



# AGIP Novecento 15W-50

## Safety Data Sheet

SDS EU format according to COMMISSION REGULATION (EU) 2020/878  
Revision date: 25/07/2022 Supersedes: 10/05/2022 Version: 4.0

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

#### 1.1. Product identifier

|                 |                         |
|-----------------|-------------------------|
| Product form    | : Mixture               |
| Trade name      | : AGIP Novecento 15W-50 |
| Product code    | : 1903                  |
| Type of product | : Lubricants            |
| Formula         | : 0027-2016             |
| 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 | : Wide dispersive use<br>Used in closed systems   |
| Use of the substance/mixture     | : Lubricant for internal combustion engines<br>-----<br>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 Rom, ITALY, Tel. +39 06 59821, [www.eni.com](http://www.eni.com)  
Competent person responsible for the safety data sheet (Reg. EC nr. 1907/2006): [SDSInfo@eni.com](mailto:SDSInfo@eni.com)

Distributed by: Eni Schmiertechnik GmbH, Paradiesstraße 14, 97080 Würzburg, GERMANY, [www.enischmiertechnik.de](http://www.enischmiertechnik.de)  
Department responsible for information: Application Engineering & Product Management (AEPM), Tel. +49 (0)931-900 98-0  
e-mail: [technik.wuerzburg@eni.com](mailto:technik.wuerzburg@eni.com)

#### 1.4. Emergency telephone number

|                  |   |
|------------------|---|
| Emergency number | : CNIT +39 0382 24444 (24h) (IT + EN)<br><br>Poison centre (UK):<br>National Poisons Information Service Edinburgh (24h)<br>(+44) 844 892 0111<br>0870 600 6266 (UK only)<br>(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]

Not classified

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

None to be reported, according to the present EU regulations. 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]

|                |  |
|----------------|--|
| EUH-statements | : EUH210 - Safety data sheet available on request. |
|----------------|--|

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### 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. In case of contact with eyes, this product may cause irritation. If the product is handled or used at high temperature, contact with hot product or vapours may cause burns. 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. See Section 16.

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), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  |
| Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)                   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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 heavy paraffinic (64742-54-7)                      | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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) |
| Calcium carbonate (471-34-1)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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) |
| Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts                             | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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) |
| Component  |  |
| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated(101316-72-7)  | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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  |
| Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)                       | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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  |

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|   |   |
|---|---|
| Distillates (petroleum), solvent-refined light paraffinic(64741-89-5) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 |
| Distillates (petroleum), hydrotreated heavy paraffinic(64742-54-7 )   | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 |
| Calcium carbonate(471-34-1)   | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 |
| Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts          | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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 |

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

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

| Name   | Product identifier  | %         | Classification according to Regulation (EC) No. 1272/2008 [EU-GHS / CLP] |
|--|---|-----------|--|
| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (see note [**], see note [***]) | (CAS-No.) 101316-72-7<br>(EC-No.) 309-877-7<br>(EC Index-No.) 649-530-00-X<br>(REACH-no) 01-2119489969-06 | 80 - 90   | Not classified   |
| Distillates (petroleum) hydrotreated light paraffinic (see note [**], see note [***])                      | (CAS-No.) 64742-55-8<br>(EC-No.) 265-158-7<br>(EC Index-No.) 649-468-00-3<br>(REACH-no) 01-2119487077-29  | 0,9 – 1,8 | Asp. Tox. 1, H304  |
| Distillates (petroleum), solvent-refined light paraffinic (see note [**], see note [***])                  | (CAS-No.) 64741-89-5<br>(EC-No.) 265-091-3<br>(EC Index-No.) 649-455-00-2<br>(REACH-no) 01-2119487067-30  | 0,9 – 1,8 | Asp. Tox. 1, H304  |
| Mineral base oil, severely refined<br>(For identification of the substance, see note [*] , see note [***]) | (EC-No.) N/A  | 1 - 2     | Not classified   |
| Distillates (petroleum), hydrotreated heavy paraffinic (see note [**], see note [***])                     | (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  | 2 - 5     | Asp. Tox. 1, H304  |
| Calcium carbonate<br>(see note [****])   | (CAS-No.) 471-34-1<br>(EC-No.) 207-439-9<br>(EC Index-No.) N/A<br>(REACH-no) 01-2119486795-18-0059        | 0,4 – 0,5 | Not classified   |

