



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH) and Regulation (EU) No. 2015/830

## Eni OSO 10

Material number 621

Revision date: 2/6/2021  
Version: 1.0  
Language: en-GB,IE  
Date of print: 22/6/2021

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

### 1.1 Product identifier

Trade name: Eni OSO 10

UFI: FNYH-R5G8-C00M-WJ1E

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Hydraulic oil.

### 1.3 Details of the supplier of the safety data sheet

Company name: Eni Schmiertechnik GmbH

Street/POB-No.: Paradiesstraße 14

Postal Code, city: 97080 Würzburg

Germany

WWW: [www.enischmiertechnik.de](http://www.enischmiertechnik.de)

E-mail: [info.wuerzburg@eni.com](mailto:info.wuerzburg@eni.com)

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Abteilung Anwendungstechnik

Telephone: +49 (0)931-90098-0

E-mail: [technik.wuerzburg@eni.com](mailto:technik.wuerzburg@eni.com)

### 1.4 Emergency telephone number

GIZ-Nord, Göttingen

Telephone: +49 (0)551-19240

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Asp. Tox. 1; H304 May be fatal if swallowed and enters airways.

### 2.2 Label elements

#### Labelling (CLP)



Signal word: **Danger**

Hazard statements: H304

May be fatal if swallowed and enters airways.

Precautionary statements: P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P301+P310

IF SWALLOWED: Immediately call a POISON CENTER/doctor.

P331

Do NOT induce vomiting.

P405

Store locked up.

P501

Dispose of contents/container to hazardous or special waste collection point.



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### Special labelling

Text for labelling:

Contains:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics  
Distillates (petroleum), hydrotreated light paraffinic

### 2.3 Other hazards

Special danger of slipping by leaking/spilling product. Forms a thin oil film on water surfaces.

Results of PBT and vPvB assessment:

No data available

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: A mixture of mineral oil and additive.

Hazardous ingredients:

Ingredient	Designation	Content	Classification
REACH 01-2119487077-29-xxxx EC No. 265-158-7 CAS 64742-55-8	Distillates (petroleum), hydrotreated light paraffinic	>= 50 %	Asp. Tox. 1; H304.
REACH 01-2119490822-33-xxxx EC No. 204-884-0 CAS 128-39-2	2,6-di-tert-butylphenol	< 0.25 %	Skin Irrit. 2; H315. Aquatic Acute 1; H400 (M-factor = 1). Aquatic Chronic 1; H410 (M-factor = 1).
REACH 01-2119453414-43-xxxx list no. 920-107-4 CAS 64742-47-8	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	< 0.1 %	Asp. Tox. 1; H304.

Full text of H- and EUH-statements: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General information:	If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.
In case of inhalation:	Move victim to fresh air. In the event of discomfort seek medical treatment.
Following skin contact:	Immediately clean with water and soap followed by thorough rinsing. In case of skin reactions, consult a physician.
After eye contact:	Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.
After swallowing:	Rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.



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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, extinguishing powder, alcohol resistant foam and carbon dioxide.

Extinguishing media which must not be used for safety reasons:

Full water jet

### 5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.

Furthermore, there may develop: Pyrolysis products, Hydrogen sulphide, Nitrogen oxides (NO<sub>x</sub>), Phosphorus oxides, carbon monoxide and carbon dioxide.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Hazchem-Code: -

Move undamaged containers from immediate hazard area if it can be done safely. Cool endangered containers with water jetspray.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing mist/vapours/spray. Provide adequate ventilation. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.

### 6.2 Environmental precautions

Do not release large quantities into the surface water or into drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

### 6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Never return spills in original containers for re-use.

Additional information:

Special danger of slipping by leaking/spilling product.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling:

Provide adequate ventilation, and local exhaust as needed. Avoid breathing mist/vapours/spray. Wear appropriate protective equipment.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge.



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### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place.  
Keep container dry. Keep only in the original container.  
Protect from heat and direct sunlight.  
storage temperature: < 50 °C  
Store containers in upright position.

Hints on joint storage: Keep away from food, drink and animal feedingstuffs.

### 7.3 Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
64742-47-8	Hydrocarbons, C12-C15, n-alkanes, isoalkanes < 2% aromatics	Great Britain: WEL-TWA	500 mg/m <sup>3</sup> (Aromatics)

### 8.2 Exposure controls

Provide for good ventilation or exhaust system or work with completely self-contained equipment.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: Respiratory protection must be worn whenever the WEL levels have been exceeded. Use filter type A/P2 according to EN 14387.

