



## SAFETY DATA SHEET

### MAXIMA CX 0W/20

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

##### 1.1. Product identifier

Product name MAXIMA CX 0W/20

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

Identified uses Engine oil.

Uses advised against Use only for intended applications.

##### 1.3. Details of the supplier of the safety data sheet

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  
madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

##### 1.4. Emergency telephone number

Emergency telephone Madeni Yağ Customer Services: 0850 339 1919 (working hours)

National emergency telephone number Emergency Medical Services: 112 National Poison Consultance Center: 114

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Not Classified

Environmental hazards Aquatic Chronic 3 - H412

##### 2.2. Label elements

Hazard statements H412 Harmful to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.  
P501 Dispose of contents/ container in accordance with national regulations.

##### 2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

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

##### 3.2. Mixtures

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|  |
|--|
| <b>Distillates (petroleum), hydrotreated heavy paraffinic baseoil</b> <span style="float: right;"><b>40-60%</b></span><br>CAS number: 64742-54-7      EC number: 265-157-1      REACH registration number: 01-2119484627-25-0065 |
| <b>Classification</b><br>Asp. Tox. 1 - H304  |
| <b>1-decene homopolymer hydrogenated</b> <span style="float: right;"><b>10-20%</b></span><br>CAS number: 68037-01-4  |
| <b>Classification</b><br>Asp. Tox. 1 - H304  |
| <b>Distillates (petroleum), hydrotreated heavy naphthenic</b> <span style="float: right;"><b>1-5%</b></span><br>CAS number: 64742-54-7      EC number: 265-157-1   |
| <b>Classification</b><br>Not Classified  |
| <b>Distillates (petroleum), solvent dewaxed heavy paraffinic</b> <span style="float: right;"><b>1-5%</b></span><br>CAS number: 64742-65-0      EC number: 265-169-7  |
| <b>Classification</b><br>Not Classified  |
| <b>Lubricating Oils, petroleum C20-C50, hydrotreated neutral oil-based</b> <span style="float: right;"><b>1-5%</b></span><br>CAS number: 72623-87-1      EC number: 276-738-4  |
| <b>Classification</b><br>Asp. Tox. 1 - H304  |
| <b>Lubricating oils (petroleum), C15-30, based on hydrogenated neutral oil</b> <span style="float: right;"><b>1-5%</b></span><br>CAS number: 72623-86-0      EC number: 276-737-9  |
| <b>Classification</b><br>Asp. Tox. 1 - H304  |
| <b>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased</b> <span style="float: right;"><b>1-5%</b></span><br>CAS number: 122384-87-6      EC number: 272-234-3  |
| <b>Classification</b><br>Aquatic Chronic 4 - H413  |

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|                                     |                         |     |
|-------------------------------------|-------------------------|-----|
| phenol, (tetrapropenyl) derivatives |                         | <1% |
| CAS number: 74499-35-7              | EC number: 616-100-8    |     |
| M factor (Acute) = 10               | M factor (Chronic) = 10 |     |
| <b>Classification</b>               |                         |     |
| Skin Corr. 1 - H314                 |                         |     |
| Eye Dam. 1 - H318                   |                         |     |
| Repr. 1B - H360                     |                         |     |
| Aquatic Acute 1 - H400              |                         |     |
| Aquatic Chronic 1 - H410            |                         |     |

The full text for all hazard statements is displayed in Section 16.

|                             |  |
|-----------------------------|--|
| <b>Composition comments</b> | The data shown are in accordance with the latest EC Directives. Some substances are not classified by legislation. They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%   |
| <b>Ingredient notes</b>     | If REACH registration numbers cannot be seen, the item is exempt from registering, minimum volume threshold for recording does not meet, the registration date has not yet arrived, or this information has been registered. See Section 8 for occupational exposure limits. |

