.3. Details of the supplier of the safety data sheet

Company: SKF MAINTENANCE PRODUCTS
Address: P.O. Box 2350
Zip code: 3430 DT
City: Nieuwegein
Country: NETHERLANDS
E-mail: sebastien.david@skf.com
Phone: +31 306307200
Homepage: www.skf.com

1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP-classification: The product shall not be classified as hazardous according to the classification and labeling rules for substance and mixtures.

Most serious harmful effects: May cause slight irritation to the skin and eyes. Degreases the skin. Long-term exposure may cause irritation and possible infection.

2.2. Label elements

Supplemental information
EUH210 Safety data sheet available on request.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS No</th>
<th>EC No</th>
<th>REACH Reg. No.</th>
<th>Concentration</th>
<th>Notes</th>
<th>CLP-classification</th>
</tr>
</thead>
</table>
Safety Data Sheet
LGHP 2

reaction mass of:
3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea, 3-cyclohexyl-1-(4-(4-(3-octadecylureido)benzyl)phenyl)urea, 3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)diurea

4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of persistent discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.

Skin contact: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.

Eye contact: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

General: When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes. Degreases the skin. Long-term exposure may cause irritation and possible infection.

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

Treat symptoms. No special immediate treatment required.

Ingredient comments: The mineral oils in the product contain <3% DMSO extract(IP 346).
SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.

Unsuitable extinguishing media: Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Not flammable, but combustible. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

5.3. Advice for fire-fighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Wear safety goggles if there is a risk of eye splash. Wear gloves. Stay upwind/keep distance from source. Stop leak if this can be done without risk. Keep unnecessary personnel away.

For emergency responders: In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

The product should be used under well-ventilated conditions and preferably under process ventilation. Avoid contact with skin and eyes. Running water and eye wash equipment should be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not store with the following: Oxidisers. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

None.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

Measuring methods: Compliance with occupational exposure limits may be checked by occupational hygiene measurements.


8.2. Exposure controls

Appropriate engineering controls: Wear the personal protective equipment specified below.

Personal protective equipment, eye/face protection: Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

Personal protective equipment, hand protection: Plastic or rubber gloves recommended.

Personal protective equipment, respiratory protection: In case of risk of formation of spray mist, wear respiratory protective equipment with P2 filter. Respiratory protection must conform to one of the following standards: EN 136/140/145.

Environmental exposure controls: Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value/unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Paste Fat.</td>
</tr>
<tr>
<td>Colour</td>
<td>Light blue</td>
</tr>
<tr>
<td>Odour</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in the following: Water.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Non-explosive</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>No data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value/unit</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH (solution for use)</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>pH (concentrate)</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Melting point</td>
<td>253 °C</td>
<td></td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>210 °C</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Flammability limits</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data</td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>No data</td>
<td></td>
</tr>
</tbody>
</table>


**Partition coefficient n-octonol/water** | **No data**
---|---
**Auto-ignition temperature** | **Not spontaneously flammable**
**Decomposition temperature** | **No data**
**Viscosity** | **No data**
**Odour threshold** | **No data**

### 9.2 Other information

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value/unit</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>0.90 g/cm³ (25 °C)</td>
<td></td>
</tr>
</tbody>
</table>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Oxidisers.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

### 10.5. Incompatible materials

Oxidisers.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity - oral:** The product does not have to be classified. Test data are not available. Ingestion of large quantities may cause discomfort.

**Acute toxicity - dermal:** The product does not have to be classified. Test data are not available.

**Acute toxicity - inhalation:** The product does not have to be classified. Test data are not available.

**Skin corrosion/irritation:** The product does not have to be classified. Test data are not available. Degreases the skin. Long-term exposure may cause irritation and possible infection.

**Serious eye damage/eye irritation:** The product does not have to be classified. Test data are not available. Temporary irritation.

**Respiratory sensitisation or skin sensitisation:** The product does not have to be classified. Test data are not available.
Germ cell mutagenicity: The product does not have to be classified. Test data are not available.

Carcinogenic properties: The product does not have to be classified. Test data are not available.

Reproductive toxicity: The product does not have to be classified. Test data are not available.

Single STOT exposure: The product does not have to be classified. Test data are not available. Inhalation of spray mist may cause irritation to the upper airways.

Repeated STOT exposure: The product does not have to be classified. Test data are not available.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: On warming/heating, the vapours emitted may cause irritation to the respiratory organs. May cause coughing and breathing difficulties.

SECTION 12: Ecological information

12.1. Toxicity
The product does not have to be classified. Test data are not available. The product contains small quantities of environmentally hazardous substances.

12.2. Persistence and degradability
Test data are not available. Not expected to be biodegradable.

12.3. Bioaccumulative potential
Test data are not available.

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
Oil products may cause soil and water pollution.

German water pollution classification (WGK): 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste (Dir. 2008/98/EU). Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements. Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

Category of waste: EWC code: Depends on line of business and use, for instance 13 02 08* other engine, gear and lubricating oils
Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter
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Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1. UN-No.:</th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2. UN proper shipping name:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>14.3. Transport hazard class(es):</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

| 14.4. Packing group:            | Not applicable. |
| 14.5. Environmental hazards:    | Not applicable. |

14.6. Special precautions for user
None.

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
Special Provisions: None.

15.2. Chemical Safety Assessment
Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

<table>
<thead>
<tr>
<th>Version</th>
<th>Revision date</th>
<th>Responsible</th>
<th>Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.2.0</td>
<td>27/02/2020</td>
<td>Bureau Veritas HSE/ SRU</td>
<td>8-9, 13, 16</td>
</tr>
</tbody>
</table>

Abbreviations:
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative
STOT: Specific Target Organ Toxicity

Other Information:
This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

Training advice:
A thorough knowledge of this safety data sheet should be a prerequisite condition.

Classification method:
Calculation based on the hazards of the known components.

List of relevant H-statements
H412  Harmful to aquatic life with long lasting effects.
H413  May cause long lasting harmful effects to aquatic life.