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|  |   |           |                |
|--|---|-----------|----------------|
| Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts<br>(Additive, see note [*****]) | (EC-No.) 939-603-7<br>(REACH-no) 01-2119978241-36 | 0,1 - 0,3 | Not classified |
|--|---|-----------|----------------|

|       |  |
|-------|--|
| Notes | : [*] Note: this product contains small amounts of severely refined mineral base oil (not classified as hazardous). The identity has not been specified by the original supplier. This substance has a value < 3 % wt of DMSO extract, according to IP 346 (Note L - Annex VI Reg (EC) 1272/2008, # 1.1.3)<br>Note [**]:<br>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.<br>Note [***]:<br>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)<br>Note [****]:<br>substance with national workplace exposure limit(s)<br>Note [*****]:<br>Total Base Number (TBN): > 300 mgKOH/g (ASTM D 2896)<br>More detailed information: See section 11. |
|-------|--|

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures after inhalation   | : In case of disturbances owing to inhalation of vapours or mists, remove the victim from exposure; keep at rest; if necessary, seek medical attention. See also section 4.3.   |
| First-aid measures after skin contact | : Take off contaminated clothing and shoes. Wash thoroughly 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. Do not put ice on the burn.   |
| First-aid measures after eye contact  | : Rinse eyes thoroughly for at least 15 minutes. Keep eyelids well apart. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation, blurred vision or swelling occurs and persists, obtain medical advice from a specialist. 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    | : Do NOT induce vomiting. If the person is conscious, rinse mouth with water without swallowing. Keep at rest. Call for medical assistance or bring to an hospital. If the casualty is unconscious, place in the recovery position. In case of spontaneous vomiting, keep head low, to avoid the risk of aspiration into the lungs. Do not give anything by mouth to an unconscious person.   |

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

|  |   |
|--|---|
| Symptoms/effects after inhalation                | : This product has a low vapour pressure, and in normal conditions at ambient temperature the concentration in the air is negligible. A significant concentration may build up only if the product is used at high temperature, or in case of sprays and mists. In these cases overexposure to vapours may cause irritation to airways, nausea and dizziness. |
| Symptoms/effects after skin contact              | : Contact with hot product may cause thermal burns.   |
| Symptoms/effects after eye contact               | : Contact with eyes may cause 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.  |

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### 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. If there is any suspicion of inhalation of H<sub>2</sub>S (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. 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                                 | : The vapours are flammable and may form explosive mixtures with air. Heat may build pressure in tank and containers, rupturing closed vessels, spreading fire and increasing risk of burns and injuries.  |
| 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, NO <sub>x</sub> , H <sub>2</sub> S and SO <sub>x</sub> (harmful/toxic gases). Oxygenated compounds (aldehydes, etc.). PO <sub>x</sub> . ZnO <sub>x</sub> . CaO <sub>x</sub> . |

### 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 | : 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, flares). 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. |

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### 6.1.2. For emergency responders

#### Protective equipment

: 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 gloves providing adequate chemical resistance, specifically to aromatic hydrocarbons. Gloves made of PVA are not water-resistant, and are not suitable for emergency use. If contact with hot product is possible or anticipated, gloves should be heat-resistant and thermally insulated. Antistatic non-skid safety shoes or boots, chemical resistant, if necessary heat resistant and insulated. Work helmet. 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 (A) (or A+B when applicable for H<sub>2</sub>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.

#### 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. 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. See also Section 16, "Other information".

#### Handling temperature

: This product can be handled at ambient temperatures.

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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    | : Keep away from: strong oxidants.  |
| Storage temperature      | : This product can be stored at ambient temperatures.   |
| 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.   |

### 7.3. Specific end use(s)

No information available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7) |  |
|--|--|
| 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]  | 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)  |
| Spain - Occupational Exposure Limits   |  |
| VLA-ED (OEL TWA) [1]   | 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)  |
| KTV (OEL STEL)   | 3 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |



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### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

#### United Kingdom - Occupational Exposure Limits

|                       |  |
|-----------------------|--|
| WEL TWA (OEL TWA) [1] | 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 OEL TWA  | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| ACGIH OEL STEL | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### Distillates (petroleum), hydrotreated heavy paraffinic (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] | 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) |
|---------------------------------|---|

#### Spain - Occupational Exposure Limits

|                             |  |
|-----------------------------|--|
| VLA-ED (OEL TWA) [1]        | 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) |
| KTV (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) [1] | 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 OEL TWA  | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| ACGIH OEL STEL | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

