



**Part I**  
**SAFETY DATA SHEET**  
**MAXIGEAR EP 75W-85**

Dated December 13, 2014 and numbered 29204, "Ministry of Environment and Urbanization Regarding Hazardous Substances and Mixtures  
It has been arranged in accordance with the provisions of the Regulation on Safety Data Sheets.

**PART 1: Identity of the substance / mixture and company / distributor**

**1.1. Substance / Mixture identity**

Name of the product MAXIGEAR EP 75W-85

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

Industrial oil

**Uses not recommended** Use only for the intended purpose.

**1.3. Information of the safety data sheet supplier**

**Supplier** PETROL OFİSİ A.Ş.  
Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar / İstanbul Tel: +90 850 339 1919  
Fax: +90 216 275 3854  
miningiyag@petrolofisi.com.tr

**Contact person** Customer Service: mineiyag@petrolofisi.com.tr

**1.4. Emergency phone number**

**Emergency phone number** Mineral Oil Customer Service: 0850 339 1919 (office hours)

**National emergency phone** National Poison Information Center (UZEM): 114 Emergency Health Services: 112

**SECTION 2: Hazards identification**

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

**Classification TC 28848**

**Physical damages** Not classified as harmful  
**Health hazards** Eye Irrit. 2- H319 Skin Sensitive. 1- H317 Not  
**Environmental damages** classified as hazardous

**2.2. Label elements**

**Hazard sign**



**Warning word**

Attention

**Hazard Statements**

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

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|--------------------------|---|
| Precautionary statements | Avoid breathing P261 vapor / spray.   |
|                          | P264 Wash contaminated skin thoroughly after handling. P272 Do not take contaminated clothing out of the workplace.   |
|                          | P280 Wear protective gloves / protective clothing / eye protection / face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338 IF IN EYE CONTACT: Rinse cautiously with water for a few minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Special attention required (see medical advice on label). |
|                          | P333 + P313 If skin irritation or itching occurs: Get medical attention / attention. P337 + P313 If eye irritation persists: Get medical advice / attention.  |
|                          | P362 + P364 Take off contaminated clothing and wash before reuse. P501 Dispose of contents / container in accordance with national regulations.   |

|          |   |
|----------|---|
| Contents | Polysulfides, di-tert-butyl, 4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, diphosphorus pentaoxide esterified and salted with amines, C12-14-tert-alkyl reaction products, Magnesium metaborate, 2-Ethylhexyl methacrylate |
|----------|---|

**2.3. Other damages**

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

|  |                      |  |        |
|--|----------------------|--|--------|
| Distillates (petroleum), hydrogen treated heavy paraffinic base oil  |                      |  | 60-80% |
| CAS number: 64742-54-7   | EC number: 265-157-1 | REACH registration number:<br>012119484627-25-0065 |        |
| Classification<br>Asp. Full. 1- H304   |                      |  |        |
| Polysulfides, di-tert-butyl  |                      |  | 1-5%   |
| CAS number: 68937-96-2   | EC number: 273-103-3 |  |        |
| Classification<br>Skin Sensitive. 1B- H317<br>Aquatic Chronic 3- H412  |                      |  |        |
| Paraffin oils  |                      |  | 1-5%   |
| CAS number: -<br><br>Mineral oil in this material can be identified by one or more of the following CAS Numbers: 6474254-7, 64742-65-0, 64742-55-8 and 64742-56-9. |                      |  |        |
| Classification<br>Asp. Full. 1- H304   |                      |  |        |

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|--|----------------------|
| <b>4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, diphosphorus pentaoxide esterified and salted with amines, C12-14ter-alkyl reaction products</b>   | <b>1-5%</b>          |
| CAS number: -  | EC number: 931-384-6 |
| <b>Classification</b><br>Acute Tox. 4- H302 Eye<br>Dam. 1- H318<br>Skin Sensitive. 1B- H317<br>Aquatic Chronic 2- H411   |                      |
| <b>Magnesium metaborate</b>  | <b>&lt;1%</b>        |
| CAS number: -  |                      |
| <b>Classification</b><br>Skin Sensitive. 1B- H317  |                      |
| <b>O, O, O-triphenyl phosphorothioate</b>  | <b>&lt;1%</b>        |
| CAS number: 597-82-0   | EC number: 209-909-9 |
| <b>Classification</b><br>Repr. Fog. Full. 2- H361  |                      |
| <b>2-Ethylhexyl methacrylate</b>   | <b>&lt;1%</b>        |
| CAS number: 688-84-6   | EC number: 211-708-6 |
| Note A: Without prejudice to Article 17 (2), the name of the substance must appear on the label as one of the names given in section 3, sometimes a general description such as 'compounds of ...' or salts of ... ". In this case, the supplier must indicate the correct name on the label according to section 1.1.1.4. |                      |
| <b>Classification</b><br>Skin Irrit. 2- H315 Eye<br>Irrit. 2- H319<br>Skin Sensitive. 1B- H317 BHOT<br>Single Mrz. 3- H335 Aquatic<br>Chronic 3- H412  |                      |

The full text of the hazard statements is given in Section 16.

**Reviews on the composition** DMSO contents of some substances are classified by the manufacturer as <3% according to IP 346.

**Content notes** See Section 8 for occupational exposure limits.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

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|---------------------------------------|---|
| <b>General information</b>            | Emergency first aid is mandatory. Seek medical help immediately. Bring the exposed person to fresh air and keep them warm and at rest in a position where they can breathe comfortably.   |
| <b>Breathing</b>                      | Bring the exposed person to fresh air and keep them warm and at rest in a position where they can breathe comfortably. Seek medical help. Artificial respiration and / or oxygen may be required.   |
| <b>Swallowing</b>                     | Rinse mouth thoroughly with water. Remove any dentures. Provide fresh air, warmth and, if possible, sit comfortably upright and rest. If the material has been swallowed and the victim is conscious, give small amounts of water to drink. Stop vomiting if the victim feels unwell, as vomiting can be dangerous. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. If symptoms are severe or persistent, seek medical attention. Never give anything by mouth to an unconscious person. If the victim is unconscious, place in a recovery position and seek immediate medical attention. Keep airways clear. Loosen tight parts of clothing such as a collar, tie or belt. |
| <b>Skin contact</b>                   | If any discomfort occurs, seek medical advice immediately. Take off contaminated clothing and wash before reuse. In case of contact, the skin should be washed with plenty of water for at least 15 minutes.  |
| <b>Eye contact</b>                    | Immediately flush eyes with plenty of water for at least 15 minutes. Open and close the eyelids occasionally during the washing process.  |
| <b>First aid workers preservation</b> | First aid personnel should wear appropriate protective equipment during rescue. Performing mouth-to-mouth respiration can be dangerous for first aid personnel.   |

