

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

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

1.1. Product identifier

Trade name: LGHQ 2

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

Recommended uses: Lubricant.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: SKF MPT
 Address: Meidoornkade 14
 Zip code: 3992 AE
 City: AE Houten
 Country: NETHERLANDS
 E-mail: support.mpt@skf.com
 Phone: +31 30 6307200
 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.

2.2. Label elements

Supplemental information

EUH210 Safety data sheet available on request.
 EUH208 Contains Long chain alkenyl amide borate. May produce an allergic reaction.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.
 Endocrine disrupting properties: None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
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Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

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'	905-776-2	5 - 15 %		Aquatic Chronic 4;H413 LD50 (Acute toxicity - oral): > 2000 mg/kg bw
1,2-dihydro-2,2,4-trimethylquinoline polymer	26780-96-1 500-051-3 01-2119486783-23	< 2.5 %		Aquatic Chronic 3;H412 LD50 (Acute toxicity - oral): 4900 mg/kg bw LD50 (Acute toxicity - dermal): > 20000 mg/kg bw
Bis(nonylphenyl)amine	36878-20-3 253-249-4 01-2119488911-28	< 2.5 %		Aquatic Chronic 4;H413 LD50 (Acute toxicity - oral): > 10000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw
Decanedioic acid, disodium salt	17265-14-4 241-300-3	< 2.5 %		Eye Irrit. 2;H319
Long chain alkenyl amide borate	294-785-9 01-2119961359-26	< 1 %		Skin Sens. 1B;H317 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 2000 mg/kg bw

Please see section 16 for the full text of H- / EUH-phrases.

Ingredient comments: The mineral oils in the product contain <3% DMSO extract(IP 346).

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 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. The product contains small amounts of Long chain alkenyl amide borate. Persons with a known allergy may exhibit an allergic response to the product.

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

Treat symptoms. No special immediate treatment required.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

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. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

5.3. Advice for firefighters

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: Stop leak if this can be done without risk. Wear safety goggles if there is a risk of eye splash. Wear gloves.

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

Use the product under well-ventilated conditions. 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 expose to heat (e.g. sunlight). Store at temperatures below 45°C. Do not store with the following: Strong oxidisers.

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.

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

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

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020.

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: Not required.

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

Parameter	Value/unit
State	Paste
Colour	Blue
Odour	No data
Solubility	Insoluble in the following: Water.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Flash Point	> 150 °C	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	> 20.5 mm ² /s	(40 °C)
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	< 1000 kg/m ³	(25 °C)
Relative density	No data	
Vapour density	No data	

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Parameter	Value/unit	Remarks
Explosive properties		Non-explosive
VOC (Volatile organic compounds):	0,08 %	

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with the following: Strong 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

Do not expose to heat (e.g. sunlight).

10.5. Incompatible materials

Strong oxidisers.

10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - oral

LGHQ 2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		4429.90 mg/kg		Calculated	

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', EC-no 905-776-2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg bw			

1,2-dihydro-2,2,4-trimethylquinoline polymer, cas-no 26780-96-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		4900 mg/kg bw			

Bis(nonylphenyl)amine, cas-no 36878-20-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 10000 mg/kg bw			

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

Long chain alkenyl amide borate, EC-no 294-785-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Acute toxicity - dermal

LGHQ 2

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		4191.50 mg/kg		Calculated	

1,2-dihydro-2,2,4-trimethylquinoline polymer, cas-no 26780-96-1

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 20000 mg/kg bw			

Bis(nonylphenyl)amine, cas-no 36878-20-3

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg bw			

Long chain alkenyl amide borate, EC-no 294-785-9

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg bw			

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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

Skin corrosion/irritation: May irritate the skin - may cause reddening. The product does not have to be classified. Test data are not available.

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

Respiratory sensitisation or skin sensitisation: The product contains small amounts of Long chain alkenyl amide borate. Persons with a known allergy may exhibit an allergic response to the product. 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.

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.

11.2. Information on other hazards

Endocrine disrupting properties: None known.

Other toxicological effects: None known.

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

SECTION 12: Ecological information

12.1. Toxicity

Bis(nonylphenyl)amine, cas-no 36878-20-3

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Pimephales promelas		96hLC50	> 1000 mg/l			

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

12.2. Persistence and degradability

Not expected to be biodegradable. Test data are not available.

12.3. Bioaccumulative potential

1,2-dihydro-2,2,4-trimethylquinoline polymer, cas-no 26780-96-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	7.7			

Decanedioic acid, disodium salt, cas-no 17265-14-4

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	-4.9			

No bioaccumulation expected. Test data are not available.

12.4. Mobility in soil

Not expected to be mobile 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. Endocrine disrupting properties

None known.

12.7. 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 08 99* wastes not otherwise specified

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

SECTION 14: Transport information

<p>14.1. UN number or ID number: Not applicable.</p> <p>14.2. UN proper shipping name: Not applicable.</p> <p>14.3. Transport hazard class(es): Not applicable.</p>	<p>14.4. Packing group: Not applicable.</p> <p>14.5. Environmental hazards: Not applicable.</p>
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14.6. Special precautions for user

None.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

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

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

REACH Reg. No.	Substance name
01-2119486783-23	1,2-dihydro-2,2,4-trimethylquinoline polymer
01-2119488911-28	Bis(nonylphenyl)amine
01-2119961359-26	Long chain alkenyl amide borate

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.4.0	30/05/2023	Bureau Veritas HSE/ SRU	2-3, 8-12, 15-16

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 Regulation 1907/2006/EC "The Registration, Evaluation and Authorization of Chemicals" as amended by the stationary UK REACH etc. (EU Exit) 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.

Safety Data Sheet

LGHQ 2

Replaces date: 10/06/2022

Revision date: 30/05/2023

Version: 1.4.0

List of relevant H-statements

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

List of relevant EUH-statements

EUH208	Contains Long chain alkenyl amide borate. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Country: GB