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

## 1.1 Product identifier

Trade name: Eni PRECIS S 32

## 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: DE-97080 Würzburg
WWW: www.enischmiertechnik.de
E-mail: info.wuerzburg@eni.com
Telephone: +49 (0)931-90098-0
Telefax: +49 (0)931-98442

Department responsible for information:
Application Engineering & Product Management (AEPM)
Telephone: +49 (0)931-90098-0
E-mail: 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)**

Aquatic Chronic 3; H412 Harmful to aquatic life with long lasting effects.

## 2.2 Label elements

**Labelling (CLP)**

| | | |
|---|---|---|
| Hazard statements: | H412 | Harmful to aquatic life with long lasting effects. |
| Precautionary statements: | P273 | Avoid release to the environment. |
| | P501 | Dispose of contents/container to hazardous or special waste collection point. |

## 2.3 Other hazards

Special danger of slipping by leaking/spilling product.
Outflowing product can lead to the formation of a film on the water surface, which reduces oxygen exchange and may result in the death of organisms.

Endocrine disrupting properties, 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 additives.

Hazardous ingredients:

| Identifiers | Designation<br>Classification | Content |
|---|---|---|
| REACH 01-2119490822-33-xxxx<br>EC No. 204-884-0<br>CAS 128-39-2 | 2,6-di-tert-butylphenol<br>Skin Irrit. 2; H315. Aquatic Acute 1; H400. Aquatic Chronic 1; H410. | < 0,25 % |
| REACH 01-2119473797-19-xxxx<br>list no. 627-034-4<br>CAS 1213789-63-9 | (Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines<br>Acute Tox. 4; H302. Skin Corr. 1B; H314. Eye Dam. 1; H318.<br>STOT SE 3; H335. STOT RE 2; H373. Asp. Tox. 1; H304.<br>Aquatic Acute 1; H400. Aquatic Chronic 1; H410.<br>M-factors:<br>Aquatic Acute 1: M = 10. Aquatic Chronic 1: M = 10. | < 0,1 % |

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

# SECTION 4: First aid measures

## 4.1 Description of first aid measures

General information: Take off contaminated clothing and wash it before reuse. Do not allow to dry.
In the event of persistent symptoms seek medical treatment.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. In the events of symptoms take medical treatment.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. Consult a doctor if skin irritation persists.

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. Consult an ophthalmologist.

After swallowing: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Danger of aspiration! Do not induce vomiting. Immediately get medical attention.

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

No data available

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

Treat symptomatically.

# SECTION 5: Firefighting measures

## 5.1 Extinguishing media

Suitable extinguishing media: Water spray jet, foam, extinguishing powder, 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

Combustible.
May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Hydrogen sulphide, nitrogen oxides (NOx), phosphorus oxides, Pyrolysis products, hydrocarbons, Carbon monoxide and carbon dioxide.

## 5.3 Advice for firefighters

Special protective equipment for firefighters:
Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information: Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.
Contaminated fire-fighting water must be collected separately. Do not allow water used to extinguish fire to enter drains, ground or waterways.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## SECTION 6: Accidental release measures

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

Do not breathe mist/vapours/spray. Avoid contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Keep unprotected people away.
Wear appropriate protective equipment. Do not get in eyes, on skin, or on clothing. Take off contaminated clothing and wash it before reuse.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary notify appropriate authorities.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, universal binding agents, sawdust). Collect in appropriate containers for recovery or disposal.
Prevent spread over a wide area (e.g. by containment or oil barriers).
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. Do not breathe mist/vapours/spray.
Avoid oil mist formation.
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. Do not get in eyes, on skin, or on clothing.

Precautions against fire and explosion:
Keep away from heat. Keep away from sources of ignition - No smoking.
When handling larger quantities, take precautionary measures against electrostatic charging.

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

Requirements for storerooms and containers:
Store container tightly closed in a dry area. Keep in a cool place.
Store only in original container.
Protect from heat and direct sunlight.
Recommended storage temperature: < 50 °C.

Hints on joint storage: Do not store together with: oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids, unless storage class 3

### 7.3 Specific end use(s)

No information available.

# SECTION 8: Exposure controls/personal protection

## 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

## 8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

### Personal protection equipment

#### Occupational exposure controls

Respiratory protection: In case of inadequate ventilation wear respiratory protection.
Recommended: Use filter type A/P2 according to EN 14387.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection: Protective gloves according to EN 374.
Recommended:
Camatril
Glove material: nitrile rubber (NBR)
Breakthrough time: 480 min
Layer thickness: 0,33 mm

Dermatril
Glove material: nitrile rubber (NBR)
Breakthrough time: 30 min
Layer thickness: 0,11 mm

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:
Do not breathe mist/vapours/spray.
Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product.
Wash hands thoroughly after handling.
Protect skin by using skin protective cream.