**4.2. Most important symptoms and effects, both acute and delayed General**

|                     |  |
|---------------------|--|
| <b>information</b>  | See Section 11 for additional information on health hazards. |
| <b>Breathing</b>    | There are no specific symptoms known.                        |
| <b>Swallowing</b>   | There are no specific symptoms known.                        |
| <b>Skin contact</b> | There are no specific symptoms known.                        |
| <b>Eye contact</b>  | There are no specific symptoms known.                        |

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

|  |   |
|--|---|
| <b>Information to be given to the doctor</b> | The effect of decomposition products that may be released during fire may be delayed. The exposed person may need to be under medical observation for 48 hours. |
| <b>Special treatments</b>                    | Treat symptomatically.  |

**SECTION 5: Firefighting measures**

**5.1. Fire extinguishers**

|   |   |
|---|---|
| <b>Suitable extinguishing agents</b>      | Use a suitable extinguishing agent to extinguish the fire. Using water jet may be |
| <b>Unsuitable extinguisher substances</b> | inconvenient.   |

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

Not known.

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|                             |   |
|-----------------------------|---|
| Harmful combustion products | Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). A complex mixture of airborne solids, liquids and gases can be released. Irritating vapors and smoke due to incomplete combustion. |
|-----------------------------|---|

### 5.3. Advice for firefighters

|   |   |
|---|---|
| <b>During fire fighting</b><br><b>preservative to be taken</b><br><b>measures</b> | Clear the area. Without proper training or in any action involving personal danger should not be found. |
|---|---|

|  |   |
|--|---|
| <b>For firefighters</b><br><b>special protective equipment</b> | Positive pressure self-contained breathing apparatus and suitable protective clothing<br>get dressed. |
|--|---|

## SECTION 6: Accidental release measures

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

|                      |  |
|----------------------|--|
| Personal precautions | Make sure procedures and emergency training are in place for on-site cleaning and disposal. Be aware that floors and other surfaces can be slippery in case of spillage. |
|----------------------|--|

|  |   |
|--|---|
| Emergency personnel<br>for those who are not | Necessary precautions should be taken so that personnel who do not have proper training do not interfere. |
|--|---|

|                                 |   |
|---------------------------------|---|
| <b>For emergency responders</b> | Stop the source of the leak if it can be done without risk. Limit the spill to prevent further contamination of the soil, surface or underground water. Clean up the spilled material as soon as possible, following the precautions in the Exposure Controls / Personal Protection section. Use non-flammable absorbent materials or appropriate techniques such as pumping. Whenever possible or see fit, dig out the contaminated soil from the area. Place contaminated items in disposable containers and dispose of them in accordance with regulations. In the event of a spill of heated substance, allow it to cool before handling by disposal methods. |
|---------------------------------|---|

### 6.2. Environmental measures

|                        |  |
|------------------------|--|
| Environmental measures | Apply appropriate protective measures to prevent spilled material from entering water sources, watercourses, drains, soil. The product contains a substance that is very toxic to aquatic organisms. The release of large quantities to nature may cause environmental pollution. The environmental authority must be notified for all significant spills. If the product reaches the water or sewage system, inform the relevant authorities. |
|------------------------|--|

### 6.3. Methods and materials for containment and cleaning

|                              |   |
|------------------------------|---|
| <b>Spill removal methods</b> | Provide adequate ventilation. Remove all sources of flame from the environment. Small<br>For spills: Stop leak if not at risk. Remove sources of leak from area. Absorb with inert dry material and place in a suitable waste disposal container. Dispose through a licensed waste disposal contractor. Large spills: Stop leak if not at risk. Remove sources of leak from area. Approach with the wind behind you. Prevent from entering drains, water sources, basements or confined areas. Wash the spillage in a waste water treatment plant or proceed as follows. Collect spills with non-flammable, absorbent material and store in packaging according to legal regulations. Dispose of via a licensed waste disposer. Contaminated absorbent material may present hazard similar to spilled product. Inform authorities in case of large spillages. |
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**6.4. Reference to other sections**

|                                    |   |
|------------------------------------|---|
| <b>Reference to other sections</b> | See Section 1 for emergency contact information. For personal protection see section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13. |
|------------------------------------|---|

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

|                          |  |
|--------------------------|--|
| <b>Usage precautions</b> | Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Do not swallow. It should not be flushed with the mouth. Avoid contact with skin, eyes and clothing. Do not breathe dust or mist. Avoid release to the environment. Store only in the original packaging or an alternative packaging that has been approved to be compatible with the material, keep containers closed when not in use. Product residues left in emptied containers can be dangerous. Do not reuse empty containers. |
|--------------------------|--|

|   |  |
|---|--|
| <b>Advice on general occupational hygiene</b> | Avoid breathing the vapor / mist of the product. Proper ventilation should be provided in the areas where the product is used. Do not eat, drink or smoke anything while using this product. Eye wash units and emergency shower facilities should be available when working with this product. Wash contaminated skin thoroughly after handling. Take off immediately all contaminated clothing and wash before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene procedures should be followed. |
|---|--|

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

|                         |   |
|-------------------------|---|
| <b>Storage measures</b> | Store in accordance with local regulations. Keep only in the original container in a cool, well-ventilated place. Protect from freezing and direct sunlight. Keep away from incompatible materials (see Chapter 10). Containers that have been opened must be handled carefully and kept upright to prevent leakage. Do not store in unlabeled containers. Store in a way that prevents release to the environment. |
|-------------------------|---|

|                      |                 |
|----------------------|-----------------|
| <b>Storage class</b> | Not applicable. |
|----------------------|-----------------|

**7.3. Specific end use (s)**

|                             |   |
|-----------------------------|---|
| <b>Specific end use (s)</b> | The identified uses for this product are detailed in Section 1.2. It should be used as specified in the |
|-----------------------------|---|

|                           |                     |
|---------------------------|---------------------|
| <b>Directions for use</b> | product data sheet. |
|---------------------------|---------------------|

**SECTION 8: Exposure Controls / personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

No other information is available.

