

# Safety Data Sheet

## LGEP 2

### SECTION 1: Identification

#### 1.1. Product identifier

Trade name: LGEP 2

#### 1.2. Recommended use and restrictions on use

Recommended uses: Lubricant.

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Company: SKF Canada limited  
Address: 40 Executive Court, , ON,  
Zip code: M1S 4N4  
City: Toronto  
Country: CANADA  
E-mail: christian.urday@skf.com  
Phone: 416-892-5569

##### Manufacturer

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

+31 30 6307200

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

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

### SECTION 2: Hazard identification

#### 2.1. Classification of the substance or mixture

HPR classification: The product shall not be classified as hazardous according to the classification and

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labeling rules for substance and mixtures.

**Most serious harmful effects:** May cause slight irritation to the skin and eyes.

### 2.2. Label elements

#### Precautionary statements

P273 Avoid release to the environment.  
 P501 Dispose of contents/container in accordance with local regulation.

### 2.3. Other hazards known to the supplier

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes
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 %	

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

## SECTION 4: First-aid measures

### 4.1. Description of necessary 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, whether acute or delayed

May cause slight irritation to the skin and eyes.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptoms. No special immediate treatment required.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable and unsuitable 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.

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#### 5.2. Specific hazards arising from the hazardous product

Not flammable, but combustible. The product decomposes when combusted and the following toxic gases can be formed: Carbon monoxide and carbon dioxide.

#### 5.3. Special protective equipment and precautions 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:** Stay upwind/keep distance from source. 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 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 oxidizers. 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

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Notations
Mineral oil, excluding metal working fluids	OSHA		5		Oil mist, mineral oil	

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Mineral oil, excluding metal working fluids	ACGIH TWA		5		Pure, highly and severely refined	A4, I
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A4 = Not Classifiable as a Human Carcinogen.

I = Inhalable fraktion.

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

**Legal basis:** ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2023. OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006. There might be additional exposure limits due to regional and local laws and regulations. Local regulations may be more stringent than regional or national 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, 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.

**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
Color	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, in the case of solids and gases	No data	
upper and lower 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 <sup>2</sup> /s	(40 °C)

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Viscosity	No data	
partition coefficient — n-octanol/water	No data	
Vapour pressure	No data	
Density	< 1000 kg/m <sup>3</sup>	(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 oxidizers.

#### 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. Avoid temperatures >45°C.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### 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.

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#### 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 sensitization or skin sensitization:** 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.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

The product contains small quantities of environmentally hazardous substances.

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

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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. Contact the local authorities. 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 number:** Not applicable.

**14.2. United Nations proper shipping name:** Not applicable.

**14.3. Transport hazard class:** 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 the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code))**

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, made within or outside Canada, specific to the product in question**

**Special Provisions:** None.

#### 15.2. Chemical Safety Assessment

Substance name
Phosphorodithioc acid, mixed O,O-bis(2-ethylhexyl and iso-butyl and iso-propyl) esters, zinc salts

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### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.4.0	2023-05-02	Bureau Veritas HSE/ SRU	8-12, 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 Hazardous Products Regulations as subsequently changed.

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

**Revision date:** 2023-05-02

**Replaces date:** 2022-06-13

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

**Country:** CA