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                                   |  |
|-----------------------------------|--|
| <b>General information</b>        | Get medical attention if any discomfort continues.   |
| <b>Inhalation</b>                 | Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.   |
| <b>Ingestion</b>                  | Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.             |
| <b>Skin contact</b>               | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.  |
| <b>Eye contact</b>                | Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention. |
| <b>Protection of first aiders</b> | First aid personnel should wear appropriate protective equipment during any rescue. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.       |

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

|                            |  |
|----------------------------|--|
| <b>General information</b> | See Section 11 for additional information on health hazards. |
| <b>Inhalation</b>          | No specific symptoms known.                                  |
| <b>Ingestion</b>           | No specific symptoms known.                                  |
| <b>Skin contact</b>        | No specific symptoms known.                                  |
| <b>Eye contact</b>         | Causes serious eye irritation.                               |

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

|                             |   |
|-----------------------------|---|
| <b>Notes for the doctor</b> | No specific treatment. Treat symptomatically. |
| <b>Specific treatments</b>  | Treat symptomatically.                        |

**SECTION 5: Firefighting measures**

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### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Using a water jet can be inconvenient.

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

**Specific hazards** Oxides of carbon. Oxides of nitrogen.

**Hazardous combustion products** Not known.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. Use water to keep fire exposed containers cool and disperse vapours.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use air-supplied respirator, gloves and protective goggles.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes.

**For non-emergency personnel** Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

**For emergency responders** Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

### 6.4. Reference to other sections

**Reference to other sections** 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

**Usage precautions** Avoid spilling.

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### Advice on general occupational hygiene

Avoid breathing vapors / mist. Proper ventilation should be provided in areas where the product is used. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Wash contaminated skin thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene procedures should be implemented.

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

#### Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep containers upright. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

#### Storage class

Chemical storage.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

#### Usage description

The product must be used as specified in the data sheet.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

Mineral Oil- inhalable fraction: TWA : 5 mg/m<sup>3</sup> (Source:US. ACGIH Threshold Limit Values (02 2012))

Distillates (petroleum) hydrotreated heavy paraffinic: EU OEL (Europe) TWA: 5 mg/m<sup>3</sup>, 8 hours.

Distillates (petroleum) solvent-dewaxed heavy paraffinic: EU OEL (Europe) TWA: 5 mg/m<sup>3</sup>, 8 hours/ STEL: 10 mg/m<sup>3</sup>, 15 minutes.

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

There is no available data.

#### Distillates (petroleum), hydrotreated heavy naphthenic

TLV/TWA

5 mg/m<sup>3</sup>

#### Distillates (petroleum), solvent dewaxed heavy paraffinic

TWA: Workplace exposure limits

5 mg/m<sup>3</sup>

8 hours

STEL: Short term exposure limit

10 mg/m<sup>3</sup>

15 minutes.

#### Lubricating oils (petroleum), C15-30, based on hydrogenated neutral oil

TLV/TWA

5 mg/m<sup>3</sup>

8 hours

EU OEL

### Ingredient comments

WEL = Workplace Exposure Limits

### DNEL

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

DNEL: 2,7 (8h) mg/m<sup>3</sup> (long trm inhalativ worker systemic)

DNEL: 5,4 (8h) mg/m<sup>3</sup> (long-term inhalativ worker local)

DNEL: 1,2 (24h) mg/m<sup>3</sup> (long-term inhalativ consumer local)

DNEL: 0,74 (24h) mg/kg/d (long-term oral consumer systemic)

DNEL: 1,0 (8h) mg/kg (long-term dermal worker systemic)

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

|                                |   |
|--------------------------------|---|
| <b>Ingredient comments</b>     | There is no available data.   |
| <b>Biological limit values</b> | There is no available data.   |
| <b>DNEL</b>                    | Workers - Inhalation; Long term systemic effects: 2,7 (8h) mg/m <sup>3</sup><br>Workers - Inhalation; Long term local effects: 5,4 (8h) mg/m <sup>3</sup><br>Consumer - Inhalation; Long term local effects: 1,2 (24h) mg/m <sup>3</sup><br>Consumer - Oral; Long term systemic effects: 0,74 (24h) mg/kg/day<br>Workers - Dermal; Long term systemic effects: 1,0 (8h) mg/kg |
| <b>DMEL</b>                    | No information available.   |
| <b>PNEC</b>                    | No information available.   |

