



# Eni Hydroil GF 46

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis  
Revision date: 9/17/2025 Supersedes: 1/3/2025 Version: 2.0

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Eni Hydroil GF 46  
Product code : 5239  
Type of product : Lubricants  
Formula : 0096-2025  
Product group : Trade product

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

##### Relevant identified uses

Main use category : Industrial use, Professional use  
Industrial/Professional use spec : Used in closed systems  
Non-dispersive use  
Use of the substance/mixture : Functional fluids  
Hydraulic oil  
----  
Do not use the product for any purposes that have not been advised by the manufacturer.  
Function or use category : Hydraulic fluids and additives, Lubricants and additives

#### 1.3. Details of the supplier of product safety information sheet

Enilive S.p.A, Viale Giorgio Ribotta 51, 00144 Rome, ITALY, Tel. +39 06 59821  
Competent person responsible for the safety data sheet (Reg. EC nr. 1907/2006): SDS.Enilive@enilive.com

Distributed by: Enilive Schmiertechnik GmbH, Paradiesstraße 14, 97080 Würzburg, GERMANY  
Department responsible for information: Application Engineering & Product Management (AEPM), Tel. +49 (0)931-900 98-0  
e-mail: technik.wuerzburg@enilive.com

#### 1.4. Emergency telephone number

Emergency number : CNIT +39 0382 24444 (24h) (IT + EN)  
Poison Center

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

Contact with eyes may cause temporary reddening and irritation. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

Other hazards not contributing to the classification : This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels. Any substance, in case of accidents involving pressurized circuits and the like, may be accidentally injected under the skin, even without external damage. In such a case, the victim should be brought to a hospital as soon as possible, to get specialized medical treatment. Do not wait for symptoms to develop.

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This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

Comments : Composition/ Information on ingredients:  
Mixture of hydrocarbons  
Additives

| Name   | Product identifier   | %       | Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP] |
|--|--|---------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (see note [*], see note [**]) substance with national workplace exposure limit(s) (AT, BE, DK, ES, GB, HU, NL, SE) | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25 | 90 - 99 | Not classified   |

Comments : Note [\*]:  
this product has a value of DMSO extract < 3 % wt, according to IP 346. According to the criteria laid out by the EU (note L, Annex VI of Regulation (CE) 1272/2008), this product must be regarded as non carcinogenic.  
Note [\*\*]:  
substance with occupational exposure limits for some EU countries affecting the category of mineral oils (finely refined mineral base oil mists; see section 8.1)

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove to fresh air, keep the casualty warm and at rest. If breathing is difficult, give oxygen if possible, or assisted ventilation. If necessary, give external cardiac massage and obtain medical advice. See also section 4.3.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention. In case of burns, cool affected part with cold running water for at least 10 min. Cover with gauze or clean cloth. Ask for medical assistance or bring to a hospital. Do not apply salves or other substances, unless by doctor's advice.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do so. Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist. In case of burns, cool affected part with cold running water for at least 10 min. Cover with gauze or clean cloth. Ask for medical assistance or bring to a hospital. Do not apply salves or other substances, unless by doctor's advice.

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First-aid measures after ingestion : Rinse mouth thoroughly with water. Give water to drink if victim completely conscious/alert. Do not induce vomiting. In case of spontaneous vomiting, keep head low, to avoid the risk of aspiration into the lungs.

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

Symptoms/effects after inhalation : Inhalation of fumes or oil mists produced at high temperatures may cause irritation of the respiratory tract. Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.

Symptoms/effects after skin contact : Contact with hot product may cause thermal burns.

Symptoms/effects after eye contact : Contact with eyes may cause temporary reddening and irritation. Contact with hot product or vapours may cause burns.

Symptoms/effects after ingestion : Accidental ingestion of small quantities of the product may cause nausea, discomfort and gastric disturbances.

Symptoms/effects upon intravenous administration : No information available.

Chronic symptoms : None to be reported, according to the present classification criteria.

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

Obtain medical attention if casualty has an altered state of consciousness or if symptoms do not resolve. Seek medical attention in all cases of serious burns.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Small-size fires: carbon dioxide, dry chemicals, foam, sand or earth. Large fires: foam or water fog (mist). These means should be used by trained personnel only. Other extinguishing gases (according to regulations).

