

Safety Data Sheet

LGEP 2

Replaces date: 13/06/2022

Revision date: 02/05/2023

Version: 1.4.0

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

1.1. Product identifier

Trade name: LGEP 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: Aquatic Chronic 3;H412

Most serious harmful effects: Harmful to aquatic life with long lasting effects. May cause slight irritation to the skin and eyes.

2.2. Label elements

Hazard Statements

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local regulation.

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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| | | | |
|--|---|-----------|--|
| Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts | 85940-28-9 288-917-4 01-2119521201-61 | 2.5 - 5 % | Skin Irrit. 2;H315 Eye Irrit. 2;H319 Aquatic Chronic 2;H411 LD50 (Acute toxicity - dermal): > 20000 mg/kg bw LD50 (Acute toxicity - oral): 3000 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.

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

| | |
|--|--|
| 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: Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear

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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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area. Do not store with the following: Strong oxidisers. Do not expose to heat (e.g. sunlight). Store at temperatures below 45°C.

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.

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 spraying/formation of spraying mists: Wear respiratory protective equipment. Filter type: A P. Respiratory protection must conform to one of the following standards: EN 136/140/145.

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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 | Light brown |
| Odour | No data |
| Solubility | Not miscible with 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 | |
| Relative density (sat. air) | No data | |
| Particle characteristics | No data | |

9.2. Other information

| Parameter | Value/unit | Remarks |
|----------------------|------------|---------------|
| Explosive properties | | Non-explosive |

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.

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10.4. Conditions to avoid

Avoid heating and contact with ignition sources. Avoid temperatures >45°C.

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

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| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------|------------|-------------|--------|
| | ATE (mix) | | 5057 mg/kg | | Calculated | |

Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts, cas-no 85940-28-9

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|---------------|------------|-------------|--------|
| Rat | LD50 | | 3000 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

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| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|--------------|------------|-------------|--------|
| | ATE (mix) | | 3205.2 mg/kg | | Calculated | |

Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts, cas-no 85940-28-9

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|------------------|------------|-------------|--------|
| Rabbit | LD50 | | > 20000 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 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.

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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.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

12.4. Mobility in soil

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 meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. 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

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Absorbent/cloth contaminated with the product: EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

SECTION 14: Transport information

14.1. UN number or ID number: 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. 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 |
|------------------|--|
| 01-2119521201-61 | Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts |

SECTION 16: Other information

Version history and indication of changes

| Version | Revision date | Responsible | Changes |
|---------|---------------|-------------------------|---------------|
| 1.4.0 | 02/05/2023 | Bureau Veritas HSE/ SRU | 2-3, 9-12, 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 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.

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

List of relevant H-statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Country: GB