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

There is no suitable information.

|                      |                                    |
|----------------------|------------------------------------|
| <b>Content notes</b> | No other information is available. |
|----------------------|------------------------------------|

|                                |                                    |
|--------------------------------|------------------------------------|
| <b>Biological limit values</b> | No other information is available. |
|--------------------------------|------------------------------------|

|             |                                    |
|-------------|------------------------------------|
| <b>DNEL</b> | No other information is available. |
|-------------|------------------------------------|

|             |                                    |
|-------------|------------------------------------|
| <b>DMEL</b> | No other information is available. |
|-------------|------------------------------------|

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|                                |   |
|--------------------------------|---|
| <b>Content notes</b>           | There is no suitable information.   |
| <b>Biological limit values</b> | There is no suitable information.   |
| <b>DNEL</b>                    | Staff - Breathing; Long term systemic effects: 2.7 (8h) mg / m <sup>3</sup> Workers - Inhalation;<br>Long term local effects: 5.4 (8h) mg / m <sup>3</sup> Consumer - Inhalation; Long term local<br>effects: 1,2 (24h) mg / m <sup>3</sup> Consumer - Oral; Long term systemic effects: 0.74 (24h)<br>mg / kg / day Workers - Dermal; Long term systemic effects: 1.0 (8h) mg / kg |
| <b>DMEL</b>                    | There is no suitable information.   |
| <b>PNEC</b>                    | There is no suitable information.   |

**8.2. Exposure controls Protective**

**equipment**



**Proper engineering controls**

Since the product contains components with exposure limits; If dust, smoke, gas, vapor or fog is generated during use, the process area, local exhaust ventilation or other technical controls must be applied to keep worker exposure below legal or recommended limits. There should be adequate general ventilation to control workers' exposure to air pollution.

**Personal protection**

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Keep away from foodstuffs, food and drink. Instantly remove contaminated and impregnated clothing. Wash hands during breaks and after work. Store protective equipment separately.

**Eye / Face protection**

Under normal conditions, eye protection equipment is not required. Wear goggles with side lenses for safe work when there is a risk of splashing. If this material is heated, use chemical goggles, goggles or a face shield. (EN 166)

**Hand protection**

Protective gloves: Nitrile gloves should have a minimum thickness of 0.4 mm and the expected contact time is 480 minutes, depending on the frequency of contact during use. or less. This information does not replace conformity tests performed by the end user. Because the protection of the glove may vary depending on the usage conditions of the product. Follow good industrial hygiene rules.

**Other skin and body protection**

Avoid contact with skin. Personal protective equipment for the body should be selected depending on the work being done and this risk, and approved by a specialist before using this product.

**Health measures**

Good personal hygiene procedures should be followed. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash units and emergency shower facilities should be available when working with this product.

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| <b>Respiratory system preservation</b> | If there is potential to exceed exposure limits, wear appropriate respiratory protection. Select respirator according to suitability to ensure adequate worker safety for given working conditions and airborne contaminant level. Seek professional advice prior to gas mask selection and use.  |
| <b>Thermal damages</b>                 | If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be used. All personal protective equipment must be suitable for use at low temperatures if there is a risk of contact with refrigerated products.   |
| <b>Environmental exposure controls</b> | Compliance of ventilation emissions and work process equipment with environmental protection legislation requirements should be checked. In some cases, technical changes to fume cleaners, filters or process equipment are required to reduce emissions to acceptable levels. Store in a confined area with a bund to prevent leakage into drains and / or water sources. Containers should be kept tightly sealed when not in use. |

**SECTION 9: Physical and Chemical Properties**

**9.1. Information on basic physical and chemical properties Appearance**

|   |  |
|---|--|
|   | Liquid.  |
| <b>Color</b>  | Yellowish.                                     |
| <b>Smell</b>  | Characteristic.                                |
| <b>Odor threshold</b>                                 | Required information is not available.         |
| <b>pH</b>   | Scientifically unjustified.                    |
| <b>Melting point / freezing point</b>                 | $\geq -36^{\circ}\text{C}$                     |
| <b>Initial boiling point and boiling range</b>        | Insufficient data.                             |
| <b>Flash point</b>                                    | $\geq 220^{\circ}\text{C}$ Cleveland open cup. |
| <b>Evaporation rate</b>                               | Insufficient data.                             |
| <b>Evaporation factor</b>                             | Insufficient data.                             |
| <b>Flammability (solid, gas)</b>                      | Insufficient data.                             |
| <b>Upper / Lower flammability or explosive limits</b> | Insufficient data.                             |
| <b>Other flammability</b>                             | Insufficient data.                             |
| <b>Vapor pressure</b>                                 | Insufficient data.                             |
| <b>Vapor density</b>                                  | Insufficient data.                             |
| <b>Relative density</b>                               | Insufficient data.                             |
| <b>Volumetric density</b>                             | $\sim 0.86\text{ g / ml}$                      |
| <b>Resolution (s)</b>                                 | Insufficient data.                             |



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|---|--|
| <b>Partition coefficient</b>                      | Insufficient data.                                       |
| <b>Self ignition</b><br>temperature               | Insufficient data.                                       |
| <b>Decomposition temperature</b>                  | Insufficient data.                                       |
| <b>Viscosity</b>                                  | Kinematic viscosity> 20.5 mm <sup>2</sup> / s. It is not |
| <b>Explosive properties</b>                       | considered explosive. No data available.                 |
| <b>Explosive under the influence<br/>of flame</b> |  |
| <b>Oxidizing properties</b>                       | Not known.   |
| <b>Descriptions</b>                               | No other information is available.                       |
| <b>9.2. Other informations</b>                    |  |
| <b>Other informations</b>                         | Required information is not available.                   |
| <b>Refractive index</b>                           | Insufficient data.                                       |
| <b>Particle size</b>                              | Insufficient data.                                       |
| <b>Molecular weight</b>                           | Insufficient data.                                       |
| <b>Volatility</b>                                 | Insufficient data.                                       |
| <b>Saturation concentration</b>                   | Insufficient data.                                       |
| <b>Critical temperature</b>                       | Insufficient data.                                       |
| <b>Volatile organic compound</b>                  | Insufficient data.                                       |

