Safety data sheet

Issue date: 22-10-2012
Version: 01.00/UK

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

1.3. Details of the supplier of the safety data sheet
Supplier: SKF MAINTENANCE PRODUCTS
Postboks 1008
NL-3430 Nieuwegein
The Netherlands
Tel: +31 30 6307200
Fax: +31 30 6307205
Email: sebastien.david@skf.com
Contact person: Sébastien David

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
DPD-classification (Directive 1999/45/EC):

The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

Most serious harmful effects:
May cause eye irritation. Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

2.2. Label elements
Hazard designation:
The product shall not be classified as hazardous according to the classification and labelling rules for substances and mixtures.

2.3. Other hazards
Assessment to determine PBT and vPvB has not been made.

SECTION 3: Composition/information on ingredients
3.2. Mixtures

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**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. Do not induce vomiting. Seek medical advice in case of discomfort.

**Skin:** Remove contaminated clothing, watch and jewellery. 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**

Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. May cause eye irritation. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

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

Treat symptoms. No special immediate treatment required.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Suitable extinguishing media: Extinguish with powder, foam, carbon dioxide 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: Fluorine compounds, 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. Smoking and naked flames prohibited. Wear gloves. In case of insufficient ventilation, wear respiratory protective equipment. Wear safety goggles if there is a risk of eye splash.

For emergency responders: In addition to the above: No special requirements. 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
Avoid contact with skin and eyes. See section 8 for type of protective equipment. 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
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Store in a dry, cool, well-ventilated area. Do not expose to heat (e.g. sunlight). Keep in tightly closed original packaging. Do not store with the following: Oxidisers.

7.3. Specific end use(s)
None.

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Contains no substances subject to reporting requirements.

8.2. Exposure controls
Appropriate engineering controls: Wear the personal protective equipment specified below. See also section 7.1.
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: In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A/ P2. 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: Oily Liquid
Colour: White
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: > 70 °C
Evaporation rate: No data
Flammability (solid, gas): No data
Upper/lower flammability limits: No data
Upper/lower explosive limits: 0.5 - 6 vol %
Vapour pressure: No data
Vapour density: Relative density, vapour: < 1 (air=1) (20 °C, 1013 hPa)
Relative density: 0.843
Solubility: Insoluble in the following: Water.
Partition coefficient n-octanol/water: No data
Auto-ignition temperature: > 200 °C
Decomposition temperature: No data
Viscosity: 10 mm²/s (40 °C)
Explosive properties: No data
Oxidising properties: No data
SECTION 10: Stability and reactivity

10.1. Reactivity
Reacts with the following: Oxidisers.

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
Oxidisers.

10.6. Hazardous decomposition products
The product decomposes when combusted or heated to high temperatures and the following toxic gases can be formed: Flourine compounds, carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Acute toxicity - oral:</th>
<th>Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - dermal:</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Acute toxicity - inhalation:</td>
<td>The product does not have to be classified. Test data are not available.</td>
</tr>
<tr>
<td>Skin corrosion/irritation:</td>
<td>Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. Test data are not available.</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation:</td>
<td>May cause eye irritation. The product does not have to be classified. Test data are not available.</td>
</tr>
</tbody>
</table>

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

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.

Toxicity in case of single exposure:
The product does not have to be classified. Test data are not available.

Toxicity in case of repeated or prolonged exposure:
Prolonged or repeated exposure to fluorine-containing compounds may cause fluorosis (osteoplasathyrosis). The product does not have to be classified. Test data are not available. Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

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

12.2. Persistence and degradability
12.3. Bioaccumulative potential

Not expected to be biodegradable. Test data are not available.

12.4. Mobility in soil

Bioaccumulation can be expected. Test data are not available.

12.5. Results of PBT and vPvB assessment

Test data are not available.

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): 1

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Avoid discharge to drain or surface water. 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 03 Absorbents, filter materials, wiping cloths and protective clothing other than those mentioned in 15 02 02.

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

14.1. UN number

- 

14.2. UN proper shipping name

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14.3. Transport hazard class(es)

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14.4. Packing group

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14.5. Environmental hazards

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14.6. Special precautions for user

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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
Abbreviation explanations:

- **PBT**: Persistent, Bioaccumulative and Toxic
- **vPvB**: Very Persistent and Very Bioaccumulative

R-phrases:

- R65 Harmful: May cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.

H-phrases:

- H304 May be fatal if swallowed and enters airways.

Training:

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

Other information:

This safety data sheet is in accordance with regulation 1907/2006/EC (REACH) and subsequent amendments.