

# Safety Data Sheet

## LHMT 68

Replaces date: 12/12/2017

Revision date: 22/02/2019

Version: 2.0.0

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

#### 1.1. Product identifier

Trade name: LHMT 68

#### 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: The product shall not be classified as hazardous according to the classification and labeling rules for substance 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.

EUH208 Contains Amines, C12-14-tert-alkyl. May produce an allergic reaction.

#### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

| Substance | CAS No | EC No | REACH Reg. No. | Concentration | Notes | CLP-classification |
|-----------|--------|-------|----------------|---------------|-------|--------------------|
|           |        |       |                |               |       |                    |

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|---------------------------|------------|-----------|--|---------------|--|---|
| Amines, C12-14-tert-alkyl | 68955-53-3 | 273-279-1 |  | 0.025 -< 0.1% |  | Acute Tox. 4;H302<br>Acute Tox. 3;H311<br>Skin Corr. 1B;H314<br>Skin Sens. 1A;H317<br>Acute Tox. 2;H330<br>STOT SE 3;H335<br>Aquatic Acute 1;H400<br>Aquatic Chronic 1;H410 |
|---------------------------|------------|-----------|--|---------------|--|---|

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

**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 small amounts of Amines, C12-14-tert-alkyl. Persons with a known allergy may exhibit an allergic response to the product.

#### 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. Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

#### 5.3. Advice for fire-fighters

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

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**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

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. Keep in tightly closed original packaging. 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

Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Exposure                                   | Value       | Assessment Factor | Extrapolation Method | Note |
|--|-------------|-------------------|----------------------|------|
| PNEC aqua (freshwater)                     | 0,001 mg/l  |                   |                      |      |
| PNEC aqua (marine water)                   | 0,0001 mg/l |                   |                      |      |
| PNEC aqua (intermittent releases)          | 0,004 mg/l  |                   |                      |      |
| PNEC STP (wastewater-treatment facilities) | 0,635 mg/l  |                   |                      |      |
| PNEC soil                                  | 0,428 mg/l  |                   |                      |      |

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| PNEC sediment (marine water) | 0,214 mg/l |  |  |  |
| PNEC sediment (freshwater)   | 2,14 mg/l  |  |  |  |
| PNEC oral (foodstuffs)       | 4,71 mg/l  |  |  |  |

### DNEL - workers

Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Exposure  | Value                  | Assessment Factor | Dose Descriptor | Main Impact Parameter | Note |
|---|------------------------|-------------------|-----------------|-----------------------|------|
| Inhalation DNEL (long-term exposure - systemic effects) | 12,5 mg/m <sup>3</sup> |                   |                 |                       |      |
| Inhalation DNEL (long-term exposure - local effects)    | 12,1 mg/m <sup>3</sup> |                   |                 |                       |      |

### 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:**

Plastic or rubber gloves recommended.

**Personal protective equipment, respiratory protection:**

Not required.

In case of risk of formation of spray mist, wear respiratory protective equipment with P2 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

| Parameter            | Value/unit                         |
|----------------------|------------------------------------|
| State                | Liquid                             |
| Colour               | Yellow                             |
| Odour                | Characteristic                     |
| Solubility           | Insoluble in 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                             | ≥ 200 °C   | ISO 2592 (open cup) |
| Evaporation rate                        | No data    |                     |

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|                                       |             |         |
|---------------------------------------|-------------|---------|
| 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 |
|---------------------|------------------------|---------|
| Kinematic viscosity | 68 mm <sup>2</sup> /s  | (40 °C) |
| Density             | 0,88 g/cm <sup>3</sup> | (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

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

#### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type | Exposure time | Value    | Conclusion | Test method | Source |
|----------|-----------|---------------|----------|------------|-------------|--------|
| Rat      | LD50      |               | 612mg/kg |            | OECD 401    |        |

Ingestion of large quantities 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.

