

# Safety Data Sheet

## LGEP 1

### SECTION 1: Identification

#### 1.1. Product identifier used on the label

Trade name: LGEP 1

#### 1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Lubricant.

Inadvisable uses: None.

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

##### Supplier

Company: SKF USA Inc.  
Address: 890 Forty Foot Road  
Zip code: 19446  
City: Lansdale, PA  
Country: UNITED STATES OF AMERICA  
Email: Mapro.Repair.USA@skf.com  
Phone: +1 888-753-3477  
Homepage: www.skf.com

##### Manufacturer

Company: SKF MPT  
Address: Meidoornkade 14  
Zip code: 3992 AE  
City: AE Houten  
Country: NETHERLANDS (KINGDOM OF THE)  
Email: support.mpt@skf.com  
Phone: +31 30 6307200  
Homepage: www.skf.com

#### 1.4. Emergency phone 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

# Safety Data Sheet

## LGEP 1

### 2.1. Classification of the chemical in accordance with paragraph (d) of §1910.1200

**HazCom classification:** Skin sensitization, Category 1;H317

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

### 2.2. Label elements

#### Pictograms



**Signal word:** Warning

#### Contains

**Substance:** Naphthenic acids, zinc salts; Polysulfides, di-tert-dodecyl; Dipentylammonium dipentylidithiocarbamate;

#### Hazard Statements

May cause an allergic skin reaction.

#### Precautionary statements

Wear protective gloves.

### 2.3. Other hazards which do not result in classification

None known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No	Concentration	Notes
Naphthenic acids, zinc salts	12001-85-3	1 -< 5 %	
Polysulfides, di-tert-dodecyl	68425-15-0	1 -< 5 %	
zinc oxide	1314-13-2	0.1 -< 1 %	
Dipentylammonium dipentylidithiocarbamate	71902-20-0	0.1 -< 1 %	

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

The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

## 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

# Safety Data Sheet

## LGEP 1

medical advice if symptoms persist.

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

### 4.2. Most important symptoms/effects, acute and delayed.

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

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

### 5.2. Specific hazards arising from the chemical

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

### 5.3. Special protective equipment and precautions for fire-fighters.

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. Wear safety goggles if there is a risk of eye splash. Wear gloves. Provide good ventilation.

**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

Running water and eye wash equipment must be available. Wash hands before breaks, before using restroom facilities, and at the end of work.

# Safety Data Sheet

## LGEP 1

### 7.2. Conditions for safe storage, including any incompatibilities

To be stored safely out of reach of children and not together with food, feed, medicine and the like. Keep in tightly closed original packaging. Store in a cool, dry place. Do not store with the following: Oxidizers/ Acids. Storage temperature: 41 - 104 °F. Do not expose to heat (e.g. sunlight).

### 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
zinc oxide	ACGIH STEL		10			R
zinc oxide	OSHA		5		Fume.	
zinc oxide	OSHA		15		Total dust	
zinc oxide	OSHA		5		Respirable fraction.	R
zinc oxide	ACGIH TWA		2			R
Mineral oil, excluding metal working fluids	ACGIH TWA		5		Pure, highly and severely refined. OEL value for: Mineral oil, excluding metal working fluids	A4, I
Mineral oil, excluding metal working fluids	OSHA		5		OEL value for: Mineral oil, excluding metal working fluids	

A4 = Not Classifiable as a Human Carcinogen.

R = Respirable fraction.

I = Inhalable fraktion.

#### Measuring methods:

Compliance with occupational exposure limits may be checked by occupational hygiene measurements according to NIOSH/OSHA.

#### Legal basis:

ACGIH Threshold Limit Values (TLV's) and Biological Exposure Indices (BEI's), 2025. OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

### 8.2. Exposure controls

#### Appropriate engineering controls:

Use the product under well-ventilated conditions. 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:

Wear gloves. Type of material and thickness: Nitrile rubber/ 0,12 mm. Penetration time: 4 hours.  
The suitability and durability of a glove is dependant on usage, e.g. frequency and duration of contact, glove material thickness, functionality and chemical resistance. Always seek advice from the glove supplier.

