

Safety Data Sheet

LHHT 265

Replaces date: 15/03/2018

Revision date: 21/03/2019

Version: 1.0.0

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

1.1. Product identifier

Trade name: LHHT 265

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 MAINTENANCE PRODUCTS

Address: P.O. Box 2350

Zip code: 3430 DT

City: Nieuwegein

Country: NETHERLANDS

E-mail: sebastien.david@skf.com

Phone: +31 306307200

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: Aquatic Chronic 3;H412

Most serious harmful effects: Harmful to aquatic life with long lasting effects. May cause slight irritation to the skin and eyes. The product contains a substance which is a suspected reproductive hazard.

2.2. Label elements

H-phrases

H412 Harmful to aquatic life with long lasting effects.

P-phrases

P273 Avoid release to the environment.

2.3. Other hazards

The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	01-2119480426-35	1 -< 2.5%		Repr. 2;H361d Aquatic Chronic 4;H413
Phenol, isopropylated, phosphate (3:1)	68937-41-7	273-066-3	01-2119535109-41	0.25 -< 1%	**	Repr. 2;H361 STOT RE 2;H373 Aquatic Chronic 1;H410

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

** = M-Chronic = 1

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. The product contains at least one substance which is a suspected reproductive hazard.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms. No special immediate treatment required.

SECTION 5: Fire-fighting 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/ Phosphorous oxides/ Sulphur oxides.

5.3. Advice for fire-fighters

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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 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

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. Do not expose to heat (e.g. sunlight). Store in a dry, cool, well-ventilated area.

7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit: Contains no substances subject to reporting requirements

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

Legal basis: EH40/2005 Workplace exposure limits. Last amended August 2018.

PNEC

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC sediment (freshwater)	2250 mg/kg			

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PNEC sediment (marine water)	225 mg/kg			
PNEC STP (wastewater-treatment facilities)	32 mg/l			
PNEC soil	9,47 mg/kg dw			
PNEC oral (foodstuffs)	1000 mg/kg			
Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC aqua (freshwater)	0 mg/l			
PNEC aqua (intermittent releases)	0,015 mg/l			
PNEC aqua (marine water)	0 mg/l			
PNEC STP (wastewater-treatment facilities)	100 mg/kg			
PNEC sediment (freshwater)	0,185 mg/kg dw			
PNEC sediment (marine water)	0,018 mg/kg dw			
PNEC soil	2,5 mg/kg dw			
PNEC oral (foodstuffs)	1,85 mg/kg			

DNEL - workers

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	1,76 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	0,5 mg/kg bw/day				
Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Inhalation DNEL (long-term exposure - systemic effects)	0,145 mg/m ³				
Inhalation DNEL (acute/short-term exposure - systemic effects)	700 mg/m ³				
Dermal DNEL (long-term exposure - systemic effects)	0,416 mg/m ³				
Dermal DNEL (acute/short-term exposure - systemic effects)	2000 mg/kg				
Dermal DNEL (acute/short-term exposure - local effects)	16 mg/cm ²				

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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. Eye protection must conform to EN 166.
Personal protective equipment, hand protection:	In the event of direct skin contact, wear protective gloves: Type of material: Nitrile rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.
Personal protective equipment, respiratory protection:	Not required. In case of spraying/formation of spraying mists: Wear respiratory protective equipment. Filter type: A P. Respiratory protection must conform to one of the following standards: EN 136/140/145.
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	Yellow
Odour	Characteristic
Solubility	Not miscible with the following: Water.
Explosive properties	Non-explosive
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	No data	
Flash Point	≥ 260 °C	(open cup) ISO 2592
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	No data	
Vapour pressure	< 0.001 hPa	(20 °C)
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

9.2 Other information

Parameter	Value/unit	Remarks

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Kinematic viscosity	260 mm ² /s	(40 °C)
Density	0,92 g/cm ³	(20 °C)

SECTION 10: Stability and reactivity

10.1. Reactivity

No known data.