Unsuitable extinguishing media : Do not use water jets. They could cause splattering, and spread the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.

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

Fire hazard : This product is combustible, but not classified as Flammable. The creation of flammable vapour mixtures takes place at temperatures which are higher than normal ambient levels.

Explosion hazard : In case of losses from pressurized circuits, the sprays may form mists. Take into account that in this case the lower explosion limit for mists is about 45 g/m<sup>3</sup> air. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Oxygenated compounds (aldehydes, etc.). POx. ZnOx. CaOx.

### 5.3. Advice for firefighters

Firefighting instructions : Shut off source of product, if possible. Move undamaged containers from immediate hazard area if it can be done safely. Spilled product which is not burning should be covered with sand or foam. Use water sprays to cool containers and surfaces exposed to the flames. If the fire cannot be controlled, evacuate area.

Special protective equipment for firefighters : Wear personal protection equipment. (see chapter 8). In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. EN 443. EN 469. EN 659.

Other information : In case of fire, do not discharge residual product, waste materials and runoff water: collect separately and use a proper treatment.

## SECTION 6: Accidental release measures

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

General measures : Stop or contain leak at the source, if safe to do so. Eliminate all ignition sources if safe to do so (e.g. electricity, sparks, fires, flares). Avoid accidental sprays on hot surfaces or electrical contacts. Avoid direct contact with released material. Keep upwind.

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### For non-emergency personnel

- Protective equipment : See Section 8.
- Emergency procedures : Keep non-involved personnel away from the area of spillage. Alert emergency personnel. Except in case of small spillages, the feasibility of any actions should always be assessed and advised, if possible, by a trained, competent person in charge of managing the emergency.

### For emergency responders

- Protective equipment : Standard EN 469 - Protective clothing for firefighters. Standard - EN 659: Protective gloves for firefighters. Small spillages: normal antistatic working clothes are usually adequate. Large spillages: full body suit of chemically resistant and antistatic material. if necessary heat resistant and insulated. Work helmet. Antistatic non-skid safety shoes or boots. Goggles and /or face shield, if splashes or contact with eyes is possible or anticipated. Respiratory protection: a half or full-face respirator with filter(s) for organic vapours (AX), or a Self-contained Breathing Apparatus (SCBA) can be used according to the extent of spill and predictable amount of exposure. If the situation cannot be completely assessed, or if an oxygen deficiency is possible, only SCBA's should be used.
- Emergency procedures : If required, notify relevant authorities according to all applicable regulations.

## 6.2. Environmental precautions

Do not let the product accumulate in confined or underground spaces. Do not let the product flow into sewers or water courses, or in any way contaminate the environment. In case of contamination of environment compartments (soil, subsoil, surface or underground waters), remove contaminated soil when possible, and in any case treat all involved compartments in accordance with local regulations. The site should have a spill plan to ensure that adequate safeguards are in place to minimize the impact of episodic releases.

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

- For containment : Contain spilled liquid with sand, earth or other suitable absorbents (non-flammable). Recover free liquid and waste materials in suitable waterproof and oil-resistant containers. Clean contaminated area. Dispose of according to local regulations. If in water: Confine the spillage. Remove from surface by skimming or suitable floating absorbents. Collect recovered product and other waste materials in suitable waterproof, oil resistant containers. Recover or dispose of according to local regulations. Do not use solvents or dispersants, unless specifically advised by an expert, and, if required, approved by local authorities.
- Methods for cleaning up : Transfer recovered product and other materials to suitable tanks or containers and store/dispose according to relevant regulations.
- Other information : Recommended measures are based on the most likely spillage scenarios for this material; however, local conditions (wind, air/water temperature, wave/current direction and speed) may significantly influence the choice of appropriate actions. Local regulations may also prescribe or limit actions to be taken. For this reason, local experts should be consulted when necessary.

## 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

- Precautions for safe handling : This material is combustible, but will not ignite readily. Provide adequate ventilation. Use adequate personal protective equipment as needed. Due to the extremely slippery nature of this material, more care than usual must be exercised in material handling practices to keep off all walking surfaces. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid release to the environment. Emptied containers can contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been drained and cleaned.