**SECTION 10: Stability and reactivity**

**10.1. Reaction**

**Reaction** There is no specific test data on the available reactivity of this product or its ingredients.

**10.2. Chemical stability**

**Stability** This substance is considered stable under normal environmental conditions and under the prescribed storage and handling conditions.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Hazardous reaction will not occur under normal conditions of storage and use.

**10.4. Conditions to avoid** **Conditions to avoid** Keep away from heat, sparks and open flames. Static electricity and sparks must be prevented.

**10.5. Incompatible materials** **Materials to avoid** Strong acids. Strong alkalis. Strong oxidizing agents.

**10.6. Hazardous decomposition products**

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|---|---|
| <b>Hazardous decomposition products</b> | Smoke, carbon monoxide, carbon dioxide, irritating vapors and other incomplete combustion products may be released as a result of thermal decomposition or combustion. In the event of thermal decomposition or burning, carbon oxides and other toxic gases and vapors may be released. Sulphides Sulfur oxides Mercaptans. Phosphorus oxides. |
|---|---|

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects Toxic**

|                |   |
|----------------|---|
| <b>effects</b> | Causes serious eye irritation. Skin Sensitive. = Skin sensitization |
|----------------|---|

|                             |                                    |
|-----------------------------|------------------------------------|
| <b>Other health effects</b> | No other information is available. |
|-----------------------------|------------------------------------|

**Acute toxicity - oral Summary**

|                                     |   |
|-------------------------------------|---|
| <b>Notes (oral LD<sub>50</sub>)</b> | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
|-------------------------------------|---|

|                           |           |
|---------------------------|-----------|
| <b>ATE oral (mg / kg)</b> | 38.461,54 |
|---------------------------|-----------|

**Acute toxicity - dermal Summary**

|                                       |   |
|---------------------------------------|---|
| <b>Notes (dermal LD<sub>50</sub>)</b> | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
|---------------------------------------|---|

**Acute toxicity - inhalation**

|                |   |
|----------------|---|
| <b>Summary</b> | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
|----------------|---|

**Skin corrosion / irritation**

|                                    |   |
|------------------------------------|---|
| <b>Summary</b>                     | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
| <b>Skin corrosion / irritation</b> | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |

**Animal data**

|                                      |  |
|--------------------------------------|--|
| <b>Human skin model test Extreme</b> | classification criteria are not met. Based on available data, the classification criteria are not met. |
| <b>pH</b>                            | criteria are not met.  |

**Serious eye damage / irritation**

|  |  |
|--|--|
| <b>Summary</b>                         | May cause serious eye irritation. Causes eye irritation. |
| <b>Serious eye damage / irritation</b> |  |

**Respiratory sensitization**

|  |   |
|--|---|
| <b>Summary</b>                         | Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. |
| <b>Respiratory tract sensitization</b> |   |

**Skin sensitization**

|                |   |
|----------------|---|
| <b>Summary</b> | Skin Sensitive. = Skin sensitization Skin |
|----------------|---|

|                           |                    |
|---------------------------|--------------------|
| <b>Skin sensitization</b> | Sensitive. 1- H317 |
|---------------------------|--------------------|

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**Germ cell mutagenicity**

|                         |   |
|-------------------------|---|
| Summary                 | Based on available data, the classification criteria are not met. Based on        |
| Genotoxicity - in vitro | available data, the classification criteria are not met. Based on available data, |
| Genotoxicity - in vivo  | the classification criteria are not met.  |

**Carcinogenicity**

|                                   |   |
|-----------------------------------|---|
| Summary                           | Based on available data, the classification criteria are not met. Based on  |
| Carcinogenicity                   | available data, the classification criteria are not met. There are no known |
| Target for carcinogenicity organs | specific target organs.   |
| IARC carcinogenicity              | Not listed.   |
| NTP carcinogenicity               | Not listed.   |

**Reproductive toxicity**

|  |  |
|--|--|
| Summary                                    | Based on available data, the classification criteria are not met. Based on |
| Reproductive system toxicity fertility     | available data, the classification criteria are not met.                   |
| Reproductive system toxicity developmental | Based on available data, the classification criteria are not met.          |

**Specific target organ toxicity - single exposure Summary**

|                       |   |
|-----------------------|---|
|                       | Based on available data, the classification criteria are not met. |
| BHOT- single exposure | Based on available data, the classification criteria are not met. |
| Target organs         | There are no known specific target organs.                        |

**Specific target organ toxicity - repeated exposure Summary**

|                         |   |
|-------------------------|---|
|                         | Based on available data, the classification criteria are not met. |
| BHOT- repeated exposure | Based on available data, the classification criteria are not met. |
| Target organs           | There are no known specific target organs.                        |

**Aspiration hazard**

|                   |  |
|-------------------|--|
| Summary           | Based on available data, the classification criteria are not met. Based on |
| Aspiration hazard | available data, the classification criteria are not met.                   |

**Toxicokinetics**

|                     |   |
|---------------------|---|
| General information | Based on available data, the classification criteria are not met. Based on            |
| Breathing           | available data, the classification criteria are not met. Based on available data, the |
| Swallowing          | classification criteria are not met.  |
| Contact with skin   | May cause skin sensitization and allergic reactions in sensitive individuals.         |

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|   |   |
|---|---|
| <b>Eye contact</b>                      | May cause serious eye irritation.                                 |
| <b>Acute and chronic health hazards</b> | Based on available data, the classification criteria are not met. |
| <b>Contact ways</b>                     | Based on available data, the classification criteria are not met. |
| <b>Target organs</b>                    | Based on available data, the classification criteria are not met. |
| <b>Medical symptoms</b>                 | Based on available data, the classification criteria are not met. |
| <b>Medical opinions</b>                 | Based on available data, the classification criteria are not met. |

