

Safety Data Sheet

LHHT 250

SECTION 1: Identification

1.1. Product identifier used on the label

Trade name: LHHT 250

1.2. Recommended use of the chemical and restrictions on use

Recommended uses: Lubricant.

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
E-mail: 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)
E-mail: 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(s) identification

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

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HazCom classification: Skin sensitization, Category 1;H317
Hazardous to the aquatic environment, long-term (Chronic), Category 3;H412

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

2.2. Label elements

Pictograms



Signal word: Warning

Contains

Substance: 4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline;

Hazard Statements

May cause an allergic skin reaction.
Harmful to aquatic life with long lasting effects.

Precautionary statements

Avoid release to the environment.
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./ EC No./ REACH Reg. No.	Concentration	Notes
Polybuten	9003-29-6	10 -< 12.5 %	
4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline	10081-67-1 233-215-5 01-2119967418-24	< 1 %	
Oleoylsarcosine	110-25-8 203-749-3 01-2119488991-20	< 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.

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- 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:** 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/ Sulphur oxides.

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 vapor and smoke 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 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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Use the product under well-ventilated conditions. Running water and eye wash equipment must 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, drugs, etc. Keep in tightly closed original packaging. Do not store with the following: Oxidizers.

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	Notations
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	ACGIH TWA				Poorly and mildly refined. OEL value for: Mineral oil, excluding metal working fluids	A2, L
Mineral oil, excluding metal working fluids	OSHA		5		OEL value for: Mineral oil, excluding metal working fluids	

A2 = Suspected Human Carcinogen.

I = Inhalable fraktion.

A4 = Not Classifiable as a Human Carcinogen.

L = Exposure by all routes should be carefully controlled to levels as low as possible.

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), 2023.
OSHA 29 CFR part 1910.1000, table Z1-Z3, Limits for Air Contaminants 2006.

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:

In the event of direct skin contact, wear protective gloves: Type of material and thickness: Nitrile rubber/ > 1 mm. Penetration time: > 60 min.

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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: Not required.

In case of spraying/formation of spraying mists: Wear respiratory protective equipment.
Filter type: 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	Liquid
Color	Amber
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	
Upper/lower flammability limits	No data	
Explosion limits	No data	
Flash Point	~ 250 °C	~ 482 °F
Auto-ignition temperature	No data	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	225 - 275 mm ² /s	(104 °F)
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	No data	
Density	0.935 - 0.945 g/cm ³	(59 °F)
Relative density	No data	
Vapor density	No data	
Relative density (sat. air)	No data	
Particle characteristics	No data	

9.2. Other information

Other Information: None.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reacts with the following: 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

None known.

10.5. Incompatible materials

Oxidizers.

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/ Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.

Acute toxicity - dermal: The product does not have to be classified. Test data are not available.

Acute toxicity - inhalation

Oleoylsarcosine, cas-no 110-25-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
	ATE (vapours)	4 h	11 mg/l			
	ATE (dust/mist)	4 h	1.37 mg/l			

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 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: This product does not contain any carcinogens or potential carcinogens at reportable quantities as listed by OSHA, IARC or NTP. 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. Ecotoxicity

The product contains small quantities of environmentally hazardous substances. The product does not have to be classified. Test data are not available.

12.2. Persistence and degradability

4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline, cas-no 10081-67-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		29 %			ECHA

Oleoylsarcosine, cas-no 110-25-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		85.2 %			ECHA

The product contains at least one readily biodegradable substance.
Not expected to be biodegradable.

12.3. Bioaccumulative potential

4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline, cas-no 10081-67-1

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	> 3			

Oleoylsarcosine, cas-no 110-25-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Kow	3.5 - 4.2			

Bioaccumulation can be expected.

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.

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12.7. Other adverse effects

None known.

German water pollution classification (WGK): 2

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 as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. 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.

SECTION 14: Transport information

14.1. UN number: Not applicable.

14.2. UN proper shipping name: Not applicable.

14.3. Transport hazard class(es): Not applicable.

14.4. Packing group: Not applicable.

14.5. Environmental hazards: 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 Annex II of MARPOL 73/78 and the 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 specific for the product in question

Special Provisions:

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

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Substance name
Oleoylsarcosine
4-(1-methyl-1-phenylethyl)-N-[4-(1-methyl-1-phenylethyl)phenyl]aniline

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	7/7/2023	Bureau Veritas HSE/ SRU	2,3,4,8,11,12,15,16

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 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.

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

Issued: 7/17/2020

Revision date: 7/7/2023

Replaces date: 3/20/2022

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

Country: US