



## SAFETY DATA SHEET MAXIMA 20W-50

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

#### 1.1. Product identifier

**Product name** MAXIMA 20W-50

**Product number** 11175

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

**Identified uses** Engine oil.

**Uses advised against** 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. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation 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 Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)

**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

**Environmental** The product is mildly toxic to aquatic organisms.

#### 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

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As supplied, the material does not present a health hazard.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Distillates (petroleum), hydrotreated heavy paraffinic</b>	<b>80-95%</b>
CAS number: 64742-54-7	EC number: 265-157-1
	REACH registration number: 01-2119484627-25-0033
<b>Classification</b>	
Not Classified	
<b>Mineral Oil</b>	<b>1-5%</b>
CAS number: 64742-55-8	
<b>Classification</b>	
Not Classified	
<b>Mineral oil (mixture)</b>	<b>1-5%</b>
CAS number: —	
<b>Classification</b>	
Not Classified	
<b>Calcium long chain alkylphenate sulphide</b>	<b>&lt;1%</b>
CAS number: 122384-87-6	
<b>Classification</b>	
Aquatic Chronic 4 - H413	
<b>Zinc dialkyl dithiophosphate</b>	<b>&lt;1%</b>
CAS number: 68649-42-3	EC number: 272-028-3
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	
<b>Alkaryl amine</b>	<b>&lt;1%</b>
CAS number: 36878-20-3	EC number: 253-249-4
<b>Classification</b>	
Aquatic Chronic 4 - H413	

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<b>Phenol-4-dodecyl</b>	<b>&lt;1%</b>
CAS number: 104-43-8	EC number: 203-202-9
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Classification</b>	
Skin Corr. 1C - 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>	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 do not appear the substance is either exempt from registration, does not meet the minimum volume threshold for registration, the registration date has not yet come due or this information is proprietary.

**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.

**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>	No specific symptoms known.

**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****5.1. Extinguishing media**

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**Suitable extinguishing media** The product is not flammable. Extinguish with the following media: Foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

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

**Specific hazards** Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m<sup>3</sup>. Oxides of carbon. Oxides of nitrogen.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). A complex mixture of airborne solids, liquids and gases can be released.

### 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.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **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.

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

**For emergency responders** Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case of spillage, notify the local authorities as appropriate or as necessary. 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. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. See Section 1 for emergency contact information. For waste disposal, see Section 13. See Section 7 for more information on safe handling. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Provide adequate ventilation.

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**Advice on general occupational hygiene** Good personal hygiene procedures should be implemented. Avoid breathing vapors / mist. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet.

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

**Storage precautions** Store in a demarcated bunded area to prevent release to drains and/or watercourses. Store away from incompatible materials (see Section 10). Bund storage facilities to prevent soil and water pollution in the event of spillage. Keep only in the original container. Protect from freezing and direct sunlight.

**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

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

Oil mist: TWA: 5 mg/m<sup>3</sup> (ACGIH). In no case should this limit be exceeded or the local limit, if it is more restrictive.

##### **Mineral Oil**

Mineral oil - Inhalable fraction: TWA: 5 mg/m<sup>3</sup>, US. ACGIH Threshold Limit Values (03 2014)

##### **Mineral oil (mixture)**

Mineral oil: TWA: 5 mg/m<sup>3</sup>, 8 hours [EH-40 MEL, (Europe, 2002)]

**Ingredient comments** WEL = Workplace Exposure Limits

**Biological limit values** No information available.

**DNEL** No information available.

**DMEL** No information available.

**PNEC** No information available.

### 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**

The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support.

#### **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: Nitrile rubber. Polyvinyl chloride (PVC).

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<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Provide eyewash station. 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. 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.
<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. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. 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>Colour</b>	Brown.
<b>Odour</b>	Odorless or slightly petroleum oil
<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>	228°C OC (Open cup).
<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 specific test data are available.
<b>Upper/lower flammability or explosive limits</b>	No specific test data are available.
<b>Other flammability</b>	No specific test data are available.
<b>Vapour pressure</b>	No specific test data are available.
<b>Vapour density</b>	No specific test data are available.
<b>Relative density</b>	No specific test data are available.
<b>Bulk density</b>	~ 0,89 @ 15 °C g/ml
<b>Solubility(ies)</b>	Hydrocarbons.
<b>Partition coefficient</b>	No specific test data are available.
<b>Auto-ignition temperature</b>	No specific test data are available.
<b>Decomposition Temperature</b>	No specific test data are available.

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<b>Viscosity</b>	20.02 cSt @ 100°C
<b>Explosive properties</b>	No specific test data are available.
<b>Explosive under the influence of a flame</b>	No specific test data are available.
<b>Oxidising properties</b>	Not known.
<b>Comments</b>	No specific test data are available.
<b><u>9.2. Other information</u></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

**Reactivity** No test data specifically related to reactivity available for this product or its ingredients.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong acids. Inorganic halides. Strong alkalis.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** In the event of incomplete combustion, smoke, carbon dioxide and carbon monoxide are formed. Bozunma sıcaklığına ısıtıldığında COx duman ve tahriş edici buharlarını salabilir.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Based on available data the classification criteria are not met.

**Other health effects** Based on available data the classification criteria are not met.

#### Acute toxicity - oral

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

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<b>Notes (oral LD<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b><u>Acute toxicity - dermal</u></b>	
<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>	Based on available data the classification criteria are not met.
<b>Animal data</b>	Based on available data the classification criteria are not met.
<b>Human skin model test</b>	Based on available data the classification criteria are not met.
<b>Extreme pH</b>	Based on available data the classification 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.
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<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>	No specific target organs known.
<b>IARC carcinogenicity</b>	Not listed.
<b>NTP carcinogenicity</b>	Not listed.
<b><u>Reproductive toxicity</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.

