

Safety Data Sheet

LDTS 1

Replaces date: 30/06/2025

Revision date: 04/08/2025

Version: 1.6.0

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

1.1. Product identifier

Trade name: LDTS 1

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended uses: Lubricant.

Inadvisable uses: None.

1.3. Details of the supplier of the safety data sheet

Supplier

Company: SKF UK Ltd
 Address: 400 Capability Green
 Zip code: LU1 3LU
 City: Luton
 Country: UNITED KINGDOM
 Email: technical.helpdesk.uk@skf.com
 Phone: +44 1582 490049
 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 substances 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./ UK-REACH Reg. No.	Concentration	Notes	CLP-classification
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Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics	- 920-107-4	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

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

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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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 not together with food, feed, medicine and the like. 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 ³	Fiber/cm ³	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.

Legal basis: EH40/2005 Workplace exposure limits. Last amended January 2020. Control of Lead at

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Work Regulations 2002. Control of Asbestos Regulations 2012.

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 16321.

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	
Boiling point or initial boiling point and boiling range	No data	
Flammability	No data	
Flammability limits	No data	
Lower and upper explosion limit	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 ² /s	(40 °C) (ASTM D445)
Viscosity	No data	
Partition coefficient n-octanol/water (log value)	No data	
Vapour pressure	< 1 hPa	(20 °C)
Density	~ 841 kg/m ³	(25 °C) (ASTM D 4052)
relative density	No data	
Relative 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 ³	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.

- 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:** Temporary 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.
- 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

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

UK-REACH Reg. No.	Substance name
	Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclics, <2% aromatics

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.6.0	04/08/2025	SRU	1,8,16

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.

Hazard statements

H304 May be fatal if swallowed and enters airways.

Supplemental hazard information

EUH066 Repeated exposure may cause skin dryness or cracking.
 EUH210 Safety data sheet available on request.

Country: GB