

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

Teboil Fluid TO-4 10W, 30, 50

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 highly refined mineral base oils and additives.

2.2 Hazardous components

2.2.1 CAS-No.	2.2.2 Chemical name of the substance	2.2.3 Weight %	2.2.4 Classification
74869-22-0	Lubricating oil	>80%	-

3. HAZARDS IDENTIFICATION

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

ENVIRONMENTAL: Large spills may cause pollution of ground water.

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 persist, 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.

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Aspiration into the lungs may cause fatal chemical pneumonitis.

5. FIRE-FIGHTING MEASURES

- 5.1 Suitable extinguishing media**
Foam or 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**
Prevent spills entering soil, sewers or waterways by damming with sand or by soaking the spill up with oil absorbent material. Contact local authorities.
- 6.3 Methods for cleaning up**
Clean up promptly and dispose of waste product in accordance with local and national regulations.

7. HANDLING AND STORAGE

- 7.1 Handling**
When handling drums use special safety shoes.
- 7.2 Storage**
Storage temperature: 0°C - +50°C

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 Engineering measures**
Use local exhaust ventilation to control mists or vapours. Repeated skin contact should be avoided.
- 8.2 National occupational exposure limits**
- 8.2.1 National occupational exposure limits**
- | | | |
|---------------------------------------|---------------------------|---|
| Chemical name of the substance | Oil mist | . |
| | 5 mg/m ³ (8 h) | . |
- 8.3 Personal protective equipment**
- 8.3.1 Hygiene measures**
Wash hands before eating, drinking, smoking or toilet.
- 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** > 280 °C
- 9.4 Flash point** > 100 °C

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9.6	Autoignition temperature	> 250 °C
9.10	Vapour pressure	< 1 Pa (20 °C)
9.11	Relative density	880-885 kg/m ³
9.12	Solubility	
	- water solubility	insoluble
	- fat solubility	-
9.13	Partition coefficient (n-octanol/water)	
	log K _{ow} >3.	
9.14	Viscosity	42, 85, 185 cSt/40°C respectively

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 or dermal irritation.

11.3 **Sensitisation**

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11.5 **Human experience**

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

11.6 **Further information**

Used lubricants may contain impurities, which may cause hazards to human health or to the 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**

Not readily biodegradable.

12.1.2 **Chemical degradation**

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12.2 **Bioaccumulation**

No data.

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**

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14.4.1 Class

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15. REGULATORY INFORMATION

16. OTHER INFORMATION

16.1 Recommended use

16.1.1 Expressed in writing

Lubricant.

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 the questions about the product's influence on health, safety and environment.