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

1.1. Product identifier

Product form: Mixture
Trade name: Eni Rotra ATF VI
Type of product: Lubricants
Formula: 0808-2018
Product group: Trade product

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

1.2.1. Relevant identified uses

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

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ENI S.p.A.
P.le E. Mattei 1 - 00144 Rome Italy
Phone: (+39) 06 59821
www.eni.com

Contact:
Refining & Marketing
Via Laurentina 449 - 00142 Rome Italy
Phone: (+39) 06 59881 - Fax (+39) 06 59885700

Competent person responsible for the Safety Data Sheet (Reg. EC nr. 1907/2006): SDSInfo@eni.com

1.4. Emergency telephone number

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

Poison centre (UK):
National Poisons Information Service Edinburgh (24h)
(+44) 844 892 0111
0870 600 6266 (UK only)
(Source: UN-WHO)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment — H412
Chronic Hazard, Category 3
Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects

Contact with eyes may cause temporary reddening and irritation. Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. May produce an allergic reaction. Harmful to aquatic life with long lasting effects. For specific information about the toxicological/ecotoxicological properties and classification of this product, see Sect. 11 and/or Sect. 12.
According to Regulation (EU) No. 830/2015

2.2. Labelling elements

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

CLP Signal word : [None]

Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) : P102 - Keep out of reach of children.
P273 - Avoid release to the environment.
P501 - Dispose of contents and container to according to national or local regulations.

EUH-statements : EUH208 - Contains 1-(tert-dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts, Acetamide, 2-hydroxy-, N,N-dicocoalkyl derivatives, 1,2-Propanediol, 3-amino-, N,N dicocoalkyl derivatives, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

2.3. Other hazards (not relevant for classification)

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 an hospital as soon as possible, to get specialized medical treatment. Do not wait for symptoms to develop. A potential risk may arise from the release of hydrogen sulfide, when the product is stored or handled at high temperature. Hydrogen sulfide may accumulate in the tanks or other confined spaces, with danger to the workers that enter the spaces. In these cases overexposure to hydrogen sulfide may cause irritation to airways, nausea, dizziness, loss of consciousness and death.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Notes : Composition/ Information on ingredients:
- Mixture of hydrocarbons
- Additives

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (Main component, see note [*])</td>
<td>(CAS-No.) 72623-87-1 (EC-No.) 276-738-4 (EC Index No.) 649-483-00-5 (REACH no) 01-2119474889-13</td>
<td>80 - 90</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Mineral base oil, severely refined (For identification of the substance, see note [*] )</td>
<td>(CAS-No.) 68649-11-6 (EC-No.) 500-228-5 (EC Index No.) N/A (REACH no) 01-211943069-28</td>
<td>1 - 5</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>1-Decene, Dimer, Hydrogenated (Additive)</td>
<td>(CAS-No.) 285-155-7 (EC Index No.) 649-468-00-3 (REACH no) 01-2119487077-29</td>
<td>1 - 2</td>
<td>Acute Tox. 4 (Inhalation: dust,mist), H332 Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated light paraffinic (Component, see note [*])</td>
<td>(CAS-No.) 67442-55-8 (EC No.) 265-155-7 (EC Index No.) N/A (REACH no) 01-2119487077-29</td>
<td>1 - 2</td>
<td>Asp. Tox. 1, H304</td>
</tr>
<tr>
<td>Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alklyphox) derivs., C10-rich (Additive)</td>
<td>(CAS-No.) 398141-87-2 (EC Index No.) N/A (REACH no) 01-2119969520-35</td>
<td>1 - 2</td>
<td>Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Acetamide, 2-hydroxy-, N,N-dicocoalkyl derivatives (Additive)</td>
<td>(EC-No.) 471-920-1 (EC Index No.) N/A (REACH no) 01-0000019770-68</td>
<td>0.5 - 1.5</td>
<td>Skin Sens. 1, H317</td>
</tr>
<tr>
<td>1-(tert-dodecylthio)propan-2-ol (Additive)</td>
<td>(CAS-No.) 67124-09-8 (EC-No.) 266-582-5 (EC Index No.) N/A (REACH no) 01-2119953277-30</td>
<td>0.1 - 0.9</td>
<td>Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410</td>
</tr>
<tr>
<td>1,2-Propanediol, 3-amino-, N,N dicocoalkyl derivatives (Additive)</td>
<td>(EC-No.) 482-000-4 (EC Index No.) N/A (REACH no) 01-0000020142-86</td>
<td>0.1 - 0.9</td>
<td>Skin Sens. 1, H317 Aquatic Chronic 3, H412</td>
</tr>
</tbody>
</table>
Eni Rotra ATF VI
Safety Data Sheet