**Toxicological information on ingredients**

---

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

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|   |   |
|---|---|
| <b>Toxic effects</b>                          | The information given is based on the data of the components and similar products. Required information |
| <b>Other health effects</b>                   | is not available.   |
| <b><u>Acute toxicity - oral Summary</u></b>   |   |
|   | Based on available data, the classification criteria are not met. LD <sub>50</sub> > 5000               |
| <b>Notes (oral LD<sub>50</sub>)</b>           | (OECD 401) / API 1982a mg / kg, Oral, Rat   |
| <b><u>Acute toxicity - dermal Summary</u></b> |   |
|   | Based on available data, the classification criteria are not met. LD <sub>50</sub> > 5000               |
| <b>Notes (dermal LD<sub>50</sub>)</b>         | (OECD 402) / API 1982a mg / kg, Dermal, Rabbit  |
| <b><u>Acute toxicity - inhalation</u></b>     |   |
| <b>Summary</b>                                | Based on available data, the classification criteria are not met.                                       |
| <b>Notes (inhalation LC<sub>50</sub>)</b>     | LC50, 4h 5.53 (OECD 403) / Exxon Biomedical Sciences, Inc. (1988a) mg / l, Inhalation, Rat              |
| <b><u>Skin corrosion / irritation</u></b>     |   |
| <b>Summary</b>                                | Based on available data, the classification criteria are not met. Based on                              |
| <b>Skin corrosion / irritation</b>            | available data, the classification criteria are not met. Based on available data,                       |
| <b>Animal data</b>                            | the classification criteria are not met. Based on available data, the                                   |
| <b>Human skin model test</b>                  | classification criteria are not met. Based on available data, the classification                        |
| <b>Excessive pH</b>                           | criteria are not met.   |
| <b><u>Serious eye damage / irritation</u></b> |   |
| <b>Summary</b>                                | Based on available data, the classification criteria are not met. Based on                              |
| <b>Serious eye damage / irritation</b>        | available data, the classification criteria are not met.  |
| <b><u>Respiratory sensitization</u></b>       |   |
| <b>Summary</b>                                | Based on available data, the classification criteria are not met.                                       |

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|  |   |
|--|---|
| <b>Respiratory tract sensitization</b>                                   | Based on available data, the classification criteria are not met.                 |
| <b><u>Skin sensitization</u></b>   |   |
| Summary  | Based on available data, the classification criteria are not met. Based on        |
| <b>Skin sensitization</b>  | available data, the classification criteria are not met.                          |
| <b><u>Germ cell mutagenicity</u></b>                                     |   |
| Summary  | Based on available data, the classification criteria are not met. Based on        |
| <b>Genotoxicity - in vitro</b>   | available data, the classification criteria are not met. Based on available data, |
| <b>Genotoxicity - in vivo</b>  | the classification criteria are not met.  |
| <b><u>Carcinogenicity</u></b>  |   |
| Summary  | Based on available data, the classification criteria are not met. Based on        |
| <b>Carcinogenicity</b>   | available data, the classification criteria are not met. There are no known       |
| <b>Target for carcinogenicity organs</b>                                 | specific target organs.   |
| <b>IARC carcinogenicity</b>  | Not listed.   |
| <b>NTP carcinogenicity</b>   | Not listed.   |
| <b><u>Reproductive toxicity</u></b>                                      |   |
| Summary  | Based on available data, the classification criteria are not met.                 |
| <b>Reproductive system toxicity fertility</b>                            | Based on available data, the classification criteria are not met.                 |
| <b>Reproductive system toxicity developmental</b>                        | Based on available data, the classification criteria are not met.                 |
| <b><u>Specific target organ toxicity - single exposure Summary</u></b>   |   |
|  | Based on available data, the classification criteria are not met.                 |
| <b>BHOT- single exposure</b>   | Based on available data, the classification criteria are not met.                 |
| <b>Target organs</b>   | There are no known specific target organs.  |
| <b><u>Specific target organ toxicity - repeated exposure Summary</u></b> |   |
|  | Based on available data, the classification criteria are not met.                 |
| <b>BHOT- repeated exposure stay</b>                                      | Based on available data, the classification criteria are not met.                 |
| <b>Target organs</b>   | There are no known specific target organs.  |
| <b><u>Aspiration hazard</u></b>  |   |
| Summary  | In case of inhalation, slight irritation of the respiratory tract may occur.      |

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|                          |  |
|--------------------------|--|
| <b>Aspiration hazard</b> | Fatal if it enters the respiratory tract and is swallowed. |
|--------------------------|--|

|                       |  |
|-----------------------|--|
| <b>Toxicokinetics</b> | Required information is not available. |
|-----------------------|--|

|                            |  |
|----------------------------|--|
| <b>General information</b> | Required information is not available. |
|----------------------------|--|

|                  |  |
|------------------|--|
| <b>Breathing</b> | Required information is not available. |
|------------------|--|

|                   |  |
|-------------------|--|
| <b>Swallowing</b> | Required information is not available. |
|-------------------|--|

|                          |  |
|--------------------------|--|
| <b>Contact with skin</b> | Required information is not available. |
|--------------------------|--|

|                    |  |
|--------------------|--|
| <b>Eye contact</b> | Required information is not available. |
|--------------------|--|

|   |  |
|---|--|
| <b>Acute and chronic health hazards</b> | Required information is not available. |
|---|--|

|                     |  |
|---------------------|--|
| <b>Contact ways</b> | Required information is not available. |
|---------------------|--|

|                      |   |
|----------------------|---|
| <b>Target organs</b> | There are no known specific target organs. Required |
|----------------------|---|

|                         |                               |
|-------------------------|-------------------------------|
| <b>Medical symptoms</b> | information is not available. |
|-------------------------|-------------------------------|

|                         |  |
|-------------------------|--|
| <b>Medical opinions</b> | Required information is not available. |
|-------------------------|--|