### Mineral base oil, severely refined

#### 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] | 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) |



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|  |  |
|--|--|
| <b>Mineral base oil, severely refined</b>            |  |
| <b>Hungary - Occupational Exposure Limits</b>        |  |
| AK (OEL TWA)   | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| <b>Netherlands - Occupational Exposure Limits</b>    |  |
| 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)  |
| <b>Spain - Occupational Exposure Limits</b>          |  |
| VLA-ED (OEL TWA) [1]                                 | 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) |
| <b>Sweden - Occupational Exposure Limits</b>         |  |
| NGV (OEL TWA)  | 1 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| KTV (OEL STEL)                                       | 3 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| <b>United Kingdom - Occupational Exposure Limits</b> |  |
| WEL TWA (OEL TWA) [1]                                | 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) |
| <b>USA - ACGIH - Occupational Exposure Limits</b>    |  |
| ACGIH OEL TWA  | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m)  |
| ACGIH OEL STEL                                       | 10 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |

|  |                                       |
|--|---------------------------------------|
| <b>Calcium carbonate (471-34-1)</b>                  |                                       |
| <b>France - Occupational Exposure Limits</b>         |                                       |
| VLE [mg/m <sup>3</sup> ]                             | 10 mg/m <sup>3</sup> (Inhalable dust) |
| <b>Hungary - Occupational Exposure Limits</b>        |                                       |
| AK (OEL TWA)   | 10 mg/m <sup>3</sup> (Inhalable dust) |
| <b>Ireland - Occupational Exposure Limits</b>        |                                       |
| OEL TWA [1]  | 10 mg/m <sup>3</sup> (Inhalable dust) |
| <b>Latvia - Occupational Exposure Limits</b>         |                                       |
| OEL TWA  | 6 mg/m <sup>3</sup>                   |
| <b>Poland - Occupational Exposure Limits</b>         |                                       |
| NDS (OEL TWA)  | 10 mg/m <sup>3</sup>                  |
| <b>United Kingdom - Occupational Exposure Limits</b> |                                       |
| WEL TWA (OEL TWA) [1]                                | 4 mg/m <sup>3</sup> (Respirable dust) |
| <b>Switzerland - Occupational Exposure Limits</b>    |                                       |
| MAK (OEL TWA) [1]                                    | 3 mg/m <sup>3</sup> (Respirable dust) |

|   |   |
|---|---|
| <b>Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)</b> |   |
| <b>Austria - Occupational Exposure Limits</b>                             |   |
| MAK (OEL TWA)   | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
| <b>Belgium - Occupational Exposure Limits</b>                             |   |
| OEL TWA   | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
| <b>Denmark - Occupational Exposure Limits</b>                             |   |
| OEL TWA [1]   | 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) |

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### Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)

#### 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) |
|---------------------------------|---|

#### Spain - Occupational Exposure Limits

|                      |   |
|----------------------|---|
| VLA-ED (OEL TWA) [1] | 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) |
|---------------|---|

|                |   |
|----------------|---|
| KTV (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) [1] | 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 OEL TWA | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------------|---|

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

### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

#### 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] | 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) |
|---------------------------------|---|

#### Spain - Occupational Exposure Limits

|                      |   |
|----------------------|---|
| VLA-ED (OEL TWA) [1] | 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) |
|---------------|---|

|                |   |
|----------------|---|
| KTV (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) [1] | 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 OEL TWA | 5 mg/m <sup>3</sup> (Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
|---------------|---|

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

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### 8.1.2. 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. |

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

| AGIP Novecento 15W-50              |                |
|------------------------------------|----------------|
| DNEL/DMEL (additional information) |                |
| Additional information             | Not applicable |
| PNEC (additional information)      |                |
| Additional information             | Not applicable |

### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

| DNEL/DMEL (Workers)                      |                           |
|--|---------------------------|
| Long-term - systemic effects, dermal     | 1 mg/kg bodyweight/day    |
| Long-term - systemic effects, inhalation | 2,7 mg/m <sup>3</sup>     |
| Long-term - local effects, inhalation    | 5,4 mg/m <sup>3</sup>     |
| DNEL/DMEL (General population)           |                           |
| Long-term - systemic effects, oral       | 0,74 mg/kg bodyweight/day |
| PNEC (Oral)                              |                           |
| PNEC oral (secondary poisoning)          | 9,33 mg/kg food           |

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

| DNEL/DMEL (Workers)                      |  |
|--|--|
| Long-term - systemic effects, dermal     | 1 mg/kg bodyweight/day   |
| Long-term - systemic effects, inhalation | 2,7 mg/m <sup>3</sup>  |
| Long-term - local effects, inhalation    | 5,6 mg/m <sup>3</sup>  |
| DNEL/DMEL (General population)           |  |
| Long-term - systemic effects, oral       | 0,74 mg/kg bodyweight/day  |
| Long-term - local effects, inhalation    | 1,2 mg/m <sup>3</sup> /day (DNEL, Mineral base oil mist, severely refined, DMSO extract <3% m/m) |
| PNEC (Oral)                              |  |
| PNEC oral (secondary poisoning)          | 9,33 mg/kg food  |