Hand protection: Protective gloves according to EN 374.  
Glove material: nitrile rubber  
Layer thickness: >= 0.11 mm; Breakthrough time: 30 min  
Layer thickness: >= 0.33 mm; Breakthrough time: 480 min  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Avoid breathing mist/vapours/spray. Do not get in eyes, on skin, or on clothing.  
Take off contaminated clothing and wash it before reuse.  
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.  
Have eye wash bottle or eye rinse ready at work place.

### Environmental exposure controls

Refer to "6.2 Environmental precautions".

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance: Physical state at 20 °C and 101.3 kPa: liquid  
Colour: light yellow up to brownish



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Odour:	Characteristic
Odour threshold:	No data available
pH:	Not applicable
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	> 300 °C
Flash point/flash point range:	170 °C (DIN ISO 2592)
Evaporation rate:	No data available
Flammability:	No data available
Explosion limits:	LEL (Lower Explosion Limit): 0.60 Vol-% UEL (Upper Explosive Limit): 6.50 Vol-%
Vapour pressure:	No data available
Vapour density:	No data available
Density:	at 15 °C: 0.835 g/cm <sup>3</sup> (DIN EN ISO 12185)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	at 40 °C: 9.7 mm <sup>2</sup> /s (ASTM D7279) at 100 °C: 2.7 mm <sup>2</sup> /s (ASTM D7279)
Explosive properties:	No data available
Oxidizing characteristics:	No data available

### 9.2 Other information

Additional information: Pour point: -33 °C; DIN/ISO 3016

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

Flammable mixtures may form in the air when product is heated above the flash point and/or during spraying.

### 10.4 Conditions to avoid

No data available

### 10.5 Incompatible materials

oxidizing agents

### 10.6 Hazardous decomposition products

No dangerous reactions with proper and specified storage and handling  
Thermal decomposition: No data available



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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Toxicological effects:

- Acute toxicity (oral): Based on available data, the classification criteria are not met.
- Acute toxicity (dermal): Based on available data, the classification criteria are not met.
- Acute toxicity (inhalative): Based on available data, the classification criteria are not met.
- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: Based on available data, the classification criteria are not met.
- Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.
- Skin sensitisation: Based on available data, the classification criteria are not met.
- Germ cell mutagenicity/Genotoxicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Based on available data, the classification criteria are not met.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.
- Specific target organ toxicity (repeated exposure): Based on available data, the classification criteria are not met.
- Aspiration hazard: Asp. Tox. 1; H304 = May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: No data available

### 12.2 Persistence and degradability

Further details: According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

No data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.



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### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

##### Product

Waste key number: 13 01 10\* = mineral based non-chlorinated hydraulic oils  
\* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

##### Package

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled.

### SECTION 14: Transport information

#### 14.1 UN number

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:  
Not restricted

#### 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.4 Packing group

ADR/RID, IMDG, IATA-DGR:  
not applicable

#### 14.5 Environmental hazards

Marine pollutant: no

#### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

#### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No data available

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulations - Great Britain

Hazchem-Code: -  
No data available

##### National regulations - EC member states

Further regulations, limitations and legal requirements:  
Use restriction according to REACH annex XVII, no.: 3

#### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.



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### SECTION 16: Other information

#### Further information

Wording of the H-phrases under paragraph 2 and 3:

- H304 = May be fatal if swallowed and enters airways.
- H315 = Causes skin irritation.
- H400 = Very toxic to aquatic life.
- H410 = Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms:

- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- OEL: Occupational Exposure Limit Value
- AS/NZS: Australian Standards/New Zealand Standards
- CAS: Chemical Abstracts Service
- CFR: Code of Federal Regulations
- CLP: Classification, Labelling and Packaging
- DIN: German Institute for Standardization
- DMEL: Derived minimal effect level
- DNEL: Derived no-effect level
- EC: European Community
- EN: European Standard
- EU: European Union
- IATA: International Air Transport Association
- IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
- IMDG Code: International Maritime Dangerous Goods Code
- ISO: International Organization for Standardization
- LEL: Lower Explosion Limit
- MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
- M-factor: Multiplication factor
- OECD: Organisation for Economic Co-operation and Development
- OSHA: Occupational Safety and Health Administration
- PBT: Persistent, bioaccumulative and toxic
- PNEC: Predicted no-effect concentration
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
- TLV: Threshold Limit Value
- vPvB: Very persistent and very bioaccumulative
- WEL: Workplace Exposure Limit

Date of first version: 27/5/2021

#### Department issuing data sheet

Contact person: see section 1: Department responsible for information

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:  
<http://sumdat.net/99s6mesa>