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Hygiene measures : Ensure that proper housekeeping measures are in place. Avoid contact with skin. Do not breathe fume/ mist/ vapours. Do not ingest. Do not smoke. Do not eat and do not drink during use. Do not clean hands with dirty or oil-soaked rags. Do not re-use clothes, if they are still contaminated. Keep away from food and beverages. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Contaminated work clothing should not be allowed out of the workplace. Separate working clothes from town clothes. Launder separately.

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

Storage conditions : Store in dry, well-ventilated area. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke.

Incompatible products : Strong oxidizing agents.

Storage area : Storage area layout, tank design, equipment and operating procedures must comply with the relevant European, national or local legislation. Storage installations/areas should be designed with adequate bunds in case of leaks or spills. Cleaning, inspection and maintenance of internal structure of storage tanks must be done only by properly equipped and qualified personnel as defined by national, local or company regulations.

Packages and containers: : If the product is supplied in containers: Keep containers tightly closed and properly labelled. Keep only in the original container or in a suitable container for this kind of product.

Packaging materials : For containers, or container linings use materials specifically approved for use with this product. Compatibility should be checked with the manufacturer, according to the specific use conditions.

#### Germany

Storage class (LGK, TRGS 510) : LGK 10 - Combustible liquids

#### Switzerland

Storage class (LK) : LK 10/12 - Liquids

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

#### Austria - Occupational Exposure Limits

|               |   |
|---------------|---|
| MAK (OEL TWA) | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------------|---|

#### Belgium - Occupational Exposure Limits

|         |   |
|---------|---|
| OEL TWA | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------|---|

#### Denmark - Occupational Exposure Limits

|         |   |
|---------|---|
| OEL TWA | 1 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------|---|

|          |   |
|----------|---|
| OEL STEL | 2 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|----------|---|

#### Hungary - Occupational Exposure Limits

|              |   |
|--------------|---|
| AK (OEL TWA) | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|--------------|---|

#### Netherlands - Occupational Exposure Limits

|                                 |   |
|---------------------------------|---|
| MAC TGG 8h (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------------------------------|---|

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### Spain - Occupational Exposure Limits

|                             |  |
|-----------------------------|--|
| VLA-ED (OEL TWA)            | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| VLA-EC (mg/m <sup>3</sup> ) | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### Sweden - Occupational Exposure Limits

|                |   |
|----------------|---|
| NGV (OEL TWA)  | 1 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
| KGV (OEL STEL) | 3 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### United Kingdom - Occupational Exposure Limits

|                     |  |
|---------------------|--|
| WEL TWA (OEL TWA)   | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| WEL STEL (OEL STEL) | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### USA - ACGIH - Occupational Exposure Limits

|                  |  |
|------------------|--|
| ACGIH® TLV® TWA  | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| ACGIH® TLV® STEL | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### Recommended monitoring procedures

#### Monitoring methods

|                    |  |
|--------------------|--|
| Monitoring methods | Monitoring procedures should be chosen according to the indications set by national authorities or labour contracts. Refer to relevant legislation and in any case to the good practice of industrial hygiene. |
|--------------------|--|

### DNEL and PNEC

#### Eni Hydroil GF 46

##### DNEL/DMEL (additional information)

|                        |                |
|------------------------|----------------|
| Additional information | Not applicable |
|------------------------|----------------|

##### PNEC (additional information)

|                        |                |
|------------------------|----------------|
| Additional information | Not applicable |
|------------------------|----------------|

Note : The Derived No Effect Level (DNEL) is an estimated safe level of exposure that is derived from toxicity data in accord with specific guidance within the European REACH regulation. The DNEL may differ from an Occupational Exposure Limit (OEL) for the same chemical. OELs may be recommended by an individual company, a governmental regulatory body or an expert organization, such as the Scientific Committee for Occupational Exposure Limits (SCOEL) or the American Conference of Governmental Industrial Hygienists (ACGIH). OELs are considered to be safe exposure levels for a typical worker in an occupational setting for an 8-hour work shift, 40 hour work week, as a time weighted average (TWA) or a 15 minute short-term exposure limit (STEL). While also considered to be protective of health, OELs are derived by a process different from that of REACH.

## 8.2. Exposure controls

### Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station. Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), carry out an adequate clean-up, and check the atmosphere for oxygen content and flammability.

### Personal protection equipment

#### Personal protective equipment (for industrial or professional use):

Gloves. Protective clothing. Safety glasses. Safety shoes or boots. Dust/aerosol mask.