### Calcium carbonate (471-34-1)

| DNEL/DMEL (Workers)                   |                          |
|---------------------------------------|--------------------------|
| Long-term - local effects, inhalation | 6,36 mg/m <sup>3</sup>   |
| DNEL/DMEL (General population)        |                          |
| Acute - systemic effects, oral        | 6,1 mg/kg bodyweight     |
| Long-term - systemic effects, oral    | 6,1 mg/kg bodyweight/day |
| Long-term - local effects, inhalation | 1,06 mg/m <sup>3</sup>   |

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| PNEC (STP)                  |          |
|-----------------------------|----------|
| PNEC sewage treatment plant | 100 mg/l |

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

#### DNEL/DMEL (Workers)

|  |                         |
|--|-------------------------|
| Acute - local effects, dermal            | 1,04 mg/cm <sup>2</sup> |
| Long-term - systemic effects, dermal     | 25 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 35,26 mg/m <sup>3</sup> |

#### DNEL/DMEL (General population)

|  |                           |
|--|---------------------------|
| Acute - local effects, dermal            | 0,518 mg/cm <sup>2</sup>  |
| Long-term - systemic effects, oral       | 2,5 mg/kg bodyweight/day  |
| Long-term - systemic effects, inhalation | 8,7 mg/m <sup>3</sup>     |
| Long-term - systemic effects, dermal     | 12,5 mg/kg bodyweight/day |

#### PNEC (Water)

|                                      |          |
|--------------------------------------|----------|
| PNEC aqua (freshwater)               | 0,1 mg/l |
| PNEC aqua (marine water)             | 0,1 mg/l |
| PNEC aqua (intermittent, freshwater) | 1 mg/l   |

#### PNEC (Sediment)

|                              |                 |
|------------------------------|-----------------|
| PNEC sediment (freshwater)   | 45211 mg/kg dwt |
| PNEC sediment (marine water) | 45211 mg/kg dwt |

#### PNEC (Soil)

|           |                 |
|-----------|-----------------|
| PNEC soil | 47025 mg/kg dwt |
|-----------|-----------------|

#### PNEC (STP)

|                             |           |
|-----------------------------|-----------|
| PNEC sewage treatment plant | 1000 mg/l |
|-----------------------------|-----------|

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.

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. 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, carry out an adequate clean-up, and check the atmosphere for oxygen content, flammability, and the presence of sulphur compounds. See also Section 16, "Other information".

#### 8.2.2. Personal protection equipment

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

Face shield. Gloves. Protective clothing. Safety glasses. Safety shoes or boots. High gas/vapour concentration: gas mask with filter for organic vapours (A) or organic vapours/H<sub>2</sub>S (A+B).

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### Personal protective equipment symbol(s):



#### 8.2.2.1. 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.

#### 8.2.2.2. 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 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.

#### 8.2.2.3. 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: in presence of oil mists and if the product is handled without adequate containment means: use full or half-face masks with filter for mists/aerosols. In case there is a significant presence of vapours (e.g. through handling at high temperature), use full or half-face masks with filter for hydrocarbon vapours. (EN 136/140/145). Combined gas/dust mask with filter type: EN 14387. 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). 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 H<sub>2</sub>S) or self-contained breathing apparatus (SCBA). (EN 136/140/145)

#### 8.2.2.4. Thermal hazards

##### Thermal hazard protection:

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

#### 8.2.3. Environmental exposure controls

##### Environmental exposure controls:

Do not discharge the product into the environment. 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. Onsite wastewater treatment required. Do not apply industrial sludge to natural soils. Sludge should be incinerated, contained or reclaimed.

##### 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   |
| Colour          | : Yellow-brown.  |
| Appearance      | : Liquid, bright & clear.  |
| Odour           | : Slight odour of petroleum.   |
| Odour threshold | : Lack of data (on mixture / components of the mixture) - Data not available |