### lubricating oils (petroleum), C20-50, hydrotreated neutral oil based (CAS: 72623-87-1)

|             |  |
|-------------|--|
| <b>DNEL</b> | TWA (sis): 5 mg/m <sup>3</sup> , STEL (sis): 10 mg/m <sup>3</sup> , TWAEV (sis): 5 mg/m <sup>3</sup> , STEV (sis): 10 mg/m <sup>3</sup> , TWA (solunabilir fraksiyon): 5 mg/m <sup>3</sup> |
|-------------|--|

### Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik (CAS: 64742-54-7)

|             |   |
|-------------|---|
| <b>DNEL</b> | Workers - Inhalation; Long term : 5,4 mg/m <sup>3</sup><br>Consumer - Inhalation; Long term : 1,2 mg/m <sup>3</sup> |
| <b>PNEC</b> | Oral Value: 9,33 mg/kg  |

### Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (CAS: 122384-87-6)

|             |                   |
|-------------|-------------------|
| <b>PNEC</b> | - Water; 0,5 mg/l |
|-------------|-------------------|

### Zin bis [O, O-bis (2-ethylhexyl)] bis (dihtiofosfat) (CAS: 4259-15-8)

|             |   |
|-------------|---|
| <b>DNEL</b> | Workers - Dermal; Long term systemic effects: 9,6 mg/kg, bw/day |
| <b>PNEC</b> | Water; 0,004 mg/l   |

## 8.2. Exposure controls

### Protective equipment



### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

### Personal protection

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately.

### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Polyvinyl chloride (PVC). Nitrile rubber. Butyl rubber.

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|  |   |
|--|---|
| <b>Other skin and body protection</b>  | Wear appropriate clothing to prevent any possibility of skin contact. Wear rubber footwear. Wear apron or protective clothing in case of contact.   |
| <b>Hygiene measures</b>                | Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.  |
| <b>Respiratory protection</b>          | No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.   |
| <b>Thermal hazards</b>                 | If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures. If there is a risk of contact with refrigerated product, all protective equipment should be suitable for use with low temperatures.  |
| <b>Environmental exposure controls</b> | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Keep container tightly sealed when not in use. |

### SECTION 9: Physical and chemical properties

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

|   |                                      |
|---|--------------------------------------|
| <b>Appearance</b>                                   | Liquid.                              |
| <b>Odour</b>  | Characteristic.                      |
| <b>Odour threshold</b>                              | No specific test data are available. |
| <b>pH</b>   | Scientifically unjustified.          |
| <b>Melting point</b>                                | No specific test data are available. |
| <b>Initial boiling point and range</b>              | No specific test data are available. |
| <b>Flash point</b>                                  | 260oC                                |
| <b>Evaporation rate</b>                             | No specific test data are available. |
| <b>Evaporation factor</b>                           | No specific test data are available. |
| <b>Flammability (solid, gas)</b>                    | No information available.            |
| <b>Upper/lower flammability or explosive limits</b> | No information available.            |
| <b>Other flammability</b>                           | No information available.            |
| <b>Vapour pressure</b>                              | No information available.            |
| <b>Vapour density</b>                               | No information available.            |
| <b>Relative density</b>                             | 0.85 g/ml 15 @ °C                    |
| <b>Bulk density</b>                                 | ~ 0,85 @15°C g/ml                    |
| <b>Solubility(ies)</b>                              | Insoluble in water.                  |
| <b>Partition coefficient</b>                        | No information available.            |
| <b>Auto-ignition temperature</b>                    | No information available.            |
| <b>Decomposition Temperature</b>                    | No information available.            |
| <b>Viscosity</b>                                    | 100 °C : 5,6 - 9,3 cSt               |