According to Regulation (EU) No. 830/2015

<table>
<thead>
<tr>
<th>Benzene, polypropene derivatives, sulfonated, calcium salts (Additive)</th>
<th>(CAS-No.): 75975-85-8 (EC-No.): 616-278-7 (EC Index-No.): N/A (REACH no): N/A</th>
<th>0,1 - 0,15</th>
<th>Eye Irrit. 2, H319 Skin Sens. 1, H317</th>
</tr>
</thead>
<tbody>
<tr>
<td>C14-18 alpha-olefin epoxide, reaction products with boric acid (Additive)</td>
<td>(EC-No.) 939-580-3 (EC Index-No.): N/A (REACH no): 01-211997664-28</td>
<td>0,1 - 0,15</td>
<td>Skin Sens. 1B, H317</td>
</tr>
<tr>
<td>2,2’-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (Additive)</td>
<td>(CAS-No.) 1218787-32-6 (EC-No.): 620-540-6 (EC Index-No.): N/A (REACH no): 01-2119510877-33</td>
<td>0,1 - 0,15</td>
<td>Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetamide, 2-hydroxy-, N,N-dicocerylal derivatives (Additive)</td>
<td>(EC-No.) 471-920-1 (EC Index-No.): N/A (REACH no): 01-000019770-68</td>
<td>(C &gt;= 9,4) Skin Sens. 1, H317</td>
</tr>
<tr>
<td>1-((tert-dodecylthio)propan-2-ol (Additive)</td>
<td>(CAS-No.) 67124-09-8 (EC-No.) 266-582-5 (EC Index-No.): N/A (REACH no): 01-2119953277-30</td>
<td>(C &gt;= 14,2) Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Notes:

[*] Note: this product may be formulated with one or more of the following severely refined mineral base oils (not classified as hazardous):
- CAS 64742-64-7/EC 265-157-1/REACH Reg. # 01-2119484627-25-xxxx; CAS 64742-65-9/EC 265-169-7/REACH Reg. # 01-2119471299-27-xxxx; CAS 64742-70-7/EC 265-174-4/REACH Reg. # 01-2119487080-42-xxxx. All these substances have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3)

Full text of H-statements: see section 16

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 contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor or bring to an hospital. Do not use salves or ointments, unless directed by doctor.

**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 persists, seek medical advice. In case of contact with hot product, cool affected part with plenty of cold water, and cover with gauze or clean cloth. Call a doctor or bring to an hospital. Do not use salves or ointments, unless directed by doctor.

**First-aid measures after ingestion**: Rinse mouth thoroughly with water. Give water to drink if victim completely conscious/alert. Do not induce vomiting.

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**: Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. May cause an allergic skin reaction. 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. If there is any suspicion of inhalation of H2S (hydrogen sulphide), Rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. Send patient to hospital. Immediately begin artificial respiration if breathing has ceased. Administer oxygen if necessary.

16/08/2018 EN (English) 3/16
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/m² of air. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Hazardous decomposition products in case of fire: Incomplete combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates, gases, including carbon monoxide, NOx, H2S and SOx (harmful/toxic gases). Oxygenated compounds (aldehydes, etc.). POx. CaOx. BOx.

5.3. Advice for firefighters

Firefighting instructions: Shut off source of product, if possible. If possible, move containers and drums away from danger area. 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: Personal protection equipment for firefighters (see also sect. 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, flames). Avoid accidental sprays on hot surfaces or electrical contacts. Avoid direct contact with released material. Keep upwind.

6.1.1. 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.