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|                                  |  |
|----------------------------------|--|
| Melting point                    | : -27 °C (pour point) (ASTM D 97)  |
| Freezing point                   | : ≈ 0 °C (CAS 101316-72-7)   |
| Boiling point                    | : > 250 °C (CAS 101316-72-7)   |
| Flammability                     | : Not applicable   |
| Explosive properties             | : None (according to composition).   |
| Oxidising properties             | : None (according to composition).   |
| Explosive limits                 | : Lack of data (on mixture / components of the mixture) - Data not available<br>Not determined |
| Lower explosive limit (LEL)      | : Not determined   |
| Upper explosive limit (UEL)      | : Not determined   |
| Flash point                      | : 205 °C (ASTM D 92)   |
| Auto-ignition temperature        | : > 300 °C (CAS 101316-72-7)   |
| Decomposition temperature        | : Lack of data (on mixture / components of the mixture) - Data not available                   |
| pH                               | : Lack of data (on mixture / components of the mixture) - Data not available                   |
| Viscosity, kinematic             | : 145 mm <sup>2</sup> /s (40 °C) (ASTM D 445)  |
| Viscosity, dynamic               | : 6800 mPa.s (-20°C) (ASTM D 5293)   |
| Solubility                       | : Water: Immiscible and insoluble  |
| Log Kow                          | : Not applicable for mixtures  |
| Log Pow                          | : Not applicable for mixtures  |
| Vapour pressure                  | : < 0,1 hPa (20°C)   |
| Vapour pressure at 50 °C         | : Lack of data (on mixture / components of the mixture) - Data not available                   |
| Density                          | : 875 kg/m <sup>3</sup> (15 °C) (ASTM D 4052)  |
| Relative density                 | : Lack of data (on mixture / components of the mixture) - Data not available                   |
| Relative vapour density at 20 °C | : Lack of data (on mixture / components of the mixture) - Data not available                   |
| Particle size                    | : Not applicable   |
| Particle size distribution       | : Not applicable   |
| Particle shape                   | : Not applicable   |
| Particle aspect ratio            | : Not applicable   |
| Particle aggregation state       | : Not applicable   |
| Particle agglomeration state     | : Not applicable   |
| Particle specific surface area   | : Not applicable   |
| Particle dustiness               | : Not applicable   |

## 9.2. Other information

### 9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

|  |                     |
|--|---------------------|
| Relative evaporation rate (butylacetate=1) | : Negligible.       |
| 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.

### 10.5. Incompatible materials

Strong oxidants.

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### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates : Toxic fumes. 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 H<sub>2</sub>S. See also Section 16, "Other information".

## 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) |
| 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), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                       |   |
|-----------------------|---|
| LD50 oral rat         | > 5000 mg/kg (API 1982a, OECD 420)  |
| LD50 dermal rabbit    | > 5000 mg/kg bodyweight (API 1986b, OECD 403)   |
| LC50 Inhalation - Rat | ≤ 5,53 mg/l/4h (API 1987, Exxon Biomedical Sciences, Inc. 1988, BioResearch Laboratories, Ltd. 1984 - OECD 403) |

#### Distillates (petroleum), hydrotreated heavy paraffinic (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)  |

#### 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 | > 5 mg/l/4h (OECD 403)             |

#### Calcium carbonate (471-34-1)

|                       |                       |
|-----------------------|-----------------------|
| LD50 oral rat         | 2000 mg/kg bodyweight |
| LD50 dermal rat       | 2000 mg/kg bodyweight |
| LC50 Inhalation - Rat | 3 mg/l/4h             |

#### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|                       |  |
|-----------------------|--|
| LD50 oral rat         | > 5000 mg/kg bodyweight ((Sanitised, F. (1989), OECD Guideline 401)) |
| LD50 dermal rat       | > 2000 mg/kg bodyweight ((Sanitised, G. (1989), OECD Guideline 402)) |
| LC50 Inhalation - Rat | > 1,9 mg/l/4h ((Hoffman, G.M. (1986), EPA OPP 81-3))                 |

#### Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)

|                 |                         |
|-----------------|-------------------------|
| LD50 oral rat   | > 5000 mg/kg (OECD 401) |
| LD50 dermal rat | > 5000 mg/kg (OECD 402) |

#### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|               |                         |
|---------------|-------------------------|
| LD50 oral rat | > 5000 mg/kg (OECD 401) |
|---------------|-------------------------|



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

|                                   |   |
|-----------------------------------|---|
| Skin corrosion/irritation         | : Not classified (Based on available data, the classification criteria are not met)<br>pH: Lack of data (on mixture / components of the mixture) - Data not available   |
| Additional information            | : (according to composition)  |
| Serious eye damage/irritation     | : Not classified (Based on available data, the classification criteria are not met)<br>pH: Lack of data (on mixture / components of the mixture) - Data not available   |
| Additional information            | : (according to composition)  |
| Respiratory or skin sensitisation | : Not classified (Based on available data, the classification criteria are not met)   |
| Additional information            | : (according to composition)<br>This product is formulated with a component containing calcium sulphonate (sensitizer).<br>The component has been tested by the manufacturer and has been exempted from the classification as sensitizer.<br>Total Base Number (TBN): > 300 mgKOH/g (ASTM D 2896)<br>On basis of test data: not sensitising.  |
| 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)<br>This product contains : Lubricating oils (petroleum), C24-50, solvent-extd, dewaxed, hydrogenated; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C24 through C50 and produces a finished oil with a viscosity in the order of 16cSt to 75cSt at 40 °C (104 °F).], 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.]<br>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.<br>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)<br>No carcinogenic effect |
| 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)  |

