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1. IDENTIFICATION OF SUBSTANCE AND COMPANY

TRADE NAME LHHT 265/0.4
APPLICATION SKF oil
Producer/importer SKF Maintenance Products
Address Postbus 1008
Postal code NL-3430 BA Nieuwegein
Country The Netherlands
Telephone +31 30 6307200
Fax +31 30 6307205
Contact pers. Ebbe Malmstedt, ebbe.malmstedt@skf.com

2. COMPOSITION/INFORMATION ON INGREDIENTS **Chemical characterization****· Description:**

Active substance with propellant

· Dangerous components:

| | | | |
|-------------------|---|------------|---------|
| CAS: 106-97-8 | butane | F+; R 12 | 10-25% |
| EINECS: 203-448-7 | | | |
| CAS: 74-98-6 | propane | F+; R 12 | 10-25% |
| EINECS: 200-827-9 | | | |
| CAS: 126019-82-7 | Tris[2(or 4)-branched alkyl(C=9-10)phenyl] phosphorothioate | N; R 51/53 | < 2.5% |
| ELINCS: 406-940-1 | | | |
| CAS: 115-86-6 | triphenyl phosphate | N; R 50/53 | < 0.25% |
| EINECS: 204-112-2 | | | |

· Additional information: For the wording of the listed risk phrases refer to section 16.**3. HAZARDS IDENTIFICATION** **· Hazard description:**

F+ Extremely flammable

· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

R 12 Extremely flammable.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Buildup of explosive mixtures possible without sufficient ventilation.

· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. FIRST AID MEASURES

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash off with soap and plenty of water.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

5. FIRE-FIGHTING MEASURES **· Suitable extinguishing agents:**

Water haze
 Fire-extinguishing powder
 Carbon dioxide
 Alcohol resistant foam

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- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Protective equipment:** Mount respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Ensure adequate ventilation.

7. HANDLING AND STORAGE

Handling:

- **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

- **Information about fire - and explosion protection:**

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

Storage:

- **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

- **Information about storage in one common storage facility:**

Not required.

- **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

106-97-8 butane

OES Short-term value: 1810 mg/m³, 750 ppm

Long-term value: 1450 mg/m³, 600 ppm

74-98-6 propane

OES Long-term value: 1800 mg/m³, 1000 ppm, Asphyxiant

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

- **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure, use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Tightly sealed goggles

- **Body protection:** Use protective suit.



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9. PHYSICAL AND CHEMICAL PROPERTIES **General Information**

Form: Aerosol
Colour: According to product specification
Odour: Characteristic

Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: -44°C

Flash point: -97°C

Ignition temperature: 365.0°C

Self-igniting: Product is not selfigniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

Explosion limits:

Lower: 1.5 Vol %
Upper: 10.9 Vol %

Vapour pressure at 20°C: 8300.0 hPa

Density at 20°C: 0.72 g/cm³

Solubility in / Miscibility with water: Not miscible or difficult to mix.

Organic solvents: 40.0 %

Solids content: 0.2 %

10. STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. TOXICOLOGICAL INFORMATION **Acute toxicity:****Primary irritant effect:**

on the skin: No irritant effect.

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

12. ECOLOGICAL INFORMATION **Ecotoxicical effects:**

Remark: Harmful to fish

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Harmful to aquatic organisms

13. DISPOSAL CONSIDERATIONS **Product:****Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

Land transport ADR/RID (cross-border)

ADR/RID class: 2 5F Gases.

Danger code (Kemler): 23

UN-Number: 1950

Packaging group: -

Hazard label 2.1

Description of goods: 1950 AEROSOLS



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- **Maritime transport IMDG:**
- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

15. REGULATORY INFORMATION

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

- **Code letter and hazard designation of product:**



F+ Extremely flammable

- **Risk phrases:**
12 Extremely flammable.
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe fumes/aerosol.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

- **Special labelling of certain preparations:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Buildup of explosive mixtures possible without sufficient ventilation.

National regulations:

- **Technical instructions (air):**

| Class | Share in % |
|-------|------------|
| I | 0,1-1,0 |
| NK | 25-50 |

- **Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

- **VOC-CH** 40.00 %
- **VOC-EU** 288.4 g/l
- **Danish MAL Code** 2-6

16. OTHER INFORMATION **VENDOR NOTES**

The information on this data sheet represents our current data and is accurate to the best of our knowledge as to the proper handling of this product under normal conditions and in accordance with the application specified on the packaging and/or technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Relevant R-phrases

- 12 Extremely flammable.
- 25 Toxic if swallowed.
- 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

TRAINING ADVICE

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.