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|   |   |
|---|---|
| <b>Explosive properties</b>                     | No information available.                                   |
| <b>Explosive under the influence of a flame</b> | No suitable data is available.                              |
| <b>Oxidising properties</b>                     | No data available.  |
| <b>Comments</b>                                 | Information given is applicable to the product as supplied. |
| <b>9.2. Other information</b>                   |   |
| <b>Other information</b>                        | No information required.                                    |
| <b>Refractive index</b>                         | No specific test data are available.                        |
| <b>Particle size</b>                            | No specific test data are available.                        |
| <b>Molecular weight</b>                         | No specific test data are available.                        |
| <b>Volatility</b>                               | No specific test data are available.                        |
| <b>Saturation concentration</b>                 | No specific test data are available.                        |
| <b>Critical temperature</b>                     | No specific test data are available.                        |
| <b>Volatile organic compound</b>                | No specific test data are available.                        |

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

|                   |                          |
|-------------------|--------------------------|
| <b>Reactivity</b> | No information required. |
|-------------------|--------------------------|

#### 10.2. Chemical stability

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable at normal ambient temperatures and when used as recommended. |
|------------------|---|

#### 10.3. Possibility of hazardous reactions

|   |                      |
|---|----------------------|
| <b>Possibility of hazardous reactions</b> | Will not polymerise. |
|---|----------------------|

#### 10.4. Conditions to avoid

|                            |   |
|----------------------------|---|
| <b>Conditions to avoid</b> | Avoid excessive heat for prolonged periods of time. |
|----------------------------|---|

#### 10.5. Incompatible materials

|                           |                    |
|---------------------------|--------------------|
| <b>Materials to avoid</b> | Acids - oxidising. |
|---------------------------|--------------------|

#### 10.6. Hazardous decomposition products

|   |  |
|---|--|
| <b>Hazardous decomposition products</b> | Fire creates: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ). |
|---|--|

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

|                                     |   |
|-------------------------------------|---|
| <b>Toxicological effects</b>        | Information given is based on data of the components and of similar products. |
| <b>Other health effects</b>         | No relevant information available.  |
| <b>Acute toxicity - oral</b>        |   |
| <b>Summary</b>                      | Based on available data the classification criteria are not met.              |
| <b>Notes (oral LD<sub>50</sub>)</b> | Based on available data the classification criteria are not met.              |
| <b>Acute toxicity - dermal</b>      |   |



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|  |   |
|--|---|
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Notes (dermal LD<sub>50</sub>)</b>                          | Based on available data the classification criteria are not met.  |
| <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>                      | Based on available data the classification criteria are not met.  |
| <b><u>Skin corrosion/irritation</u></b>                        |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Skin corrosion/irritation</b>                               | Not classified as a primary skin irritant. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis. Prolonged skin contact may cause temporary irritation. |
| <b>Animal data</b>   | No information available.   |
| <b>Human skin model test</b>                                   | No information available.   |
| <b>Extreme pH</b>  | No information available.   |
| <b><u>Serious eye damage/irritation</u></b>                    |   |
| <b>Summary</b>   | Causes serious eye irritation.  |
| <b>Serious eye damage/irritation</b>                           | Irritation of eyes is assumed.  |
| <b><u>Respiratory sensitisation</u></b>                        |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Respiratory sensitisation</b>                               | Based on available data the classification criteria are not met.  |
| <b><u>Skin sensitisation</u></b>                               |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Skin sensitisation</b>                                      | Based on available data the classification criteria are not met.  |
| <b><u>Germ cell mutagenicity</u></b>                           |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Genotoxicity - in vitro</b>                                 | Based on available data the classification criteria are not met.  |
| <b>Genotoxicity - in vivo</b>                                  | Based on available data the classification criteria are not met.  |
| <b><u>Carcinogenicity</u></b>                                  |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Carcinogenicity</b>   | Based on available data the classification criteria are not met.  |
| <b>Target organ for carcinogenicity</b>                        | Based on available data the classification criteria are not met.  |
| <b>IARC carcinogenicity</b>                                    | Based on available data the classification criteria are not met.  |
| <b>NTP carcinogenicity</b>                                     | Based on available data the classification criteria are not met.  |
| <b><u>Reproductive toxicity</u></b>                            |   |
| <b>Summary</b>   | Based on available data the classification criteria are not met.  |
| <b>Reproductive toxicity - fertility</b>                       | No specific test data are available.  |
| <b>Reproductive toxicity - development</b>                     | No information is required.   |
| <b><u>Specific target organ toxicity - single exposure</u></b> |   |