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

None known.

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/ Phosphorous oxides/ Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg		EC Directive 92/69/EEC B.1	

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/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

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000mg/kg		OECD 402	

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 10000mg/kg			

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

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Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50 (dust/mist)	1 h	> 200mg/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

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit		72 h		Non-irritating		

May cause slight irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Serious eye damage/eye irritation

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Non-irritating		

Temporary irritation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Respiratory sensitisation or skin sensitisation

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea pig	Maximisation Test			Non-sensitising		

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse				Non-sensitising	OECD 429	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Germ cell mutagenicity

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
In vitro tests. Chinese hamster fibroblasts	Chromosome aberration test in vitro			No indications.		

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Carcinogenic properties:

The product does not have to be classified. Test data are not available.

Reproductive toxicity

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source

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Rat	NOAEL (oral)		150 mg/kg bw/day	No indications.	OECD 414	
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Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
				Indications found.		

The product contains at least one substance which is a suspected reproductive hazard. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Single STOT exposure: The product does not have to be classified. Test data are not available.

Repeated STOT exposure

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	NOAEL (oral)	28 d	50 mg/kg		OECD 407	

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

Aspiration hazard: The product does not have to be classified. Test data are not available.

Other toxicological effects: None known.

SECTION 12: Ecological information

12.1. Toxicity

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Crustacea	Daphnia magna	48 h	48hEC50	> 100mg/l		OECD 202	
Algae	Desmodesmus subspicatus	72 h	72hEC50	> 100mg/l		OECD 201	
Algae	Desmodesmus subspicatus	72 h	72hNOEC	> 100mg/l		OECD 201	
Fish	Danio rerio	96 h	96hLC50	> 100mg/l		OECD 203	
Crustacea	Daphnia magna	21 d	21dNOEC	> 5.5mg/l		OECD 211	

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Oncorhynchus mykiss	96 h	96hLC50	1.6 mg/l			
Crustacea	Daphnia magna	48 h	48hEC50	2.44 mg/l			
Algae	Pseudokirchneriella subcapitata	96 h	96hEC50	> 2.5mg/l		OECD 201	
Fish	Pimephales promelas	33 d	33dNOEC	0.0031 mg/l		OECD 210	
Crustacea	Daphnia magna	21 d	21dNOEC	0.0415 mg/l		OECD 211	

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Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		0 %	Not readily biodegradable.	OECD 301 D	

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
		28 d		17.9 %	Not readily biodegradable.	OECD 301 D	

The product contains at least one substance that is not biodegradable.

12.3. Bioaccumulative potential

reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives, cas-no 192268-65-8

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			BCF	> 500			
			Log Pow	4.8 - 7.0		OECD 117	

Phenol, isopropylated, phosphate (3:1), cas-no 68937-41-7

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
			Log Pow	4.92 - 5.17			

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. Other adverse effects

Forms an oil film on water surfaces that may harm aquatic organisms and may disturb the transport of oxygen at the air-water interface.

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 meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. 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 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

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SECTION 14: Transport information

14.1. UN-No.:	Not applicable.	14.4. Packing group:	Not applicable.
14.2. UN proper shipping name:	Not applicable.	14.5. Environmental hazards:	Not applicable.
14.3. Transport hazard class(es):	Not applicable.		

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable.

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

Other Information: Chemical safety assessment has not been performed.

SECTION 16: Other information

Version history and indication of changes

Version	Revision date	Responsible	Changes
1.0.0	21/03/2019	Bureau Veritas HSE/ SRU	1-16

Abbreviations:

- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: Very Persistent and Very Bioaccumulative
- STOT: Specific Target Organ Toxicity
- DNEL: Derived No Effect Level
- PNEC: Predicted No Effect Concentration

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 1907/2006/EC (REACH) 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

H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

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H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Document language: GB