

Safety data sheet

Version: 01.03/USA

SECTION 1: Identification

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

For Chemical Emergency
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Location:
CHEMTREC
2900 Fairview Park Drive
Falls Church VA 22042-4513
USA

1.3. Details of the supplier of the safety data sheet

Supplier: SKF MAINTENANCE PRODUCTS
Postboks 1008
NL-3430 Nieuwegein
The Netherlands
Tel: +31 30 6307200
Fax: +31 30 6307205
Email: sebastien.david@skf.com
Contact person: Sébastien David

1.4. Emergency telephone number

+31 30 6307200

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification: Skin Sens. 1

Most serious harmful effects: May cause an allergic skin reaction.
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



Signal word: Warning

Contains: 3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea
 H-phrases: May cause an allergic skin reaction.
 P-phrases: Wear protective gloves.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

CAS No.	Substance	w/w%	Note
-	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	2-5	.
406-530-2	hexyl-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	.	.
68411-46-1-C	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	2-5	.
270-128-1	3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea	.	.
58890-25-8-A	3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea	2-5	.
406-370-3	3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea	.	.
43136-14-7-A	3,3'-dicyclohexyl-1,1'-methylenebis(4,1-phenylene)diurea	.	.
406-690-3	3,3'-dioctadecyl-1,1'-methylenebis(4,1-phenylene)diurea	1-3	.

SECTION 4: First aid measures

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 discomfort.
 Skin: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
 Eyes: Flush with water (preferably using eyewash equipment) until irritation subsides. Seek medical advice if symptoms persist.
 Other information: Bring the safety data sheet or label when seeking medical advice

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

May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering, and ulceration – often slowly developing. 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.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited inventory.
 Unsuitable extinguishing media: Do not use a jet of water, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapor and smoke 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.

For emergency responders: In addition to the above: Protective suit 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 spills using 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

Store safely, out of reach of children and away from food, animal feeding stuffs, drugs, 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

Legal basis: ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2017. OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

Contains no substances subject to disclosure requirements.

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.

Personal protective equipment, skin protection: In the event of direct skin contact, wear protective gloves. Type of material: Nitril rubber. Breakthrough time has not been determined for the product. Change gloves often.

Personal protective equipment, respiratory protection: In the event of spray-mist hazard, wear respiratory protective equipment with P2 filter.

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

State: Paste /Fat.
Color: Light blue
Odour: Characteristic
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): No data
Melting point/freezing point: 253 °C / 487 °F
Initial boiling point and boiling range: No data
Flash point: 210 °C / 410 °F
Evaporation rate: No data
Flammability (solid, gas): No data
Upper/lower flammability limits: No data
Upper/lower explosive limits: No data
Vapor pressure: No data
Vapour density: No data
Relative density: 0,90 (25 °C)
Solubility: Insoluble in the following: Water.
Partition coefficient: No data

n-octanol/water:	
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data
Explosive properties:	No data
Oxidizing properties:	No data

9.2. Other information

None.

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:	May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering, and ulceration – often slowly developing.
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 according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals). 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 ground and water pollutants.
German water pollution classification (WGK): 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. 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.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

14.1. UN number

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14.2. UN proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

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14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

Special provisions:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

NFPA ratings (scale 0 - 4)

Health Hazard: 2

Flammability: 1

Instability: 0

HMIS III ratings (scale 0 - 4)

Health hazard: 2

Flammability: 1

Physical hazard: 0

SECTION 16: Other information

Changes have been made in the

following sections: 1,3,9,16

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

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

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

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 CFR29, §1910.1200.

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