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|  |  |
|--|--|
| <b>Summary</b>   | Based on available data the classification criteria are not met.   |
| <b>STOT - single exposure</b>                                    | No specific test data are available.   |
| <b>Target organs</b>   | No specific target organs known.   |
| <b><u>Specific target organ toxicity - repeated exposure</u></b> |  |
| <b>Summary</b>   | Based on available data the classification criteria are not met.   |
| <b>STOT - repeated exposure</b>                                  | No specific test data are available.   |
| <b>Target organs</b>   | No specific target organs known.   |
| <b><u>Aspiration hazard</u></b>                                  |  |
| <b>Summary</b>   | Based on available data the classification criteria are not met.   |
| <b>Aspiration hazard</b>   | May be fatal if swallowed and penetrates into the respiratory tract.   |
| <b><u>Toxicokinetics</u></b>                                     |  |
| <b>Summary</b>   | No information is required.  |
| <b>General information</b>                                       | Information given is based on data of the components and of similar products.  |
| <b>Inhalation</b>  | Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. |
| <b>Ingestion</b>   | May cause discomfort if swallowed. Gastrointestinal symptoms, including upset stomach.   |
| <b>Skin contact</b>  | Skin irritation should not occur when used as recommended. Liquid may irritate skin.   |
| <b>Eye contact</b>   | Irritating to eyes.  |
| <b>Acute and chronic health hazards</b>                          | There is not enough data.  |
| <b>Route of exposure</b>   | Ingestion Inhalation Skin and/or eye contact   |
| <b>Target organs</b>   | No specific target organs known.   |
| <b>Medical symptoms</b>  | No specific test data are available.   |
| <b>Medical considerations</b>                                    | No specific test data are available.   |

### SECTION 12: Ecological information

|                    |  |
|--------------------|--|
| <b>Ecotoxicity</b> | May be harmful to aquatic organisms. Spills form film layer on water surface and prevent oxygen transfer |
|--------------------|--|

#### 12.1. Toxicity

|                 |                           |
|-----------------|---------------------------|
| <b>Toxicity</b> | There is not enough data. |
|-----------------|---------------------------|

#### Acute aquatic toxicity

|   |  |
|---|--|
| <b>Summary</b>                                | Harmful to aquatic life with long lasting effects. |
| <b>Acute toxicity - fish</b>                  | No specific test data are available.               |
| <b>Acute toxicity - aquatic invertebrates</b> | No specific test data are available.               |
| <b>Acute toxicity - aquatic plants</b>        | No specific test data are available.               |
| <b>Acute toxicity - microorganisms</b>        | No specific test data are available.               |
| <b>Acute toxicity - terrestrial</b>           | No specific test data are available.               |

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### Chronic aquatic toxicity

**Summary** No specific test data are available.

**Chronic toxicity - fish early life stage** No information required.

**Short term toxicity - embryo and sac fry stages** No information required.

**Chronic toxicity - aquatic invertebrates** No specific test data are available.

**Toxicity to soil** There is not enough data.

**Toxicity to terrestrial plants** There is not enough data.

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

**Phototransformation** No specific test data are available.

**Stability (hydrolysis)** No specific test data are available.

**Biodegradation** No specific test data are available.

**Biological oxygen demand** No specific test data are available.

**Chemical oxygen demand** No specific test data are available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No information available.

