

# Safety Data Sheet

## LDS 1

Replaces date: 09/06/2022

Revision date: 01/08/2023

Version: 1.4.0

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

#### 1.1. Product identifier

Trade name: LDS 1

#### 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 (KINGDOM OF THE)  
 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.

#### 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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Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	- 920-107-4 01-2119453414-43	25 - 50 %	4	Asp. Tox. 1;H304 EUH066 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 5000 mg/kg bw
Distillates (petroleum), hydro- treated light	64742-47-8 265-149-8	5 - 10 %		Asp. Tox. 1;H304 LD50 (Acute toxicity - oral): > 5000 mg/kg bw LD50 (Acute toxicity - dermal): > 5000 mg/kg bw

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

4 = H304 is not applicable due to the high viscosity of the product.

**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

<b>Inhalation:</b>	Seek fresh air. Seek medical advice in case of persistent discomfort.
<b>Ingestion:</b>	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of persistent discomfort.
<b>Skin contact:</b>	Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
<b>Eye contact:</b>	Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.
<b>General:</b>	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

<b>Suitable extinguishing media:</b>	Extinguish with powder, foam or water mist. Use water or water mist to cool non-ignited stock.
<b>Unsuitable extinguishing media:</b>	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.

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### 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

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 in a cool, dry place. Do not store with the following: Strong oxidisers/ Strong alkalis/ Strong acids. Store at temperatures below 65°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	Comments
Distillates (petroleum), hydro- treated light	15m				Normal and branched chain alkanes >=C7	
Distillates (petroleum), hydro- treated light	8h		1200		Normal and branched chain alkanes >=C7	

##### Measuring methods:

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

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

### 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. Eye protection must conform to EN 166.

**Personal protective equipment, hand protection:** Plastic or rubber gloves recommended.

**Personal protective equipment, respiratory protection:** Not required.

**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	Liquid
Colour	White
Odour	Characteristic
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	0.5 - 6 vol%	
Flash Point	> 100 °C	ASTM D92
Auto-ignition temperature	> 200 °C	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	~ 28 mm <sup>2</sup> /s	(40 °C) (ASTM D445)
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	< 1 hPa	(20 °C)
Density	~ 841 kg/m <sup>3</sup>	(25 °C) (ASTM D 4052)
Relative density	No data	
Vapour density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

### 9.2. Other information

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**Other Information:** None.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts with the following: Strong oxidisers/ Strong alkalis/ Strong acids.

#### 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/ Strong alkalis/ Strong acids.

#### 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

##### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

##### Distillates (petroleum), hydro- treated light, cas-no 64742-47-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 401	

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

##### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000 mg/kg bw		OECD 402	

##### Distillates (petroleum), hydro- treated light, cas-no 64742-47-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 5000 mg/kg bw		OECD 402	

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

##### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
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Rat	LC50	4 h	> 5000 mg/m <sup>3</sup>		OECD 403	
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The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

<b>Skin corrosion/irritation:</b>	May irritate the skin - may cause reddening. The product does not have to be classified. Test data are not available.
<b>Serious eye damage/eye irritation:</b>	Temporary irritation. The product does not have to be classified. Test data are not available.
<b>Respiratory sensitisation or skin sensitisation:</b>	The product does not have to be classified. Test data are not available.
<b>Germ cell mutagenicity:</b>	The product does not have to be classified. Test data are not available.
<b>Carcinogenic properties:</b>	The product does not have to be classified. Test data are not available.
<b>Reproductive toxicity:</b>	The product does not have to be classified. Test data are not available.
<b>Single STOT exposure:</b>	The product does not have to be classified. Test data are not available.
<b>Repeated STOT exposure:</b>	The product does not have to be classified. Test data are not available.
<b>Aspiration hazard:</b>	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

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		LC50	1000 mg/l			
Crustacea	Daphnia magna		EC50	1000 mg/l			
Algae	Pseudokirchneriella subcapitata		72hEC50	1000 mg/l			
Algae	Pseudokirchneriella subcapitata		NOEC	1000 mg/l			

#### Distillates (petroleum), hydro- treated light, cas-no 64742-47-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss		LC50	1 mg/l			
Crustacea	Daphnia magna		EC50	1 mg/l			

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Algae	Pseudokirchneriella subcapitata		72hEC50	1 mg/l			
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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

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		67.6 %	Readily biodegradable.		

Expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics, cas-no -

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	> 4			

The product is potentially bioaccumulative.

### 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

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 02 08\* other engine, gear and lubricating oils

Absorbent/cloth contaminated with the product: EWC code: 15 02 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

## 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.

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**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
01-2119453414-43	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics

### SECTION 16: Other information

**Version history and indication of changes**

Version	Revision date	Responsible	Changes
1.4.0	01/08/2023	Bureau Veritas HSE/ SRU	2,3,7,8,9,10,11,12,16

**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.

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

**List of relevant H-statements**

H304 May be fatal if swallowed and enters airways.

**List of relevant EUH-statements**

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH210 Safety data sheet available on request.

**Country:** GB