**Polysulfides, di-tert-butyl**

**Skin sensitization**

|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Skin sensitization</b> | May cause an allergic skin reaction. |
|---------------------------|--------------------------------------|

**Paraffin oils**

**Skin sensitization**

|                           |  |
|---------------------------|--|
| <b>Skin sensitization</b> | Classification: Not allergic to skin. (Cross-reading) (Supplier information) |
|---------------------------|--|

**Specific target organ toxicity - single exposure**

|                              |   |
|------------------------------|---|
| <b>BHOT- single exposure</b> | If the material is misted or vapors are generated by heating, exposure may cause irritation to mucous membranes and upper respiratory tract. (Supplier information) |
|------------------------------|---|

**Aspiration hazard**

|                          |  |
|--------------------------|--|
| <b>Aspiration hazard</b> | Material may cause aspiration in the lungs during the swallowing or vomiting process. (Supplier information) |
|--------------------------|--|

**4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, diphosphorus pentaoxide esterified and salted with amines,**

**C12-14-tert-alkyl reaction products**

**Acute toxicity - oral ATE**

|                       |       |
|-----------------------|-------|
| <b>oral (mg / kg)</b> | 500,0 |
|-----------------------|-------|

**Skin sensitization**

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|  |  |
|--|--|
| <b>Skin sensitization</b>  | Skin Sensitive. 1B- H317   |
| <b><u>Germ cell mutagenicity</u></b>                             |  |
| <b>Genotoxicity - in vitro</b>                                   | This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier information)  |
| <b><u>Reproductive toxicity</u></b>                              |  |
| <b>Summary</b>   | There is no test data showing that this product is toxic to the reproductive system.   |
| <b><u>Specific target organ toxicity - repeated exposure</u></b> |  |
| <b>BHOT- repeated exposure stay</b>                              | This material was used in a 28-day oral gavage study in rats (OECD 407).<br>It has been evaluated. Among the treatment-related effects, microscopic changes were seen in the adrenal glands of male and female rats and kidneys of male rats at 150 and 500 mg / kg / day. The NOAEL for this study was 150 mg / kg / day. |

**Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol**

|  |   |
|--|---|
| <b><u>Skin sensitization</u></b>                 |   |
| <b>Skin sensitization</b>                        | Classification: Not allergic to skin. (Cross-reading) (Supplier information)  |
| <b><u>Germ cell mutagenicity</u></b>             |   |
| <b>Genotoxicity - in vitro</b>                   | This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier data)  |
| <b><u>O, O, O-triphenyl phosphorothioate</u></b> |   |
| <b><u>Skin sensitization</u></b>                 |   |
| <b>Skin sensitization</b>                        | Classification: Not allergic to skin. (Cross-reading) (Supplier information)  |
| <b><u>Germ cell mutagenicity</u></b>             |   |
| <b>Genotoxicity - in vitro</b>                   | This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier data)  |
| <b><u>Reproductive toxicity</u></b>              |   |
| <b>Summary</b>                                   | May damage fertility. (Supplier information) Administration of laboratory animals with repeated doses of aryl thiophosphate by oral gavage in a reproductive / developmental toxicity screening study resulted in the loss of pups and a reduction in the number of implantation sites at high doses. |

**Specific target organ toxicity - repeated exposure Summary**

Repeated overexposure may cause liver and kidney damage.

**Interchangeable neutral oils**

|                                       |  |
|---------------------------------------|--|
| <b><u>Acute toxicity - oral</u></b>   |  |
| <b>Notes (oral LD<sub>50</sub>)</b>   | LD <sub>50</sub> > 2000 mg / kg, Oral, Rat |
| <b><u>Acute toxicity - dermal</u></b> |  |

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**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub>> 2000 mg / kg, Dermal, Rabbit

**2-Ethylhexyl methacrylate**

**Serious eye damage / irritation**

**Serious eye damage / irritation** Causes eye irritation.

**Skin sensitization**

**Skin sensitization** Skin Sensitive. 1B- H317

**Germ cell mutagenicity**

**Genotoxicity - in vitro** This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier information)

**Specific target organ toxicity - single exposure Target**

**organs** Respiratory system, lung.

**Fuels, diesel**

**Carcinogenicity**

**Carcinogenicity** Known or suspected carcinogenic to humans.

**SECTION 12: Ecological information**

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

**Ecological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

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

**12.1. Toxicity**

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

**Acute aquatic toxicity**

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

**Acute toxicity - fish** available data, the classification criteria are not met. Based on available data,

**Acute toxicity - aquatic invertebrates** the classification criteria are not met.

**Acute toxicity - aquatic plants** Based on available data, the classification criteria are not met. Based on

**Acute toxicity microorganisms** available data, the classification criteria are not met.

**Acute toxicity - terrestrial organisms** Based on available data, the classification criteria are not met.

**Chronic aquatic toxicity**



# Part I

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

**Chronic toxicity- in fish  
early life stage** available data, the classification criteria are not met.

**Short term toxicity - embryo  
and early larval stages** Based on available data, the classification criteria are not met.

**Chronic toxicity- aquatic  
invertebrates** Based on available data, the classification criteria are not met.

**Toxicity to soil** Based on available data, the classification criteria are not met. Based on

**Toxicity to terrestrial plants Ecological** available data, the classification criteria are not met.

**information on ingredients**

#### Distillates (petroleum), hydrogen treated heavy paraffinic base oil

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

#### Acute aquatic toxicity

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

**Acute toxicity - fish** LL<sub>50</sub>,> 100 mg / l, Fish  
LL<sub>50</sub>, 96 (OECD 203) hours:> 100 mg / l, Pimephales promelas (Golyan Fish)

**Acute toxicity - aquatic  
invertebrates** LL<sub>50</sub>, 24 (OECD 202) hours:> 10000 mg / l, Aquatic shrimp EL50, 24  
(OECD 202) hours:> 10000 mg / l, Water flea