6.1.2. 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 combined dust/organic vapour filter(s), 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: Notify local authorities according to relevant 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.
Eni Rotra ATF VI
Safety Data Sheet

According to Regulation (EU) No. 830/2015

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: Ensure that proper housekeeping measures are in place. Keep away from heat/sparks/open flames/hot surfaces. Use and store only outdoors or in a well-ventilated area. Ensure good ventilation of the work station. 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. 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, flammability, and the presence of sulphur compounds. The product may release Hydrogen Sulphide: a specific assessment of inhalation risks from the presence of hydrogen sulphide in tank headspaces, confined spaces, product residue, tank waste and waste water, and unintentional releases should be made to help determine controls appropriate to local circumstances.

Handling temperature: This product can be handled at ambient temperatures.

Hygiene measures: 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 reuse clothes, if they are still contaminated. Keep away from food and beverages. Wash hands 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 should be designed with adequate bunds so as to prevent ground and water pollution 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.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>MAK (mg/m³)</td>
</tr>
<tr>
<td>Belgium</td>
<td>Limit value (mg/m³)</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdi (langvarig) (mg/m³)</td>
</tr>
<tr>
<td>Denmark</td>
<td>Grænseværdi (kortvarig) (mg/m³)</td>
</tr>
<tr>
<td>Hungary</td>
<td>AK-érték</td>
</tr>
<tr>
<td>Netherlands</td>
<td>MAC TGG 8h (mg/m³)</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-ED (mg/m³)</td>
</tr>
<tr>
<td>Spain</td>
<td>VLA-EC (mg/m³)</td>
</tr>
<tr>
<td>Sweden</td>
<td>Nivågränsvärde (NVG) (mg/m³)</td>
</tr>
<tr>
<td>Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)</td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>Sweden</strong></td>
<td>Kortidsvärde (KTV) (mg/m³)</td>
</tr>
<tr>
<td><strong>United Kingdom</strong></td>
<td>WEL TWA (mg/m³)</td>
</tr>
<tr>
<td><strong>United Kingdom</strong></td>
<td>WEL STEL (mg/m³)</td>
</tr>
<tr>
<td><strong>Canada (Quebec)</strong></td>
<td>VEC M (mg/m³)</td>
</tr>
<tr>
<td><strong>Canada (Quebec)</strong></td>
<td>VEMP (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - ACGIH</strong></td>
<td>ACGIH TLV®-TWA (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - ACGIH</strong></td>
<td>ACGIH TLV®-STEL (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - NIOSH</strong></td>
<td>NIOSH REL (TWA) (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - NIOSH</strong></td>
<td>NIOSH REL (STEL) (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - OSHA</strong></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
<tr>
<td><strong>Austria</strong></td>
<td>MAK (mg/m³)</td>
</tr>
<tr>
<td><strong>Belgium</strong></td>
<td>Limit value (mg/m³)</td>
</tr>
<tr>
<td><strong>Denmark</strong></td>
<td>Grænseværdi (langvarig) (mg/m³)</td>
</tr>
<tr>
<td><strong>Denmark</strong></td>
<td>Grænseværdi (kortvarig) (mg/m³)</td>
</tr>
<tr>
<td><strong>Hungary</strong></td>
<td>AK-érték</td>
</tr>
<tr>
<td><strong>Netherlands</strong></td>
<td>MAC TGG 8h (mg/m³)</td>
</tr>
<tr>
<td><strong>Spain</strong></td>
<td>VLA-ED (mg/m³)</td>
</tr>
<tr>
<td><strong>Spain</strong></td>
<td>VLA-EC (mg/m³)</td>
</tr>
<tr>
<td><strong>Sweden</strong></td>
<td>Nivågränsvärde (NVG) (mg/m³)</td>
</tr>
<tr>
<td><strong>Sweden</strong></td>
<td>Kortidsvärde (KTV) (mg/m³)</td>
</tr>
<tr>
<td><strong>United Kingdom</strong></td>
<td>WEL TWA (mg/m³)</td>
</tr>
<tr>
<td><strong>United Kingdom</strong></td>
<td>WEL STEL (mg/m³)</td>
</tr>
<tr>
<td><strong>Canada (Quebec)</strong></td>
<td>VEC M (mg/m³)</td>
</tr>
<tr>
<td><strong>Canada (Quebec)</strong></td>
<td>VEMP (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - ACGIH</strong></td>
<td>ACGIH TLV®-TWA (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - ACGIH</strong></td>
<td>ACGIH TLV®-STEL (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - NIOSH</strong></td>
<td>NIOSH REL (TWA) (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - NIOSH</strong></td>
<td>NIOSH REL (STEL) (mg/m³)</td>
</tr>
<tr>
<td><strong>USA - OSHA</strong></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
</tbody>
</table>

**Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)**

| **Austria** | MAK (mg/m³) | 5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
## Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

<table>
<thead>
<tr>
<th>Country</th>
<th>Limit value (mg/m³)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgium</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Denmark (langvarig)</td>
<td>1 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Denmark (kortvarig)</td>
<td>2 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Hungary</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Spain (VLA-ED)</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Spain (VLA-EC)</td>
<td>10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Hungary (KTV)</td>
<td>3 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Netherlands</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Spain (VECD)</td>
<td>10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>Canada (Quebec)</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - NIOSH</td>
<td>10 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>5 mg/m³ (Mineral base oil mist, severely refined, DMSO extract &lt;3% m/m)</td>
<td></td>
</tr>
</tbody>
</table>

### 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.

### ENI Rotra ATF VI

<table>
<thead>
<tr>
<th>DNEL/DMEL (additional information)</th>
<th>Not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Additional information</td>
<td>Not applicable</td>
</tr>
<tr>
<td>PNEC (additional information)</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### 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:
Ensure good ventilation of the work station. Before entering storage tanks and commencing any operation in a confined area (e.g. tunnels), check the atmosphere for oxygen content, presence of hydrogen sulphide (H2S) and SOx, and flammability. See also Section 16, "Other information".

Personal protective equipment (for industrial or professional use):

Hand protection:
When there is a risk of contact with the skin, use hydrocarbon-resistant, felt-lined gloves. 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.

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 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-slip safety shoes or boots, chemical resistant, if necessary heat resistant and insulated.

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 organic vapours. (EN 136/140/145). Combination filter device (DIN EN 141). Approved respiratory protection equipment shall be used in spaces where hydrogen sulphide may accumulate: full face mask with cartridge/filter type “B” (grey for inorganic vapours including H2S) or self-contained breathing apparatus (SCBA). (EN 136/140/145). 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)

Personal protective equipment symbol(s):

Thermal hazard protection:
None in normal use conditions.

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:
No special requirements necessary, if handled at room temperature.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Physical state | Liquid |
| Appearance     | Clear liquid. |
| Colour         | Red. |
| Odour          | Characteristic. |
| Odour threshold| No data available |
| pH             | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Melting point  | -54 °C (pour point) (ASTM D 97) |
| Freezing point | No data available |
| Boiling point  | No data available |
| Flash point    | 180 °C (ASTM D 92) |
| Auto-ignition temperature | No data available |
| Decomposition temperature | No data available |
Flammability (solid, gas) : Not applicable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : No data available
Density : 850 kg/m³ (15°C) (ASTM D 4052)
Solubility : This product is not soluble in water.
Log Pow : No data available
Viscosity, kinematic : 5.7 mm²/s (100°C); Viscosity, kinematic: > 20.5 mm²/s (40 °C) (ASTM D 445)
Viscosity, dynamic : No data available
Explosive properties : None (according to composition).
Oxidising properties : None (according to composition).
Explosive limits : No data available

9.2. Other information
Additional information : No data 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 (in normal conditions of storage and handling).

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. Avoid the build-up of electrostatic charge.

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 : Carbon dioxide, Carbon monoxide. In exceptional cases (i.e prolonged storage in tanks contaminated with water, and presence of anaerobic sulfate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S. See also Section 16, "Other information".