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### Personal protective equipment symbol(s):



### Eye and face protection

#### Eye protection:

When there is a risk of contact with the eyes, use safety goggles or other means of protection (face shield). If necessary, refer to national standards or to the EN 166 standard. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure

### Skin protection

#### Skin and body protection:

Long-sleeved overalls. If necessary, refer to the EN 340 and related standards, for definition of characteristics and performance according to the risk rating of the area. Antistatic non-skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated.

#### Hand protection:

When there is a risk of contact with the skin, use waterproof gloves, resistant to chemical products. Gloves must be felt-lined. Adequate materials: nitrile (NBR) or PVC with a protection index > 5 (permeation time > 240 mins). Use gloves respecting all the conditions and within the limits set by the manufacturer. Replace gloves immediately in case of cuts, holes or other signs of damages or degradation. If necessary, refer to the EN 374 standard. Personal hygiene is a key element for an effective hand care. Gloves must be worn only with clean hands. After wearing gloves, hands must be carefully washed and dried.

### Respiratory protection

#### Respiratory protection:

Independently from other possible actions (technical modifications, operating procedures, and other means to limit the exposure of workers), personal protection equipment can be used according to necessity. Open or well ventilated spaces: if the product is handled without adequate containment, use full or half-face masks with adequate filter for dusts. (EN 136/140/145). Combination filter device (DIN EN 141). Closed or confined areas (e.g. tank interiors): the use of protection measures for airways (masks or self-contained breathing apparatus), must be assessed according to the specific activity, as well as level and duration of predicted exposure. (EN 136/140/145)

### Thermal hazards

#### Thermal hazard protection:

If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated.

### Environmental exposure controls

#### Environmental exposure controls:

Do not discharge the product into the environment. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed. Prevent discharge of undissolved substance to or recover from onsite wastewater. Storage areas/installations should be designed with adequate bunds so as to prevent ground and water pollution in case of leaks or spills.

#### Consumer exposure controls:

Not applicable.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                                   |
|---------------------------|-----------------------------------|
| Physical state            | : Liquid                          |
| Colour                    | : Yellow-brown.                   |
| Appearance                | : Liquid, bright & clear.         |
| Odour                     | : Characteristics.                |
| Odour threshold           | : Not available                   |
| Melting point             | : -27 °C (pour point) (ASTM D 97) |
| Freezing point            | : Not determined                  |
| Boiling point             | : Not determined                  |
| Flammability              | : Not flammable                   |
| Lower explosion limit     | : Not determined                  |
| Upper explosion limit     | : Not determined                  |
| Flash point               | : 221 °C (ASTM D 92)              |
| Auto-ignition temperature | : Not determined                  |
| Decomposition temperature | : Not determined                  |

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|                                 |  |
|---------------------------------|--|
| pH                              | : Not applicable                               |
| Viscosity, kinematic            | : 44.7 mm <sup>2</sup> /s (40 °C) (ASTM D 445) |
| Solubility                      | : Water: Immiscible and insoluble              |
| Log Kow                         | : Not applicable for mixtures                  |
| Log Pow                         | : Not applicable for mixtures                  |
| Vapour pressure                 | : Not determined                               |
| Vapour pressure at 50°C         | : Not determined                               |
| Density                         | : 867 kg/m <sup>3</sup> (15°C, ASTM D 4052)    |
| Relative density                | : Not determined                               |
| Relative vapour density at 20°C | : Not determined                               |
| Particle characteristics        | : Not applicable                               |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

This mixture does not offer any further hazard for reactivity, except what is reported in the following paragraphs.

### 10.2. Chemical stability

Stable product, according to its intrinsic properties.

### 10.3. Possibility of hazardous reactions

None (in normal conditions of storage and handling). Contact with strong oxidizers (peroxides, chromates, etc.) may cause a fire hazard. Sensitivity to heat, friction or shock cannot be assessed in advance.

### 10.4. Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### 10.5. Incompatible materials

Strong oxidants.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition may produce : Toxic fumes.