#### Environmental exposure controls

Refer to "6.2 Environmental precautions".

# SECTION 9: Physical and chemical properties

## 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| Physical state at 20 °C and 101.3 kPa | liquid |
| Colour: | light yellow - brownish |
| Odour: | characteristic |
| Odour threshold: | No data available |
| Melting point/freezing point: | not determined |
| Initial boiling point and boiling range: | > 320 °C |
| Flammability: | No data available |
| Upper/lower flammability or explosive limits: | LEL (Lower Explosion Limit): 0,60 Vol-%<br>UEL (Upper Explosive Limit): 6,50 Vol-% |
| Flash point/flash point range: | 220 °C (DIN ISO 2592) |
| Auto-ignition temperature: | not determined |
| Decomposition temperature: | No data available |
| pH: | Not applicable |

| | |
|---|---|
| Viscosity, kinematic: | at 40 °C: 31,2 mm²/s<br>at 100 °C: 5,5 mm²/s |
| Water solubility: | Insoluble |
| Partition coefficient: n-octanol/water: | No data available |
| Vapour pressure: | not determined |
| Density: | at 15 °C: 0,854 - 0,864 g/cm³ |
| Vapour density: | not determined |
| Particle characteristics: | Not applicable |

### 9.2 Other information

| | |
|---|---|
| Explosive properties: | No data available |
| Oxidizing characteristics: | No data available |
| Auto-ignition temperature: | No data available |
| Evaporation rate: | No data available |
| Additional information: | Pour point: - 27 °C (DIN ISO 3016) |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to subsection "Possilbility 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

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

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: No data available

# SECTION 11: Toxicological information

## 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

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. Frequently or prolonged contact with skin may cause dermal irritation.

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: Based on available data, the classification criteria are not met.

## 11.2 Information on other hazards

Endocrine disrupting properties: No data available

Other information: No data available

# SECTION 12: Ecological information

## 12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

## 12.2 Persistence and degradability

Further details: Product is not easily but potentially biologically degradable according to the criteria of the OECD.

## 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 Endocrine disrupting properties

No data available

## 12.7 Other adverse effects

General information: Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

# 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 as hazardous waste. waste disposal according to official state regulations.

### Package

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

# SECTION 14: Transport information

## 14.1 UN number or ID number

ADR/RID, IMDG, IATA-DGR: not applicable
ADN: ID 9006

## 14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR: not applicable
ADN: ID 9006, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

## 14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA-DGR: not applicable
ADN: Class 9, Code: M12

## 14.4 Packing group

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

## 14.5 Environmental hazards

Dangerous for the environment: Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.
Marine pollutant - IMDG: unknown

## 14.6 Special precautions for user

### Inland waterway craft (ADN)

Hazard label: -
Transport permitted: T
Equipment necessary: PP

## 14.7 Maritime transport in bulk according to IMO instruments

No data available

# SECTION 15: Regulatory information

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

### National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3
Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)
Technical guidance air: 5.2.5
Further regulations, limitations and legal requirements:
The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

### National regulations - EC member states

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75.

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

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

H302 = Harmful if swallowed.
H304 = May be fatal if swallowed and enters airways.
H314 = Causes severe skin burns and eye damage.
H315 = Causes skin irritation.
H318 = Causes serious eye damage.
H335 = May cause respiratory irritation.
H373 = May cause damage to organs through prolonged or repeated exposure.
H400 = Very toxic to aquatic life.
H410 = Very toxic to aquatic life with long lasting effects.
H412 = Harmful to aquatic life with long lasting effects.

Reason of change: General revision

Date of first version: 24.5.2022

Department issuing data sheet: see section 1: Department responsible for information

Abbreviations and acronyms:

Acute Tox.: Acute toxicity
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
Aquatic Acute: Hazardous to the aquatic environment - acute
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EN: European Standard
EQ: Excepted quantities
EU: European Union
Eye Dam.: Eye damage
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
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
Skin Corr.: Skin corrosion
Skin Irrit.: Skin irritation
STOT RE: Specific target organ toxicity - repeated exposure
STOT SE: Specific target organ toxicity - single exposure
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

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/drhcrhhs