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)
Additional information : (according to composition)

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)
LD50 oral rat > 5000 mg/kg (OECD 401)
LD50 dermal rat > 5000 mg/kg (OECD 402)
LC50 inhalation rat (mg/l) > 5 mg/l/4h (OECD 403)

Mineral base oil, severely refined
LD50 oral rat ≥ 5000 mg/kg bodyweight (OECD 401)
LD50 dermal rat ≥ 5000 mg/kg bodyweight (OECD 402)
LC50 inhalation rat (mg/l) ≥ 5 mg/l/4h (OECD 403)

1-Decene, Dimer, Hydrogenated (68649-11-6)
LD50 oral rat > 5000 mg/kg
LD50 dermal rat > 3000 mg/kg
LC50 inhalation rat (mg/l) 1,17 mg/l/4h (Inhalable aerosol)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)
LD50 oral rat > 5000 mg/kg (OECD 401)
LD50 dermal rat > 5000 mg/kg (OECD 402)
LC50 inhalation rat (mg/l) > 5 mg/l/4h (OECD 403)
According to Regulation (EU) No. 830/2015

<table>
<thead>
<tr>
<th>Compound</th>
<th>LD50 oral rat</th>
<th>LD50 dermal rabbit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiophene, tetrahydro-1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich</td>
<td>10 ml/kg</td>
<td>4000 - 8000 mg/kg bodyweight</td>
</tr>
</tbody>
</table>

1-(tert-dodecylthio)propan-2-ol (67124-09-8)

| LD50 oral rat | 5000 mg/kg bodyweight |
| LD50 dermal rabbit | 2000 mg/kg bodyweight |

2,2’-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)

| LD50 oral rat | 1200 - 2000 mg/kg bodyweight |

Skin corrosion/irritation: Not classified (Based on available data, the classification criteria are not met)

Serious eye damage/irritation: Not classified (Based on available data, the classification criteria are not met)

Respiratory or skin sensitisation: Not classified (Based on available data, the classification criteria are not met)

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Additional information: Contains 1-(tert-dodecylthio)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts, Acetamide, 2-hydroxy-, N,N-dicocaoalkyl derivatives, 1,2-Propanediol, 3-amino-, N,N dicocaoalkyl derivatives, C14-18 alpha-olefin epoxide, reaction products with boric acid. May produce an allergic reaction.

This product contains components with a Specific Concentration Limit (SCL).

Additional information: All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3) This product contains also the following substances: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and; solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 °C. It contains a relatively large proportion of saturated hydrocarbons.;] Distillates (petroleum), hydrotreated light 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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

This product has a value of DMSO extract < 3 % wt, according to IP 346/92. 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.

Reproductive toxicity: Not classified (Based on available data, the classification criteria are not met)

Carcinogenicity: Not classified (Based on available data, the classification criteria are not met)

Germ cell mutagenicity: Not classified (Based on available data, the classification criteria are not met)

Additional information: All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3) This product contains also the following substances: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and; solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 °C. It contains a relatively large proportion of saturated hydrocarbons.;] Distillates (petroleum), hydrotreated light 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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

This product has a value of DMSO extract < 3 % wt, according to IP 346/92. 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.

STOT-single exposure: Not classified (Based on available data, the classification criteria are not met)

Additional information: All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3) This product contains also the following substances: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and; solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 °C. It contains a relatively large proportion of saturated hydrocarbons.;] Distillates (petroleum), hydrotreated light 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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

This product has a value of DMSO extract < 3 % wt, according to IP 346/92. 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.

STOT-repeated exposure: Not classified (Based on available data, the classification criteria are not met)

Additional information: All the mineral base oils contained in this product have a value < 3 % wt of DMSO extract, according to IP 346/92 (Nota L - Annex VI Reg (CE) 1272/2008, # 1.1.3) This product contains also the following substances: Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and; solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 °C. It contains a relatively large proportion of saturated hydrocarbons.;] Distillates (petroleum), hydrotreated light 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 C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]

This product has a value of DMSO extract < 3 % wt, according to IP 346/92. 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.
Eni Rotra ATF VI
Safety Data Sheet
According to Regulation (EU) No. 830/2015

Eni Rotra ATF VI
Viscosity, kinematic 5,7 mm²/s (100°C); Viscosity, kinematic: > 20,5 mm²/s (40 °C) (ASTM D 445)

Potential adverse human health effects and symptoms: Contact with eyes may cause temporary reddening and irritation. Prolonged and repeated skin contact may cause reddening, irritation and dermatitis, due to a defatting effect. May produce an allergic reaction.

