

**SAFETY DATA SHEET****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****1.1 Identification of the article****Product name**

Teboil Hydraulic Eco 15, 32, 46, 68

**1.2 Manufacturer, importer, supplier****1.2.1 Supplier**

Oy Teboil Ab

**1.2.2 Street address**

Bulevardi 26

**Postcode and post office**

FIN-00120 HELSINKI

**Post-office box**

P.O.B. 102

**Postcode and post office**

FIN-00121 HELSINKI, FINLAND

**Telephone**

ext.+358 2047001

**Telefax**

ext.+358 204700248

**1.2.3 Name and address of the informant in emergency cases**

HUCH / Poison Information Centre

Haartmaninkatu 4, FIN-00029 HYKS, FINLAND

**Emergency telephone number**

+358-9-4711

**2. COMPOSITION/INFORMATION ON INGREDIENTS****2.1 Chemical characterisation**

A mixture of synthetic esters and additives.

**2.2 Hazardous components**

<b>2.2.1 CAS-No.</b>	<b>2.2.2 Chemical name of the substance</b>	<b>2.2.3 Weight %</b>	<b>2.2.4 Classification</b>
103-23-1	Synthetic ester	>98%	-

**3. HAZARDS IDENTIFICATION**

HUMAN: Long term or repeated skin contact may cause irritation.

**4. FIRST AID MEASURES****4.1 General advice**

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**4.2 Inhalation**

Move to fresh air in case of accidental inhalation of vapours or mists.

If symptoms persists, call a physician.

**4.3 Skin contact**

Wash off immediately with soap and plenty of water and remove contaminated clothing.

**4.4 Eye contact**

Rinse with plenty of water. If eye irritation persists, call a physician.

**4.5 Ingestion**

DO NOT INDUCE VOMITING. Rinse mouth and call a physician.

Aspiration into the lungs may cause pulmonary injury.

## 5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**  
Foam and dry powder.
- 5.2 Extinguishing media which must not be used for safety reasons**  
Water spray.
- 5.4 Special protective equipment for firefighters**  
In case of fire inside, use self-contained breathing apparatus.

## 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions**  
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- 6.2 Environmental precautions**  
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## 7. HANDLING AND STORAGE

- 7.1 Handling**  
When handling drums use special safety shoes.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Engineering measures**  
Use local exhaust ventilation to control mists or vapours.
- 8.2 National occupational exposure limits**
- 8.2.1 National occupational exposure limits**
- |                                       |                           |   |
|---------------------------------------|---------------------------|---|
| <b>Chemical name of the substance</b> | Oil mist                  | . |
|                                       | 5 mg/m <sup>3</sup> (8 h) | . |
- 8.3 Personal protective equipment**
- 8.3.1 Hygiene measures**  
Wash hands before eating, drinking or smoking.
- 8.3.2 Respiratory protection**  
When exposed to vapours, use approved supplied-air respirator (filter A2/P2).
- 8.3.3 Hand protection**  
Use nitrile or neoprene gloves.
- 8.3.4 Eye protection**  
Chemical goggles or face shield, if needed.
- 8.3.5 Skin and body protection**  
Protective clothing is recommended if skin contact or contamination of clothing is likely.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Form, Colour, Odour** Yellowbrown liquid.
- 9.3 Information on changes in the physical state**
- 9.3.1 Boiling point/range** > 350 °C
- 9.4 Flash point** > 100 °C
- 9.6 Autoignition temperature** > 250 °C
- 9.10 Vapour pressure** < 1 Pa (20 °C)
- 9.11 Relative density** 920-940 kg/m<sup>3</sup>
- 9.12 Solubility**
- |                    |           |
|--------------------|-----------|
| - water solubility | insoluble |
| - fat solubility   | -         |

Product name: **Teboil Hydraulic Eco 15, 32, 46, 68**

Date 16.04.1997

Previous date 01.06.1994

3/3

**9.14 Viscosity** 15-46 cSt/40°C

## **10. STABILITY AND REACTIVITY**

**10.3 Hazardous decomposition products**

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## **11. TOXICOLOGICAL INFORMATION**

**11.1 Acute toxicity**

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**11.2 Primary irritation**

May cause mild respiratory, dermal or eye irritation.

**11.3 Sensitisation**

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**11.5 Human experience**

Long term and/or repeated skin contact may cause skin inflammation.

Used lubricants may contain impurities, which may cause hazards to human health or to environment when disposing of the waste oil.

All used oils should be handled carefully avoiding skin contact.

## **12. ECOLOGICAL INFORMATION**

**12.1 Persistence and degradability**

**12.1.1 Biological degradability**

Inherently biodegradable.

**12.2 Bioaccumulation**

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**12.3 Mobility**

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**12.4 Ecotoxicity effects**

**12.4.1 Aquatic toxicity**

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## **13. DISPOSAL CONSIDERATIONS**

Dispose of in a safe manner in accordance with local and national regulations.

## **14. TRANSPORT INFORMATION**

**14.3 Land transport**

**14.3.1 Class** Not classified

**14.4 Sea transport**

**14.4.1 Class** Not classified

**14.5 Air transport**

**14.5.1 ICAO** Not classified

## **15. REGULATORY INFORMATION**

## **16. OTHER INFORMATION**

**16.1 Recommended use**

**16.1.1 Expressed in writing**

Voiteluaine.

**16.3 Further information**

This information has to be available for all those, who work with this product. This MSDS is based on the present knowledge and it is meant to answer questions about product's influence on health, safety and

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4/4

environment.