## SECTION 11: Toxicological information

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

|                             |   |
|-----------------------------|---|
| Acute toxicity (oral)       | : Not classified (Based on available data, the classification criteria are not met; Conclusive but not sufficient for classification) |
| Acute toxicity (dermal)     | : Not classified (Based on available data, the classification criteria are not met; Conclusive but not sufficient for classification) |
| Acute toxicity (inhalation) | : Not classified (Based on available data, the classification criteria are not met; Conclusive but not sufficient for classification) |
| Additional information      | : (according to composition)  |

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

|                       |                         |
|-----------------------|-------------------------|
| LD50 oral rat         | > 5000 mg/kg (OECD 401) |
| LD50 dermal rat       | > 5000 mg/kg (OECD 402) |
| LC50 Inhalation - Rat | > 5 mg/l/4h (OECD 403)  |

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Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable  
Additional information : (according to composition)

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pH : Not applicable

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable  
Additional information : (according to composition)

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pH : Not applicable

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3)  
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)

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LOAEL (oral, rat, 90 days) : 125 mg/kg bodyweight/day (OECD TG 408)

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)  
Additional information : (according to composition)  
Viscosity, kinematic: > 20,5 mm<sup>2</sup>/s (40 °C) (ASTM D 445)

### Eni Hydroil GF 46

Viscosity, kinematic : 44.7 mm<sup>2</sup>/s (40 °C) (ASTM D 445)

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

Viscosity, kinematic : 70 – 73 mm<sup>2</sup>/s (40 °C) (ASTM D 445)

## 11.2. Information on other hazards

### Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

# Eni Hydroil GF 46

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

### Other information

|   |   |
|---|---|
| Potential adverse human health effects and symptoms | : Contact with eyes may cause temporary reddening and irritation, Avoid all eye and skin contact and do not breathe vapour and mist |
| Other information                                   | : None  |

## SECTION 12: Ecological information

### 12.1. Toxicity

|   |  |
|---|--|
| Ecology - general   | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. An uncontrolled release to the environment may nevertheless produce a contamination of different environmental compartments (air, soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment. |
| Ecology - water   | : This product is not soluble in water. It floats on water and forms a film on the surface. The damage to aquatic organisms is of mechanical kind (immobilization and entrapment)  |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met)  |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met)  |

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

|                |   |
|----------------|---|
| LC50 fish 1    | > 100 mg/l (LL 50)  |
| EC50 Daphnia 1 | > 10000 mg/l WAF, 48 h (OECD 202)   |
| NOEC (acute)   | ≥ 100 mg/l (Pseudokirchneriella subcapitata, 72h, OECD 201 - Petro-Canada 2008) |

### 12.2. Persistence and degradability

#### Eni Hydroil GF 46

|                               |  |
|-------------------------------|--|
| Persistence and degradability | The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions. |
|-------------------------------|--|

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

|                               |  |
|-------------------------------|--|
| Persistence and degradability | The most significant constituents of the product should be considered as "inherently biodegradable", but not "readily biodegradable", and they may be moderately persistent, particularly in anaerobic conditions. |
|-------------------------------|--|

### 12.3. Bioaccumulative potential

#### Eni Hydroil GF 46

|                           |                             |
|---------------------------|-----------------------------|
| Log Pow                   | Not applicable for mixtures |
| Log Kow                   | Not applicable for mixtures |
| Bioaccumulative potential | Not established.            |

### 12.4. Mobility in soil

#### Eni Hydroil GF 46

|                |                    |
|----------------|--------------------|
| Ecology - soil | No data available. |
|----------------|--------------------|

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## Product Safety Information Sheet

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### 12.5. Results of PBT and vPvB assessment

#### Eni Hydroil GF 46

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

### 12.7. Other adverse effects

Other adverse effects : None.

#### Eni Hydroil GF 46

Other information : No other effects known

**Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)**

Other information : This product has no specific properties for inhibition of bacterial activity. In any case, wastewater containing this product should be treated in plants that are suited for the specific purpose.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Do not dispose of the product, either new or used, by dumping on the ground, or discharging into sewers, tunnels, lakes or water courses. Deliver to a qualified official collector. Dispose of empty containers and wastes safely.

Sewage disposal recommendations : Dispose of in a safe manner in accordance with local/national regulations. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

Product/Packaging disposal recommendations : European Waste Catalogue code(s) (Decision 2001/118/CE): 13 02 05\* (mineral-based non-chlorinated engine, gear and lubricating oils). This EWC code is only a general indication, and takes into account the original composition of the product and its intended use. The user has the responsibility of choosing the right EWC code, considering the actual use of the product, alterations and contaminations.