Other information: None.

SECTION 12: Ecological information

12.1. Toxicity
Ecology - general: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. An uncontrolled release to the environment may 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. Notify authorities if product enters sewers or public waters.

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).

Acute aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

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

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)
LC50 fish 1 > 100 mg/l (LL 50)
EC50 Daphnia 1 > 10000 mg/l WAF, 48 h (OECD 202)

Mineral base oil, severely refined
LC50 fish 1 > 100 mg/l (LL 50)
EC50 Daphnia 1 > 10000 mg/l WAF, 48 h (OECD 202)

1-Decene, Dimer, Hydrogenated (68649-11-6)
LC50 fish 1 ≥ 1000 mg/l (96h, Oncorhynchus mykiss)
EC50 Daphnia 1 ≥ 1000 mg/l (48 h)
ErC50 (algae) ≥ 1000 mg/l (72 h, Scenedesmus capricornutum)
NOEC (chronic) = 125 mg/l (21 d, Daphnia magna)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)
LC50 fish 1 > 100 mg/l (LL 50)
EC50 Daphnia 1 > 10000 mg/l WAF, 48 h (OECD 202)

Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkyloxy) derivs., C10-rich (398141-87-2)
LC50 fish 1 2,4 mg/l
EC50 Daphnia 1 4,6 mg/l

1-(tert-dodecylthio)propan-2-ol (67124-09-8)
LC50 fish 1 750 μg/l
EC50 Daphnia 1 580 μg/l
EC50 96h algae (1) 100 mg/l

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl (imino) diethanol (1218787-32-6)
LC50 fish 1 0,1 mg/l (Brachydanio rerio)
EC50 Daphnia 1 0,043 mg/l (Daphnia Magna)
EC50 72h algae (1) 0,0538 mg/l (Pseudokirchneriella subcapitata)
NOEC chronic algae 0,0158 mg/l (Pseudokirchneriella subcapitata)

12.2. Persistence and degradability
Eni Rotra ATF VI
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.

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)
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.

Mineral base oil, severely refined
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.
1-Decene, Dimer, Hydrogenated (68649-11-6)
Persistence and degradability
Inherently biodegradable.

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)
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.

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)
Biodegradation
63 % (28 d, OECD TG 301 D)

12.3. Bioaccumulative potential

Eni Rotra ATF VI
Bioaccumulative potential
Not established.

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)
Log Kow
> 6

Thiophene, tetrahydro, 1,1-dioxide, 3-(C9-11 branched alkyl oxygen) derivs., C10-rich (398141-87-2)
Bioconcentration factor (BCF REACH)
27,54

1-(tert-dodecylthio)propan-2-ol (67124-09-6)
Log Kow
4,1

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol (1218787-32-6)
Bioconcentration factor (BCF REACH)
110,2

12.4. Mobility in soil

Eni Rotra ATF VI
Ecology - soil
No data available.

12.5. Results of PBT and vPvB assessment

Eni Rotra ATF VI
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

Component
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified (72623-87-1)
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
This substance/mixture does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)

1-Decene, Dimer, Hydrogenated (68649-11-6)
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
This substance/mixture does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)
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
This substance/mixture does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)

Mineral base oil, severely refined ()
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
This substance/mixture does not meet the criteria for classification as PBT or vPvB. The product should be considered prudentially as "Persistent" in the environment, according to the REACH Annex XIII criteria (point 1.1)

12.6. Other adverse effects

Other adverse effects
None.

Additional information
No other effects known

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)
Disposal must be done according to official regulations.

Waste treatment methods
Do not dispose of the product, either new or used, by 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 ADN / ADR / IATA / IMDG / RID

<table>
<thead>
<tr>
<th>ADR</th>
<th>IMDG</th>
<th>IATA</th>
<th>ADN</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.1</td>
<td>UN number</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.2</td>
<td>UN proper shipping name</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.3</td>
<td>Transport hazard class(es)</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.4</td>
<td>Packing group</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
<tr>
<td>14.5</td>
<td>Environmental hazards</td>
<td>Not regulated</td>
<td>Not regulated</td>
<td>Not regulated</td>
</tr>
</tbody>
</table>

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

IBC code: Not applicable.