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#### Acute toxicity - dermal

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type | Exposure time | Value    | Conclusion | Test method | Source |
|----------|-----------|---------------|----------|------------|-------------|--------|
| Rat      | LD50      |               | 251mg/kg |            | 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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type     | Exposure time | Value    | Conclusion | Test method | Source |
|----------|---------------|---------------|----------|------------|-------------|--------|
| Rat      | LC50 (vapour) | 4 h           | 1.19mg/l |            | OECD 403    |        |

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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------|------------|-------------|--------|
|          |           |               |       | Corrosive  |             |        |

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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type | Exposure time | Value | Conclusion | Test method | Source |
|----------|-----------|---------------|-------|------------|-------------|--------|
| Rabbit   |           |               |       | Corrosive  | OECD 405    |        |

May cause eye 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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism   | Test Type | Exposure time | Value | Conclusion  | Test method | Source |
|------------|-----------|---------------|-------|-------------|-------------|--------|
| Guinea pig |           |               |       | Sensitising | OECD 406    |        |

The product contains small amounts of Amines, C12-14-tert-alkyl. Persons with a known allergy may exhibit an allergic response to the product. 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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism                    | Test Type                           | Exposure time | Value | Conclusion | Test method | Source |
|-----------------------------|-------------------------------------|---------------|-------|------------|-------------|--------|
| Chinese hamster ovary cells |                                     |               |       | Negative   | OECD 476    |        |
| Salmonella typhimurium      | Ames test                           |               |       | Negative   | OECD 471    |        |
| Mouse                       | Chromosome aberration test in vitro |               |       | Negative   | OECD 474    |        |

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

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

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| Organism | Test Type | Exposure time | Value | Conclusion                               | Test method | Source |
|----------|-----------|---------------|-------|--|-------------|--------|
| Rat      |           |               |       | Impairment of fertility: No indications. | OECD 414    |        |

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. Inhalation of spray mist may cause irritation to the upper airways.

#### Repeated STOT exposure

##### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Test Type      | Exposure time | Value   | Conclusion | Test method | Source |
|----------|----------------|---------------|---------|------------|-------------|--------|
| Rat      | NOAEL (Vapour) |               | 19mg/kg |            | OECD 412    |        |
| Rat      | NOAEL (dermal) |               | 20mg/kg |            | OECD 410    |        |

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

#### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism  | Species                   | Exposure time | Test Type | Value     | Conclusion | Test method | Source |
|-----------|---------------------------|---------------|-----------|-----------|------------|-------------|--------|
| Fish      | Oncorhynchus mykiss       |               | 96hLC50   | 1.3mg/l   |            | OECD 203    |        |
| Crustacea | Daphnia magna             |               | 48hEC50   | 4.1mg/l   |            | OECD 202    |        |
| Algae     | Selenastrum capricornutum |               | 72hEC50   | 0.44mg/l  |            | OECD 201    |        |
| Fish      | Oncorhynchus mykiss       | 96 d          | NOEC      | 0.078mg/l |            | OECD 210    |        |

The product contains small quantities of environmentally hazardous substances. 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

#### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Species | Exposure time | Test Type | Value | Conclusion                 | Test method | Source |
|----------|---------|---------------|-----------|-------|----------------------------|-------------|--------|
|          |         | 28 d          |           | 3%    | Not readily biodegradable. | OECD 301 D  |        |

Not expected to be biodegradable.

### 12.3. Bioaccumulative potential

#### Amines, C12-14-tert-alkyl, cas-no 68955-53-3

| Organism | Species | Exposure time | Test Type | Value | Conclusion | Test method | Source |
|----------|---------|---------------|-----------|-------|------------|-------------|--------|
|          |         |               | Log Pow   | 2.9   |            |             |        |

No bioaccumulation expected.

### 12.4. Mobility in soil

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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

Oil products may cause soil and water pollution.

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 16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

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

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



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| 1.0.0 | 12/12/2017 | Bureau Veritas HSE/ HSV |      |
| 2.0.0 | 22/02/2019 | 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**

- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H330 Fatal if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

**Document language:** GB