**Acute toxicity - aquatic plants** Required information is not available.

**Acute toxicity  
microorganisms** LL<sub>50</sub>,> 100 mg / l, Micro-organisms

**Acute toxicity - on land  
living organisms** Required information is not available.

#### Chronic aquatic toxicity

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

**Chronic toxicity- in fish  
early life stage** Required information is not available.

**Short term toxicity  
embryo and early larval  
stages** Required information is not available.

**Chronic toxicity- aquatic  
invertebrates** Required information is not available.

**Toxicity to soil** Required information is not available.

**For terrestrial plants  
toxicity** Required information is not available.

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**Polysulfides, di-tert-butyl**

**Acute aquatic toxicity**

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 3 days:> 100 mg / l, Algae

**Acute toxicity microorganisms** EC<sub>50</sub>, 0.1 days:> 10000 mg / l, sediment

**Chronic aquatic toxicity**

**Chronic toxicity- aquatic invertebrates** EC<sub>50</sub>, 2 days: 63 mg / l, Water flea

**Paraffin oils**

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 4 days:> 100 mg / l, Kocabaş carp

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 2 days:> 10000 mg / l, Water flea EC<sub>50</sub>, 21 days:> 10 mg / l, Water flea NOEC, 21 days:> 10 mg / l, Water flea

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 3 days:> 100 mg / l, Green algae

**4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, diphosphorus pentoxide esterified and salted with amines,**

**C12-14-tert-alkyl reaction products**

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 4 days: 24 mg / l, Oncorhynchus mykiss (Rainbow trout) NOEC, 4 days: 3.2 mg / l, Oncorhynchus mykiss (Rainbow trout) LC<sub>50</sub>, 4 days: 8.5 mg / l, Kocabaş carp

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 2 days: 91.4 mg / l, Water flea EC<sub>50</sub>, 21 days: 0.66 mg / l, Water flea NOEC, 21 days: 0.12 mg / l, Water flea

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 4 days: 6.4 mg / l, Selenastrum capricornutum  
NOEC, 4 days: 1.7 mg / l, Selenastrum capricornutum

**Acute toxicity microorganisms** EC<sub>50</sub>, 0.1 days: 2.433 mg / l, Sediment

**Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol**

**Acute aquatic toxicity**

**Acute toxicity - fish** LC<sub>50</sub>, 4 days:> 1000 mg / l, Kocabaş carp NOEC, 4 days: 1000 mg / l, Kocabaş carp

**Acute toxicity - aquatic invertebrates** EC<sub>50</sub>, 2 days: 41 mg / l, Water flea NOEC, 2 days: 32 mg / l, Water flea

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**Acute toxicity - aquatic plants** NOEC, 3 days: 100 mg / l, Algae

EC<sub>50</sub>, 3 days:> 100 mg / l, Algae

**Acute toxicity  
microorganisms**

EC<sub>50</sub>, 0.7 days:> 8000 mg / l, pseudomonas putida

**O, O, O-triphenyl phosphorothioate**

**Acute aquatic toxicity**

**Acute toxicity - fish**

LC<sub>50</sub>, 4 days:> 100 mg / l, Brachydanio rerio (Zebrafish)

**Acute toxicity - aquatic  
invertebrates**

EC<sub>50</sub>, 2 days:> 100 mg / l, Daphnia Magna NOEC, 21  
days:> 5.5 mg / l, Daphnia Magna

**Acute toxicity - aquatic plants** EC<sub>50</sub>, 3 days:> 100 mg / l, Green algae

**Acute toxicity  
microorganisms**

EC<sub>50</sub>, 3 weeks:> 100 mg / l, sediment

**2-Ethylhexyl methacrylate**

**Acute aquatic toxicity**

**Acute toxicity - fish**

LC<sub>50</sub>, 4 days: 2.78 mg / l, Red freshwater bait fish

**Acute toxicity - aquatic  
invertebrates**

EC<sub>50</sub>, 21 days: 0.105 mg / l, daphnia NOEC, 21  
days: 0.105 mg / l, daphnia

**12.2. Persistence and degradability**

**Persistence and degradability**

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

**Phototransformation**

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

**Stability (hydrolysis)**

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

**Biodegradation**

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

**Biological oxygen demand**

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

**Chemical oxygen demand**

met.

**Ecological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

**Persistence and degradability**

OECD 301B: 2-4%, 28 d; OECD 301F: 31%, 28 d

**Phototransformation**

Insufficient data.

**Stability (hydrolysis)**

Insufficient data.

**Biodegradation**

Insufficient data.

**Biological oxygen demand**

Insufficient data.

**Chemical oxygen demand**

Insufficient data.

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Polysulfides, di-tert-butyl

**Biodegradation** Carbon dioxide generation - 13%: 28 days, OECD TG 301B

Paraffin oils

**Biodegradation** Carbon dioxide formation - 31: 28 days, OECD TG 301B

4-Methyl-2-pentanol and diphosphorus pentasulfide, propoxylated, diphosphorus pentaoxide esterified and salted with amines,

C12-14-tert-alkyl reaction products

**Biodegradation** Dissolved organic carbon (DOC) - 3.6%: 28 days, Intrinsic residue Carbon  
dioxide formation - 7.4%: 28 days, OECD TG 301B

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

**Biodegradation** - 28%: OECD TG 301 C

O, O, O-triphenyl phosphorothioate

**Biodegradation** Carbon dioxide formation - 17.8% -19.3%: 28 OECD TG 301B

2-Ethylhexyl methacrylate

**Biodegradation** Oxygen discharge - 88: 28 days, OECD TG 301 C

12.3. Bioaccumulative potential

**Bioaccumulative potential** There is no specific test data available.

**Partition coefficient** Insufficient data.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

**Bioaccumulative potential** Insufficient data.

**Partition coefficient** Insufficient data.

Polysulfides, di-tert-butyl

**Partition coefficient** log Kow: 6

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

**Partition coefficient** log Kow: 9.4

O, O, O-triphenyl phosphorothioate

**Bioaccumulative potential** BCF: 2,551, Fish

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2-Ethylhexyl methacrylate

Bioaccumulative potential      BCF: 37, Measured

Partition coefficient      log Kow: 4.95

**12.4. Mobility in soil**

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

**Adsorption / desorption**      available data, the classification criteria are not met.  
coefficient

**Henry's law constant**      Based on available data, the classification criteria are not met. Based on

**Surface tension**      available data, the classification criteria are not met.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

**Mobility**      No data available.

**Adsorption / desorption**      Insufficient data.  
coefficient

**Henry's law constant**      Insufficient data.

**Surface tension**      Insufficient data.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB**      It is not relevant.