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

- Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified - 1-(tert-dodecylthio)propan-2-ol - Benzene, polypropene derivatives, sulfonated, calcium salts - Acetamide, 2-hydroxy-, N,N-dicocoalkyl derivatives - 1,2-Propanediol, 3-amino-, N,N dicocoalkyl derivatives - 1-Decene, Dimer, Hydrogenated - C14-18 alpha-olefin epoxide, reaction products with boric acid

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008
### 3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1


### 3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

- Eni Rotra ATF VI - 1-(tert-dodecylthio)propan-2-ol - 1,2-Propanediol, 3-amino-, N,N dicocoalkyl derivatives - Thiophene, tetrahydro-, 1,1-dioxide, 3-[(C9-11 branched alkoxy) derivs., C10-rich - 2,2'-[(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

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

Contains no REACH Annex XIV substances

<table>
<thead>
<tr>
<th>Other information, restriction and prohibition regulations</th>
<th></th>
</tr>
</thead>
</table>

### 15.1.2. National regulations

**National adoption of EU Directives concerning health and safety on the workplace.**


National adoption of EU Directives concerning control of major-accident hazards involving dangerous substances (2012/18/CE).

**National regulations**

**France**

- Maladies professionnelles (F): RG 36 - Affections provoquées par les huiles et graisses d'origine minérale ou de synthèse

**Germany**

- Reference to AwSV: Water hazard class (WGK) (D) 1, low hazard to waters (Classification according to AwSV, Annex 1)
- WGK remark: Classification based on the components in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS)
- VbF class (D): Not applicable.
- Storage class (LGK) (D): LGK 10 - Combustible liquids

---

16/08/2018 EN (English) 14/16
Other information, restrictions and prohibition regulations

TRGS 900: Occupational Exposure Limits
TRGS 800: Fire protection measures
TRGS 555: Working instruction and information for workers
TRGS 402: Identification and Assessment of the Risks from Activities involving Hazardous Substances: Inhalation Exposure
TRGS 401: Risks resulting from skin contact - identification, assessment, measures
TRGS 400: Hazard assessment for activities involving Hazardous Substances

Netherlands
Waterbezwaarlijkheid: 8 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
9 - Harmful to aquatic organisms

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

NIET-limietvlie lijst van voor de voortplanting giftige stoffen – Borstvoeding: None of the components are listed

NIET-limietvlie lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid: None of the components are listed

NIET-limietvlie lijst van voor de voortplanting giftige stoffen – Ontwikkeling: None of the components are listed

Denmark
Danish National Regulations: Young people under 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with it

15.2. Chemical safety assessment

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

- Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, Baseoil - unspecified
- 1-(tert-dodecylthio)propan-2-ol
- Acetamide, 2-hydroxy-, N,N-dicocoalkyl derivatives
- 1,2-Propanediol, 3-amino-, N,N dicocoalkyl derivatives
- 1-Decene, Dimer, Hydrogenated
- Distillates (petroleum), hydrotreated light paraffinic
- Mineral base oil, severely refined
- C14-18 alpha-olefin epoxide, reaction products with boric acid
- Thiophene, tetrahydro-, 1,1-dioxide, 3-(C9-11 branched alkylxyloxy) derivs., C10-rich
- 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino) diethanol

SECTION 16: Other information

Indication of changes:
Composition/information on ingredients.

Abbreviations and acronyms:

<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/D</td>
<td>not available</td>
</tr>
<tr>
<td>N/A</td>
<td>not applicable</td>
</tr>
<tr>
<td>ADN</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways</td>
</tr>
<tr>
<td>ADR</td>
<td>European Agreement concerning the International Carriage of Dangerous Goods by Road</td>
</tr>
<tr>
<td>ATE</td>
<td>Acute Toxicity Estimate</td>
</tr>
<tr>
<td>BCF</td>
<td>Bioconcentration factor</td>
</tr>
<tr>
<td>CLP</td>
<td>Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008</td>
</tr>
<tr>
<td>DMEL</td>
<td>Derived Minimal Effect level</td>
</tr>
<tr>
<td>DNEL</td>
<td>Derived-No Effect Level</td>
</tr>
<tr>
<td>EC50</td>
<td>Effective concentration for 50 percent of test population (median effective concentration)</td>
</tr>
<tr>
<td>IARC</td>
<td>International Agency for Research on Cancer</td>
</tr>
<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
</tr>
<tr>
<td>IMDG</td>
<td>International Maritime Dangerous Goods</td>
</tr>
<tr>
<td>LC50</td>
<td>Lethal concentration for 50 percent of test population (median lethal concentration)</td>
</tr>
<tr>
<td>LD50</td>
<td>Lethal dose for 50 percent of test population (median lethal dose)</td>
</tr>
<tr>
<td>LOAEL</td>
<td>Lowest Observed Adverse Effect Level</td>
</tr>
<tr>
<td>NOAEC</td>
<td>No-Observed Adverse Effect Concentration</td>
</tr>
<tr>
<td>NOAEL</td>
<td>No-Observed Adverse Effect Level</td>
</tr>
</tbody>
</table>
Eni Rotra ATF VI
Safety Data Sheet

According to Regulation (EU) No. 830/2015

<table>
<thead>
<tr>
<th>NOEC</th>
<th>No-Observed Effect Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>OECD</td>
<td>Organisation for Economic Co-operation and Development</td>
</tr>
<tr>
<td>PBT</td>
<td>Persistent Bioaccumulative Toxic</td>
</tr>
<tr>
<td>PNEC</td>
<td>Predicted No-Effect Concentration</td>
</tr>
<tr>
<td>RID</td>
<td>Regulation concerning the International Carriage of Dangerous Goods by Railways</td>
</tr>
<tr>
<td>SDS</td>
<td>Safety Data Sheet</td>
</tr>
<tr>
<td>STP</td>
<td>Sewage treatment plant</td>
</tr>
<tr>
<td>vPvB</td>
<td>Very Persistent and Very Bioaccumulative</td>
</tr>
</tbody>
</table>

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. In exceptional cases (i.e prolonged storage in tanks contaminated with water, and presence of anaerobic sulfate-reducing microbial colonies), the product may undergo a degradation and generate small amounts of sulfur compounds, including H2S. This situation is especially relevant in all those circumstances which require to enter a confined space, with direct exposure to the vapours. If there is any suspicion of inhalation of H2S (hydrogen sulphide), Rescuers must wear breathing apparatus, belt and safety rope, and follow rescue procedures. Send patient to hospital. Immediately begin artificial respiration if breathing has ceased. Administer oxygen if necessary. This situation is especially relevant for those operations which involve direct exposure to the vapours in the interior of tanks or other confined spaces. If this possibility is suspected, a specific assessment of inhalation risks from the presence of H2S in confined spaces must be made, to help determine prevention measures and controls (i.e. PPE) appropriate to local circumstances, and adequate emergency procedures.

Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Inhalation: dust,mist)</th>
<th>Acute toxicity (inhalation:dust,mist) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral), Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 1</td>
<td>Hazardous to the aquatic environment — Acute Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 1</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 3</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 3</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage/eye irritation, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Skin Corr. 1C</td>
<td>Skin corrosion/irritation, Category 1C</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitisation, category 1</td>
</tr>
<tr>
<td>Skin Sens. 1B</td>
<td>Skin sensitisation, category 1B</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage.</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage.</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled.</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life.</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>H412</td>
<td>Harmful to aquatic life with long lasting effects.</td>
</tr>
<tr>
<td>EUH208</td>
<td>Contains 1-(t-undecylenyl)propan-2-ol, Benzene, polypropene derivatives, sulfonated, calcium salts, Acetamide, 2-hydroxy-, N,N-dicocoalkyl derivatives, 1,2-Propanediol, 3-amo, N,N dicocoalkyl derivatives, C14-18 alpha-olefin epoxde, reaction products with boric acid. May produce an allergic reaction.</td>
</tr>
</tbody>
</table>

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Aquatic Chronic 3 | H412 | Calculation method |

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

16/08/2018 EN (English)