Safety data sheet

Revision: 15-03-2018
Replaces: 03-01-2017
Version: 03.01/GBR

SECTION 1: Identification of the substance/mixture 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: SKF MAINTENANCE PRODUCTS
Postbus 1008
NL-3430 BA Nieuwegein
The Netherlands
Tel: +31 30 6307200
Email: sebastien.david@skf.com
WWW: www.skf.com

1.4. Emergency telephone number
0870 600 6266 (UK only) Only available to health professionals.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP-classification (Regulation (EC) No 1272/2008):
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: Harmful to aquatic life with long lasting effects.(H412)
P-phrases: Avoid release to the environment.(P273)

2.3. Other hazards
The product does not contain any PBT or vPvB substances.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

<table>
<thead>
<tr>
<th>Registration number</th>
<th>CAS/ EC Number</th>
<th>Substance</th>
<th>CLP-classification (Regulation (EC) No 1272/2008) w/w%</th>
<th>Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-2119480426-35</td>
<td>192268-65-8</td>
<td>reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives</td>
<td>Aquatic Chronic 4;H413</td>
<td>&lt;2,5</td>
</tr>
<tr>
<td></td>
<td>B 421-820-9</td>
<td>Phenol, isopropylated, phosphate</td>
<td>Repr. 2;H361 STOT RE 2;H373 Aquatic Chronic</td>
<td>&lt;1</td>
</tr>
<tr>
<td>01-2119535109-41</td>
<td>68937-41-7</td>
<td></td>
<td>1;H410</td>
<td>.</td>
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<tr>
<td></td>
<td>D 273-066-3</td>
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<td>.</td>
<td>.</td>
</tr>
</tbody>
</table>
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 discomfort.
Skin: Remove contaminated clothing. Wash skin with soap and water. Seek medical advice in case of persistent discomfort.
Eyes: Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Other information: 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. The product contains a substance which is a suspected reproductive hazard.

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/ Sulphur oxides/ Phosphorous oxides.

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.

SECTION 6: Accidental release measures
6.1. Personal precautions, protective equipment and emergency procedures
For non-emergency personnel: 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
The product should be used under well-ventilated conditions and preferably under process ventilation. 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.

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

Other information: Any letters after the CAS number refer to individual data sets.
7.3. Specific end use(s)

None.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters


Contains no substances subject to reporting requirements.

DNEL values:

192268-65-8-B:

Workers:
Inhalation DNEL (long-term exposure - systemic effects), 0.59 mg/m³,
Dermal DNEL (long-term exposure - systemic effects), 0.17 mg/kg bw/day,

68937-41-7-D:

Workers:
Inhalation DNEL (long-term exposure - systemic effects), 0.145 mg/m³,
Dermal DNEL (long-term exposure - systemic effects), 0.416 mg/kg bw/day,
Dermal DNEL (acute/short-term exposure - local effects), 16 mg/cm²,

PNEC values:

192268-65-8-B:
PNEC sediment (freshwater) 2250 mg/kg,
PNEC sediment (marine water) 225 mg/kg,
PNEC STP (wastewater-treatment facilities) 32 mg/l,

68937-41-7-D:
PNEC aqua (freshwater) 0.29 µg/l,
PNEC aqua (marine water) 0.029 µg/l,
PNEC aqua (intermittent releases) 0.29 µg/l,
PNEC sediment (freshwater) 112 mg/kg,
PNEC sediment (marine water) 0.0168 mg/kg,
PNEC soil 0.1 mg/kg,
PNEC STP (wastewater-treatment facilities) 100 mg/kg,
PNEC oral (foodstuffs) 0.83 mg/kg,

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, skin 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 risk of formation of spray mist, wear respiratory protective equipment with AP2 filter. 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

State: Liquid
Colour: Yellow
Odour: Characteristic
Odour threshold: No data
pH (solution for use): No data
pH (concentrate): No data
Melting point/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
Upper/lower flammability limits: No data
Upper/lower explosive limits: No data
Vapour pressure: < 0.001 hPa, 20 °C
Vapour density: No data
Relative density: 0.92 g/cm3 20 °C
Solubility: Insoluble in the following: Water.
Partition coefficient n-octanol/water: No data
Auto-ignition temperature: No data
Decomposition temperature: No data
Viscosity: 260 mm²/s, 40 °C
Explosive properties: Non-explosive
Oxidising properties: No data

9.2. Other information
None.

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
None known.

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/ Sulphur oxides/ Phosphorous oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Ingestion of large quantities may cause discomfort.

192268-65-8-B: Rat: LD50 = >2000 mg/kg
68937-41-7-D: Rat: LD50 = >20000 mg/kg

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

192268-65-8-B: Rat: LD50 = >2000 mg/kg (OECD 402)
68937-41-7-D: Rabbit: LD50 = >10000 mg/kg

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

68937-41-7-D: Rat, 1h: LC50 = >200 mg/l

Skin corrosion/irritation: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met. Degreases the skin. Long-term exposure may cause irritation and possible infection.

192268-65-8-B: Rabbit, : Non-irritating
68937-41-7-D: Rabbit, : Non-irritating

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

192268-65-8-B: Rabbit, : Non-irritating:
68937-41-7-D: Rabbit, : Non-irritating:
Respiratory sensitisation or skin sensitisation: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
192268-65-8-B: Guinea pig, : Non-sensitising
68937-41-7-D: Mouse, : Non-sensitising

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

Single STOT exposure: The product does not have to be classified. Test data are not available. Inhalation of vapours/spray mist may cause irritation to the upper airways.

Repeated STOT exposure: The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.
192268-65-8-B: Rat, 50mg/kg, 28d: (NOAEL)

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

Harmful to aquatic life with long lasting effects.

Acute toxicity:
192268-65-8-B:
Fish: Brachydanio rerio: 96hLC50 = >100 mg/l
Crustacea: Daphnia magna: 48hEC50 = >100 mg/l
Algae: Desmodesmus subspicatus: 72hEC50 = >100 mg/l
68937-41-7-D:
Fish: Oncorhynchus mykiss: 96hLC50 = 1,6 mg/l
Crustacea: Daphnia magna: 48hEC50 = 2,44 mg/l
Algae: Pseudokirchneriella subcapitata: 96hEC50 = >2,5 mg/l

Chronic toxicity:
192268-65-8-B:
Crustacea: Daphnia magna: 21dNOEC = 5,5 mg/l
68937-41-7-D:
Fish: Pimephales promelas: 33dNOEC = 0,0031 mg/l
Crustacea: Daphnia magna: 21dNOEC = 0,0415 mg/l

12.2. Persistence and degradability

The product contains at least one substance that is not biodegradable.
192268-65-8-B: Not readily biodegradable.
68937-41-7-D: Readily biodegradable.

12.3. Bioaccumulative potential

The product is potentially bioaccumulative.
192268-65-8-B: BCF: >500
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.

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

Uncleansed packaging is to be disposed of via the local waste-removal scheme. Empty, cleansed packaging should be disposed of for recycling.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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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

Chemical safety assessment has not been performed.

SECTION 16: Other information

Changes have been made in the following sections: 3,4,8,11,12,13,16

Abbreviation explanations: DNEL: Derived No Effect Level
Classification method: Calculation based on the hazards of the known components.

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

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

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.