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|                                 |                       |
|---------------------------------|-----------------------|
| NOAEL (dermal, rat/rabbit)      | 2500 mg/kg bodyweight |
| NOAEC (inhalation, rat, vapour) | 881,58 mg/m³          |

|                        |   |
|------------------------|---|
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Additional information | : (according to composition)  |

### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                                     |  |
|-------------------------------------|--|
| LOAEL (oral, rat, 90 days)          | 125 mg/kg bodyweight/day (Mobil 1990 - OECD TG 408)  |
| LOAEL (dermal, rat/rabbit, 90 days) | 100 mg/kg bodyweight/day (mouse, Chasey, K.L. and McKee, R.H. 1993 - OECD 453)                                 |
| NOAEL (dermal, rat/rabbit, 90 days) | 1000 – 2000 mg/kg bodyweight/day (API 1986, Mobil Environmental and Health Science Laboratory 1983 - OECD 410) |

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|  |  |
|--|--|
| NOAEC (inhalation, rat, vapour, 90 days) | 220 – 1500 mg/m <sup>3</sup> (Exxon Biomedical Sciences, Inc. 1991, Dalbey W, Osimitz T, Kommineni C, Roy T, Feuston M and Yang J 1991 - OECD 412) |
|--|--|

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

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

### Mineral base oil, severely refined

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

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|  |   |
|--|---|
| NOAEL (dermal, rat/rabbit, 90 days)          | > 1000 (OECD Guideline 410)                 |
| NOAEL (subacute, oral, animal/male, 28 days) | > 500 mg/kg bodyweight (OECD Guideline 407) |

### Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)

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

### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|                            |  |
|----------------------------|--|
| 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)<br>Viscosity, kinematic: > 20,5 mm <sup>2</sup> /s (40 °C) (ASTM D 445) |

### AGIP Novecento 15W-50

|                      |   |
|----------------------|---|
| Viscosity, kinematic | 145 mm <sup>2</sup> /s (40 °C) (ASTM D 445) |
|----------------------|---|

## 11.2. Information on other hazards

### 11.2.1. 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 is 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 % |
|--|--|

### 11.2.2 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 (soil, underground, surface water bodies, aquifers). Handle according to general working hygiene practices to avoid pollution and release into the environment. |
| Ecology - air  | : This product has a low vapour pressure. A significant exposure may happen only if the product is used at high temperature, or in case of sprays and mists.  |
| 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)   |

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Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)

### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                        |   |
|------------------------|---|
| LC50 fish 1            | > 100 mg/l (LL 50, Exxon 1995 - OECD 203)                                       |
| EC50 Daphnia 1         | > 10000 mg/l (WAF, 48 h, Shell 1988 - OECD 202)                                 |
| NOEC (acute)           | ≥ 100 mg/l (Pseudokirchneriella subcapitata, 72h, OECD 201 - Petro-Canada 2008) |
| NOEC chronic fish      | ≥ 1000 mg/l (Oncorhynchus mykiss, NOELR, 14d - QSAR, Redman, A. et al. 2010)    |
| NOEC chronic crustacea | ≥ 1000 mg/l (21d, OECD 211 - Shell 1994)  |

### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|                        |                       |
|------------------------|-----------------------|
| LC50 fish 1            | > 100 mg/l            |
| EC50 Daphnia 1         | > 100 mg/l (OECD 202) |
| ErC50 (algae)          | > 100 mg/l (72h)      |
| NOEC chronic fish      | > 1 mg/l              |
| NOEC chronic crustacea | > 1 mg/l              |

### Mineral base oil, severely refined

|                |                                   |
|----------------|-----------------------------------|
| LC50 fish 1    | > 100 mg/l (LL 50)                |
| EC50 Daphnia 1 | > 10000 mg/l WAF, 48 h (OECD 202) |

### Calcium carbonate (471-34-1)

|                      |         |
|----------------------|---------|
| EC50 72h - Algae [1] | 14 mg/l |
|----------------------|---------|