#### Personal protective equipment, respiratory protection:

In case of missing process ventilation: Wear respiratory protective equipment. Filter type: AP3.

# Safety Data Sheet

## LGEP 1

**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	Yellow
Odour	Characteristic
Solubility	No data

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	> 170 °C	> 338 °F
Freezing point	No data	
Initial boiling point and boiling range	> 250 °C	> 482 °F
Flammability (solid, gas)	No data	
Upper/lower flammability limits	No data	
Explosion limits	No data	
Flash Point	> 200 °C	> 392 °F
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	~ 0.93 g/cm <sup>3</sup>	(77 °F)
Relative density	No data	
Relative vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

#### 9.2. Other information

Parameter	Value/unit	Remarks
Oxidizing properties		Non-oxidizing.
VOC (Volatile organic compounds):	<3 w/w %	

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Oxidizers/ Acids.

#### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

# Safety Data Sheet

## LGEP 1

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources. Avoid direct sunlight.

### 10.5. Incompatible materials

Oxidizers/ Acids.

### 10.6. Hazardous decomposition products

The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Carbon monoxide and carbon dioxide/ Nitrous gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

#### Dipentylammonium dipentylidithiocarbamate, cas-no 71902-20-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE		> 300 mg/kg			

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:** 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:** May cause slight irritation. 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:** 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. This product does not contain any carcinogens or potential carcinogens at reportable quantities as listed by OSHA, IARC or NTP.

**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.

## Safety Data Sheet

### LGEP 1

#### 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** None known.

### SECTION 12: Ecological information

#### 12.1. Ecotoxicity

##### LGEP 1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Brachydanio rerio		96hLC50	> 100 mg/l			
Crustacea	Daphnia magna		48hEC50	> 100 mg/l			
Algae	Desmodesmus subspicatus		72hEC50	> 100 mg/l			
Algae	Desmodesmus subspicatus		72hNOEC	> 100 mg/l			

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### 12.2. Persistence and degradability

Test data are not available.

#### 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. 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

Disposal should be in accordance with applicable regional, national and local laws and regulations.

# Safety Data Sheet

LGEP 1

## SECTION 14: Transport information

<b>14.1. UN number:</b>	Not applicable.	<b>14.4. Packing group:</b>	Not applicable.
<b>14.2. UN proper shipping name:</b>	Not applicable.	<b>14.5. Environmental hazards:</b>	Not applicable.
<b>14.3. Transport hazard class(es):</b>	Not applicable.		

**14.6. Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.**

None.

**14.7. 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 specific for the product in question**

**Proposition 65**

**Chemicals known to cause cancer:** None of the substances in the formulation is listed in the latest version publicly available.

**Chemicals known to cause reproductive toxicity:** None of the substances in the formulation is listed in the latest version publicly available.

**TSCA:** All substances in the formulation are listed in the latest version publicly available.

**NFPA ratings**

**Health hazard:** 2

**Flammability:** 1

**Instability:** 0

**15.2. Chemical Safety Assessment**

Substance name
Naphthenic acids, zinc salts
Polysulfides, di-tert-dodecyl
zinc oxide
Dipentylammonium dipentylidithiocarbamate

## SECTION 16: Other information

**Version history and indication of changes**

Version	Revision date	Responsible	Changes
1.2.0	7/10/2025	SRU	1,3,5,7,8,9,11,13,15,16

**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

## Safety Data Sheet

### LGEP 1

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.

<b>Training advice:</b>	A thorough knowledge of this safety data sheet should be a prerequisite condition.
<b>Issued:</b>	1/12/2021
<b>Revision date:</b>	7/10/2025
<b>Replaces date:</b>	8/23/2022
<b>Classification method:</b>	Calculation based on the hazards of the known components. Test data.
<b>Country:</b>	US