

Safety Data Sheet

LGHP 2

Replaces date: 11/26/2018

Revision date: 2/27/2020

Version: 1.2.0

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 Australia Pty Ltd
Address: Adresse 17 - 21 Stamford Rd
Zip code: 3166
City: Oakleigh
State: Victoria
Country: AUSTRALIA
E-mail: SKF.australia@skf.com
Phone: (03) 9269 0800
Fax: (03) 9269 0886

1.4. Emergency Telephone Number

Poisons Information Centre: 13 11 26

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS 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

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

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Substance	CAS No	EC No	Concentration	Notes
Non hazardous mixture	-		100 %	

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

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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:	Bring the safety data sheet or label when seeking medical advice.

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.

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 a jet of water, 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 vapor and smoke gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves.

HazChem code: 2Z (White Z on black background).

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 is recommended.

6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

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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

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

Substance name	Time period	ppm	mg/m3	fiber/cm3	Remarks	Comments
Oil mist	-		5		refined, mineral	

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

Legal basis: Workplace exposure standards for airborne contaminants. (Date of effect: 16 December 2019)

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, 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.

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

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Parameter	Value/unit
Physical state	Paste Fat.
Colour	Light blue
Odour	Characteristic
Solubility	Insoluble in the following: Water.
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	253 °C	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flash Point	210 °C	
Evaporation rate	No data	
Flammability	No data	
Lower and upper flammability limit	No data	
Lower and upper explosion limit	No data	
Vapour pressure	No data	
Relative vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water (log value)	No data	
Auto-ignition temperature		Not spontaneously flammable
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks
Density	0,90 g/cm ³	(25 °C)

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.

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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

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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. 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.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

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

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Version	Revision date	Responsible	Changes
1.2.0	2/27/2020	Bureau Veritas HSE/ SRU	3, 8-10, 12, 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 WHS regulations.

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.

Document language: UN

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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 New Zealand Ltd
Address: Unit 3, 24 Bishop Dunn Place, Flat Bush
Zip code: 2013
City: Auckland
Country: NEW ZEALAND
Phone: 0800 705 705
Fax: +64 9 273 8513

1.4. Emergency Telephone Number

New Zealand National Poisons Centre / New Zealand Emergency Services: 0800 764 766 / 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS 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

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

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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

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:** Bring the safety data sheet or label when seeking medical advice.

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.

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 a jet of water, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

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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 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. 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 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

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

Substance name	Time period	ppm	mg/m3	fiber/cm3	Remarks	Comments
Oil mist	-		5		TWA	
Oil mist	-		10		STEL	

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

Legal basis: Workplace exposure standards and biological exposure indices. (November 2018)

8.2. Exposure controls

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

Personal protective equipment, eyeface protection: Wear safety goggles if there is a risk of eye splash.

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.

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
Physical state	Paste Fat.
Colour	Light blue
Odour	Characteristic
Solubility	Insoluble in the following: Water.
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	253 °C	
Freezing point	No data	
Boiling point or initial boiling point and boiling range	No data	
Flash Point	210 °C	
Evaporation rate	No data	
Flammability	No data	
Lower and upper flammability limit	No data	
Lower and upper explosion limit	No data	
Vapour pressure	No data	
Relative vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water (log value)	No data	
Auto-ignition temperature		Not spontaneously flammable
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

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Version: 1.2.0

9.2 Other information

Parameter	Value/unit	Remarks
Density	0,90 g/cm ³	(25 °C)

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

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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. 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.

SECTION 14: Transport information

14.1. UN-No.: Not applicable.

14.4. Packing group: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.5. Environmental hazards: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Not applicable.

SECTION 15: Regulatory information

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

Special Provisions: Not considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.

15.2. Chemical Safety Assessment

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.2.0	2/27/2020	Bureau Veritas HSE/ SRU	3, 8-10, 12, 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 GHS Rev. 7 (2017).

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.

Document language: UN