Ecology - waste materials : The product as it is does not contain halogenated substances.

EURAL code (EWC) : 13 02 05\* - Mineral-based non-chlorinated engine, gear and lubricating oils

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                  | IMDG          | IATA          | ADN           | RID           |
|--------------------------------------|---------------|---------------|---------------|---------------|
| <b>14.1. UN number or ID number</b>  |               |               |               |               |
| Not regulated for transport          |               |               |               |               |
| <b>14.2. UN proper shipping name</b> |               |               |               |               |
| Not regulated                        | Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| None.                                   |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

No ingredients are included in the REACH Candidate list (> 0,1 % m/m).

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

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### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### National regulations

#### France

| Maladies professionnelles (F) |   |
|-------------------------------|---|
| Code                          | Description   |
| RG 36                         | Diseases caused by oils and fats of mineral or synthetic origin |

#### Germany

- Employment restrictions : Employment prohibitions or restrictions on the protection of young people at work according to § 22 JArbSchG in the case of formation of hazardous substances have to be observed.
- National Rules and Recommendations : TRGS 400: Hazard assessment for activities involving Hazardous Substances.  
TRGS 401: Risks resulting from skin contact - identification, assessment, measures.  
TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous Substances: Inhalation Exposure.  
TRGS 555: Working instruction and information for workers.  
TRGS 800: Fire protection measures.  
TRGS 900: Occupational Exposure Limits.
- VbF class (D) : Not applicable.
- Water hazard class (WGK) (D) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1).
- WGK remark : Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS).
- Major Accidents Ordinance (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

#### Netherlands

- Saneringsinspanningen : C - Minimize discharge
- SZW-lijst van kankerverwekkende stoffen : None of the components are listed
- SZW-lijst van mutagene stoffen : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed
- SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

- Danish National Regulations : Pregnant/breastfeeding women working with the product must not be in direct contact with it

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## Product Safety Information Sheet

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### Poland

#### Polish National Regulations

- : Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).  
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).  
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).  
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).  
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).  
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).  
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488)  
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).  
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).  
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891)

### 15.2. Chemical safety assessment

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

No chemical safety assessment has been carried out

**A chemical safety assessment has been carried out for the following components of this mixture::**

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.]

### SECTION 16: Other information

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

#### Indication of changes

| Section | Changed item                           | Comments        |
|---------|--|-----------------|
| 1.1     | Product code                           | <b>Modified</b> |
| 3       | Composition/information on ingredients | <b>Modified</b> |
| 3.2     | Comments                               | <b>Modified</b> |
| 9       | Vapour pressure                        | <b>Modified</b> |
| 11.1    | Additional information                 | <b>Modified</b> |
| 16      | Other information                      | <b>Modified</b> |

#### Abbreviations and acronyms:

|  |                      |
|--|----------------------|
|  | N/D = not available  |
|  | N/A = not applicable |

# Eni Hydroil GF 46

## Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

| 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                |
| ATE                         | Acute Toxicity Estimate  |
| BCF                         | Bioconcentration factor  |
| CLP                         | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                        |
| DMEL                        | Derived Minimal Effect level   |
| DNEL                        | Derived-No Effect Level  |
| EC50                        | Effective concentration for 50 percent of test population (median effective concentration)         |
| IARC                        | International Agency for Research on Cancer  |
| IATA                        | International Air Transport Association  |
| IMDG                        | International Maritime Dangerous Goods   |
| LC50                        | Lethal concentration for 50 percent of test population (median lethal concentration)               |
| LD50                        | Lethal dose for 50 percent of test population (median lethal dose)                                 |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration   |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development   |
| PBT                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| REACH                       | Registration, Evaluation, Authorisation and Restriction of Chemicals, Regulation (EC) No 1907/2006 |
| RID                         | Regulation concerning the International Carriage of Dangerous Goods by Railways                    |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| vPvB                        | Very Persistent and Very Bioaccumulative   |

- Data sources : This Safety Data Sheet is based on the real characteristics of the components and their combination, taking into account the information provided by the suppliers.
- Training advice : Provide adequate training to professional operators for the use of PPEs, according to the information contained in this Safety Data Sheet.
- Other information : Do not use the product for any purposes that have not been advised by the manufacturer.

Safety Data Sheet (SDS), EU