**results of the assessment**

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

**PBT and vPvB**      It is not relevant.  
**of evaluation**  
**results**

Fuels, diesel

**PBT and vPvB**      The product does not contain any substances classified as PBT or vPvB.  
**of evaluation**  
**results**

**12.6. Other adverse effects Other**

**adverse effects**      No other information is available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

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**Other adverse effects**

This product contains components that have an aquatic effect. Prevent from entering soil, rivers and sewers.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods General**

**information**

Waste generation should be minimized or avoided wherever possible. Wastes, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents. Dispose of waste in a licensed waste disposal facility in accordance with the requirements of the local Waste Disposal Authorities.

**Waste treatment methods**

Avoid spillage or runoff entering drains, sewers or watercourses. The disposal of this product, process solutions, residues and by-products must always comply with environmental protection requirements, waste disposal legislation and requirements of local authorities. Reuse or recycle products wherever possible. Dispose of contents / container according to national regulations. During the handling of wastes, the safety precautions applied for the handling of the product should be taken into account.

**Waste class**

Waste code classification should be carried out according to the European Waste Catalog (EWC).

**SECTION 14: Transport information**

**General**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID).

**Road shipment notes**

Not edited.

**Railway shipment notes**

Not classified.

**Sea shipment notes Air**

Not classified.

**shipment notes**

Not classified.

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class (es)**

There is no required transport warning sign.

**Shipping labels**

There is no required transport warning sign.

**14.4. Packing group**

Not applicable.

**14.5. Environmental damages**

**14.6. Special precautions for user**

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Make sure that the people who ship the product know what to do in the event of an accident or spill. Always transport in closed containers upright and securely.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code**

**MARPOL 73/78 Annex II and IBC** Not applicable.

**pouring by code**

transportation

**SECTION 15: Regulatory information**

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

**National regulations**

Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11 December 2013 and numbered 28848.

Republic of Turkey Ministry of Environment and Urbanization Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures

TR Ministry of Environment and Urbanization Guide to Safe Storage of Chemicals

Republic of Turkey Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment at Workplaces, dated 2 July 2013 and numbered 28695

Republic of Turkey Ministry of Labor and Social Security, Regulation on Health and Safety Measures in Working with Chemicals, dated 12 August 2013 and numbered 28733

**EU legislation**

<https://echa.europa.eu>

**Guide**

Safety Data Sheet for substances and preparations.

**SECTION 16: Other information**

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**In the safety data sheet  
used abbreviations and  
acronyms**

EU: European Union DMSO:  
Dimethyl sulfoxide  
PPE: Personal protective equipment  
TC: Republic of Turkey  
TWA: Workplace exposure limits UZEM: National  
Poison Information Center  
ADR: European Agreement on the International Carriage of Dangerous Goods by Road. CAS: Chemical  
Abstracts Service.  
DNEL: Derived no-effect level. GHS: Global Harmonized  
System.  
IATA: International Air Transport Association.  
ICAO: Technical Specifications for the Safe Transport of Dangerous Goods by Air. IMDG: International  
Maritime Dangerous Goods.  
LC50: The concentration of the substance causing 50% (half) death in the test animal group.  
LD50: Dose of substance (Median Lethal Dose) that caused 50% (half) death in the test animal group.

PBT: Persistent, Bioaccumulative and Toxic substance.  
REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of  
Chemicals.  
RID: European Agreement Relating to the International Carriage of Dangerous Goods by Rail. vPvB: Very Persistent, Very  
Bioaccumulative.  
MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973, as amended by the 1978  
Protocol.  
NOAEL: No Side Effects Level. NOEC: No-Effect  
Concentration.

**Abbreviations and acronyms**

Asp. Full. = Aspiration hazard Skin Irrit.  
= Skin irritation  
Aquatic Chronic = Harmful to the aquatic environment (chronic) Eye Dam.  
= Eye damage  
Skin Corr. = Skin abrasion  
Repr. Fog. Full. = Reproductive System Toxicity Aquatic  
Acute = Harmful to the aquatic environment (acute) Skin  
Sens. = Skin sensitization Acute Tok. = Acute toxicity

BHOT Single Mrz. = Specific Target Organ Toxicity - Single exposure

**General information**

Only trained personnel should use this material. This document contains important information for the safe storage, transport and use of this product. The information in this document should be brought to the attention of the person responsible for security issues in your organization. Uses and Restrictions: This product should not be used outside of the applications recommended in Section 1 without the prior recommendation of the supplier. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. Material Safety Data Sheet Distribution: The information in this document should be made available to all persons who can handle this product. Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only.



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|---|--|
| <b>Main literature references and sources of information</b>          | This SDS is based on the information received from our raw material suppliers.   |
| <b>Dated December 11, 2013 and 28848</b>                              | Eye Irrit. 2- H319: Calculation method., Supplier information Skin Sensitive. 1- H317: Calculation   |
| <b>According to the regulation numbered classification conditions</b> | method., Supplier information  |
| <b>Education advice</b>   | Untrained personnel should not be used.  |
| <b>Revision comments by</b>   | <p>This is the first arrangement.</p> <p>Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date: 03.11.2018-03.11.2021)</p>  |
| <b>How many regulations</b>   | 0  |
| <b>Preparation date</b>   | 06.01.2019   |
| <b>SDS No</b>   | 20654  |
| <b>All of the hazard statements</b>                                   | <p>H302 Harmful if swallowed.</p> <p>H304 Fatal if swallowed and enters respiratory tract. H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.</p> <p>H335 May cause respiratory irritation.</p> <p>H361 Suspected of damaging the unborn child or damaging fertility if swallowed.</p> <p>H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.</p> |

This information relates only to a specific specific substance and should not be used in a composition or any process where the same substance is used in combination with other substances. This information is accurate and reliable as of the date specified, within the firm's high level of knowledge and opinion. However, no warranty or representation can be made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use.