**Partition coefficient** No information available.

### 12.4. Mobility in soil

**Mobility** The product is immiscible with water and will spread on the water surface.

**Adsorption/desorption coefficient** No specific test data are available.

**Henry's law constant** No specific test data are available.

**Surface tension** No specific test data are available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted). Do not puncture or incinerate, even when empty.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Environmental Manager must be informed of all major spillages. Avoid the spillage or runoff entering drains, sewers or watercourses. Do not re-use empty packages. please recycle empty packages.

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**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (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 transport notes** Avoid releasing into the environment.

**Rail transport notes** Not classified.

**Sea transport notes** Do not release into the environment.

**Air transport notes** Not classified.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

No transport warning sign required.

#### **Transport labels**

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

**National regulations** T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization. According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

**EU legislation** Commission Regulation (EU) No 453/2010 of 20 May 2010.  
Dangerous Preparations Directive 1999/45/EC.  
Dangerous Substances Directive 67/548/EEC.

**Guidance** Safety Data Sheets for Substances and Preparations.

**Authorisations (Annex XIV Regulation 1907/2006)** No specific authorisations are known for this product.

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### Restrictions (Annex XVII Regulation 1907/2006)

No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

E.U. : European union  
DMSO: Dimethyl sulfoxide  
KKE: Personal protective equipment  
T.C. : Republic of Turkey  
TWA: Workplace exposure limits  
UZEM: National Poison Information Center  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
GHS: Globally Harmonized System.  
IATA: International Air Transport Association.  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
vPvB: Very Persistent and Very Bioaccumulative.  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
NOAEL: No Observed Adverse Effect Level.  
NOEC: No Observed Effect Concentration.

### Classification abbreviations and acronyms

Asp. Tox. = Aspiration hazard  
Skin Irrit. = Skin irritation  
Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
Eye Dam. = Serious eye damage  
Skin Corr. = Skin corrosion  
Aquatic Acute = Hazardous to the aquatic environment (acute)  
STOT SE = Specific target organ toxicity-single exposure  
STOT RE = Specific target organ toxicity-repeated exposure  
Skin Sens. = Skin sensitisation  
Skin Irrit. = Skin irritation  
Eye Irrit. = Eye irritation  
Carc. = Carcinogenicity  
Repr. = Reproductive toxicity

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|   |   |
|---|---|
| <b>General information</b>  | Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. MSDS Distribution : The information in this document should be made available to all who may handle the product. Disclaimer : 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. |
| <b>Key literature references and sources for data</b>                   | This SDS is prepared based on the information received from raw material suppliers.   |
| <b>Classification procedures according to Regulation (EC) 1272/2008</b> | Aquatic Chronic 3 - H412: Calculation method., Supplier information Eye Irrit. 2 - H319: Calculation method., Supplier information  |
| <b>Training advice</b>  | Untrained personnel should not use.   |
| <b>Revision comments</b>  | Revised classification.   |
| <b>Issued by</b>  | Ece Korkut Safety and Data Sheet Specialist (Certificate No: GBF01.54.04 26.06.2024)  |
| <b>Revision date</b>  | 09/11/2021  |
| <b>Revision</b>   | 1   |
| <b>Supersedes date</b>  | 09/11/2021  |
| <b>SDS number</b>   | 20814   |
| <b>Hazard statements in full</b>  | H304 May be fatal if swallowed and enters airways.<br>H314 Causes severe skin burns and eye damage.<br>H318 Causes serious eye damage.<br>H360 May damage fertility or the unborn child if swallowed.<br>H400 Very toxic to aquatic life.<br>H410 Very toxic to aquatic life with long lasting effects.<br>H412 Harmful to aquatic life with long lasting effects.<br>H413 May cause long lasting harmful effects to aquatic life.  |

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.