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|                      |   |
|----------------------|---|
| LC50 fish 1          | ≥ 100 mg/l LL50/96h, OECD 203 (WAF) (Read-across) - Oncorhynchus mykiss - Goodband, T.J. (2005a)                |
| LC50 fish 2          | ≥ 10000 mg/l LL50/96h, OECD 203 (WAF) (Read-across) - Cyprinodon variegatus - Nicholson, R.B. (1986)            |
| EC50 Daphnia 1       | ≥ 1000 mg/l EC50/48h, EPA OTS 797.1300 (WAF) (Read-across) - Ward, T.J. (1993)                                  |
| EC50 72h - Algae [1] | ≥ 100 mg/l LL50/96h, OECD 201 (WAF) (Read-across) - Scenedesmus subspicatus - Mead, C. (2005)                   |
| ErC50 (algae)        | ≥ 1000 mg/l EC50/72h, EPA OTS 797.1050 (WAF) (Read-across) - Pseudokirchnerella subcapitata - Ward, T.J. (1994) |

### Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)

|                      |   |
|----------------------|---|
| LC50 fish 1          | 100 – 10000 mg/l (LL 50)                        |
| EC50 Daphnia 1       | > 10000 mg/l WAF, 48 h (OECD 202)               |
| EC50 72h - Algae [1] | 100 mg/l (EL0, Pseudokirchneriella subcapitata) |
| NOEC (chronic)       | 10 – 1000 mg/l (NOELR, Daphnia Magna)           |
| NOEC chronic algae   | 100 mg/l (72h, Pseudokirchneriella subcapitata) |

### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|                |                                   |
|----------------|-----------------------------------|
| LC50 fish 1    | > 100 mg/l (LL 50)                |
| EC50 Daphnia 1 | > 10000 mg/l WAF, 48 h (OECD 202) |

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### 12.2. Persistence and degradability

#### AGIP Novecento 15W-50

|                               |  |
|-------------------------------|--|
| 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), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                               |  |
|-------------------------------|--|
| 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. |
|-------------------------------|--|

#### Distillates (petroleum), hydrotreated heavy paraffinic (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. |
|-------------------------------|--|

#### 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. |
|-------------------------------|--|

#### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|                               |                                  |
|-------------------------------|----------------------------------|
| Persistence and degradability | Not readily biodegradable.       |
| Biodegradation                | 8 % (28d - OECD Guideline 301 D) |

#### 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. |
| Biodegradation                | < 60 % (28d)   |

#### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|                               |  |
|-------------------------------|--|
| 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. |
| Biodegradation                | 31 % (28d, Exxon 1995)   |

### 12.3. Bioaccumulative potential

#### AGIP Novecento 15W-50

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

#### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                           |   |
|---------------------------|---|
| Bioaccumulative potential | The test methods for this endpoint are not applicable to UVCB substances. |
|---------------------------|---|

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### Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)

|         |       |
|---------|-------|
| Log Pow | 2 – 6 |
|---------|-------|

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|            |  |
|------------|--|
| BCF fish 1 | 70,8 (L/Kg w/w)                        |
| Log Pow    | 6,91                                   |
| Log Kow    | 8 (OECD Guideline 107 (EU Method A.8)) |

### Distillates (petroleum) hydrotreated light paraffinic (64742-55-8)

|         |     |
|---------|-----|
| Log Kow | < 1 |
|---------|-----|

### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|                           |   |
|---------------------------|---|
| Bioaccumulative potential | The test methods for this endpoint are not applicable to UVCB substances. |
|---------------------------|---|

### 12.4. Mobility in soil

#### AGIP Novecento 15W-50

|                  |                    |
|------------------|--------------------|
| Mobility in soil | Not determined     |
| Ecology - soil   | No data available. |

### Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7)

|                |   |
|----------------|---|
| Ecology - soil | This product is not soluble in water. It floats on water and forms a film on the surface. |
|----------------|---|

### Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts

|         |  |
|---------|--|
| Log Koc | 15,65 – 15,75 (QSAR, Chemservice S.A. (2013a)) |
|---------|--|

### Distillates (petroleum), solvent-refined light paraffinic (64741-89-5)

|                |   |
|----------------|---|
| Ecology - soil | This product is not soluble in water. It floats on water and forms a film on the surface. |
|----------------|---|

### 12.5. Results of PBT and vPvB assessment

#### AGIP Novecento 15W-50

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

|                                |   |
|--------------------------------|---|
| Results of PBT-vPvB assessment | The components in this formulation do 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) |
|--------------------------------|---|

#### Component

|  |  |
|--|--|
| Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated (101316-72-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII  |

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|  |  |
|--|--|
| Distillates (petroleum), solvent-refined light paraffinic (64741-89-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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 heavy paraffinic (64742-54-7 )   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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) |
| Calcium carbonate (471-34-1)   | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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) |
| Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts           | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII<br>This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII<br>This substance 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. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties

: Endocrine disrupting properties (Article 57(f) — environment): 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 is 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  
Additional information

: None  
: 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

|  |   |
|--|---|
| 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.  |
| Sewage disposal recommendations            | : Do not apply industrial sludge to natural soils. Dispose of in a safe manner in accordance with local/national regulations. 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. |
| Additional information                     | : Empty containers may contain combustible product residues. Do not cut, weld, drill, burn or incinerate empty containers or drums, unless they have been cleaned, and declared safe.   |
| 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

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

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:

| Reference code | Applicable on  | Entry title or description  |
|----------------|--|---|
| 3(b)           | Distillates (petroleum), hydrotreated heavy paraffinic ; Distillates (petroleum) hydrotreated light paraffinic ; Distillates (petroleum), solvent-refined light paraffinic | 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 classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10 |

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

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants



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Other information, restriction and prohibition regulations

: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). (et sequens). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (et sequens). Directives 89/391/CEE, 89/654/CEE, 89/655/CEE, 89/656/CEE, 90/269/CEE, 90/270/CEE, 90/394/CEE, 90/679/CEE, 93/88/CEE, 95/63/CE, 97/42/CE, 98/24/CE, 99/38/CE, 99/92/CE, 2001/45/CE, 2003/10/CE, 2003/18/CE (Health and safety on the workplace). Directive 2012/18/CE (Control of major-accident hazards involving dangerous substances). Directive 2004/42/CE (Limitation of emissions of Volatile Organic Compounds). Directive 98/24/EC (protection of the health and safety of workers from the risks related to chemical agents at work). Directive 92/85/CE (measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding). Substances Depleting the Ozone layer (1005/2009) - Annex I Substances (ODP). Regulation EU (649/2012) - Export and Import of hazardous chemicals (PIC). Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

### 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).

Relevant national laws on prevention of water pollution.

Relevant national laws on protection of the health of pregnant workers (National adoption of Dir. 92/85/EEC).

National adoption of Directive 2008/98/CE concerning disposal of used oils.

#### Finland

Finnish National Regulations : Occupational Safety and Health Act No. 738/2002.

#### 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 ArbSchG in the case of formation of hazardous substances have to be observed.

Water hazard class (WGK) (D) : WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)

WGK remark : Classification is carried out on the basis of the Ordinance on facilities for handling substances that are hazardous to water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV)) of 18 April 2017 (BGBl 2017, Teil I, Nr. 22, Seite 905).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

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 900: Occupational Exposure Limits  
TRGS 800: Fire protection measures

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

VbF class (D) : Not applicable.

#### 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 – : None of the components are listed

Vruchtbaarheid

SZW-lijst van reprotoxische 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

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### Norway

Norwegian National Regulations

: Working Environment Act (LOV-2005-06-17 NO. 62).  
People under the age of 18 may not work with this product at all.

### Sweden

Swedish National Regulations

: This product is in compliance with Ordinance 1998:944.  
Work Environment Act (1977: 1160).  
Chemical Hazards in the Working Environment (AFS 2011:19).

## 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  
Distillates (petroleum) hydrotreated light paraffinic  
Distillates (petroleum), solvent-refined light paraffinic  
Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated

## SECTION 16: Other information

### Indication of changes:

| Section | Changed item                           | Change   | Notes |
|---------|--|----------|-------|
|         | Supersedes                             | Modified |       |
|         | Date of issue                          | Modified |       |
|         | Version                                | Modified |       |
| 3       | Composition/information on ingredients | Modified |       |

### Abbreviations and acronyms:

|       |   |
|-------|---|
|       | Complete text of the H phrases quoted in this Safety Data Sheet. These phrases are reported here for information only, and MAY NOT correspond to the classification of the product. |
|       | N/D = not available   |
|       | N/A = not applicable  |
| 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  |

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|       |  |
|-------|--|
| 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. 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 H <sub>2</sub> S. This situation is especially relevant in all those circumstances which require to enter a confined space, with direct exposure to the vapours. If this possibility is suspected, a specific assessment of inhalation risks from the presence of H <sub>2</sub> S in confined spaces must be made, to help determine prevention measures and controls (i.e. PPE) appropriate to local circumstances, and adequate emergency procedures. 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 there is any suspicion of inhalation of H <sub>2</sub> S (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. Therefore, it is very important to follow the above mentioned precautionary measures also with used oils. |

### Full text of H- and EUH-statements:

|             |   |
|-------------|---|
| Asp. Tox. 1 | Aspiration hazard, Category 1                 |
| H304        | May be fatal if swallowed and enters airways. |
| EUH210      | Safety data sheet available on request.       |

Safety Data Sheet (SDS), EU

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.