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### Specific target organ toxicity - single exposure

<b>Summary</b>	Based on available data the classification criteria are not met.
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.
<b>Target organs</b>	No specific target organs known.

### Specific target organ toxicity - repeated exposure

<b>Summary</b>	Based on available data the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Target organs</b>	No specific target organs known.

### Aspiration hazard

<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.

<b>Toxicokinetics</b>	No other information known.
<b>General information</b>	No other information known.
<b>Inhalation</b>	No other information known.
<b>Ingestion</b>	No other information known.
<b>Skin contact</b>	No other information known.
<b>Eye contact</b>	No other information known.
<b>Acute and chronic health hazards</b>	No other information known.
<b>Route of exposure</b>	No other information known.
<b>Target organs</b>	No specific target organs known.
<b>Medical symptoms</b>	No other information known.
<b>Medical considerations</b>	No other information known.

### Toxicological information on ingredients.

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

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral,

##### Acute toxicity - dermal

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

##### Carcinogenicity

**Summary** The base oils in the product content contain less than 3% DMSO according to IP 346.

#### Mineral Oil

##### Carcinogenicity

**Summary** The base oils in the product content contain less than 3% DMSO according to IP 346.

### Specific target organ toxicity - single exposure

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**STOT - single exposure** If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. (Supplier information)

**Aspiration hazard**

**Aspiration hazard** Material can be aspirated into the lungs during the act of swallowing or vomiting. This could result in severe injury to the lungs and death. (Supplier information)

**Mineral oil (mixture)****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub>, 4h >5000 mg/m<sup>3</sup>, Inhalation, Rat

**Calcium long chain alkylphenate sulphide****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

**Acute toxicity - dermal**

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

**Zinc dialkyl dithiophosphate****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 2230 mg/kg, Oral, Rat LD<sub>50</sub> 3100 mg/kg, Oral, Rat

**Acute toxicity - dermal**

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

**Alkaryl amine****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

**SECTION 12: Ecological information**

**Ecotoxicity** May cause long lasting harmful effects to aquatic life.

**Ecological information on ingredients.****Distillates (petroleum), hydrotreated heavy paraffinic**

**Ecotoxicity** May be harmful to aquatic organisms. Spills form film layer on water surface and prevent oxygen transfer

**12.1. Toxicity**

**Toxicity** Harmful to aquatic life with long lasting effects.

**Acute aquatic toxicity**

**Summary** No other information known.

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<b>Acute toxicity - fish</b>	No other information known.
<b>Acute toxicity - aquatic invertebrates</b>	No other information known.
<b>Acute toxicity - aquatic plants</b>	No other information known.
<b>Acute toxicity - microorganisms</b>	No other information known.
<b>Acute toxicity - terrestrial</b>	No other information known.
<b><u>Chronic aquatic toxicity</u></b>	
<b>Summary</b>	May cause long lasting harmful effects to aquatic life.
<b>Chronic toxicity - fish early life stage</b>	No specific test data are available.
<b>Short term toxicity - embryo and sac fry stages</b>	No specific test data are available.
<b>Chronic toxicity - aquatic invertebrates</b>	No specific test data are available.
<b>Toxicity to soil</b>	No specific test data are available.
<b>Toxicity to terrestrial plants</b>	No specific test data are available.

### Ecological information on ingredients.

#### Phenol-4-dodecyl

##### Acute aquatic toxicity

LE(C)<sub>50</sub>                      0.01 < L(E)C<sub>50</sub> ≤ 0.1

M factor (Acute)              10

##### Chronic aquatic toxicity

M factor (Chronic)            10

### 12.2. Persistence and degradability

<b>Persistence and degradability</b>	No specific test data are available.
<b>Phototransformation</b>	No specific test data are available.
<b>Stability (hydrolysis)</b>	No specific test data are available.
<b>Biodegradation</b>	No specific test data are available.
<b>Biological oxygen demand</b>	No specific test data are available.
<b>Chemical oxygen demand</b>	No specific test data are available.

### Ecological information on ingredients.

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

**Biodegradation**                      Not expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

<b>Bioaccumulative potential</b>	No specific test data are available.
<b>Partition coefficient</b>	No specific test data are available.

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### Ecological information on ingredients.

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

**Bioaccumulative potential** Potentially bioaccumulating.

#### 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.

### Ecological information on ingredients.

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

**Mobility** Liquid under most environmental conditions. Floats on water. If spread into ground the groundwater may be polluted.

#### 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** No other information known.

### **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

**General information** The packaging must be empty (drop-free when inverted).

**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.

**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).

#### 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

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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 Annex II of MARPOL 73/78 Not applicable.

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.

#### EU legislation

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

#### Guidance

Safety Data Sheets for Substances and Preparations.

#### Health and environmental listings

Hazardous ingredients are listed.

### 15.2. Chemical safety assessment

## SECTION 16: Other information

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

E.U. : European union  
 DMSO: Dimethyl sulfoxide  
 KKE: Personal protective equipment  
 STEL: Short term exposure limit  
 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.  
 IMDG: International Maritime Dangerous Goods.  
 Kow: Octanol-water partition coefficient.  
 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.  
 IARC: International Agency for Research on Cancer.  
 MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.

### Classification abbreviations and acronyms

Asp. Tox. = Aspiration hazard  
 Skin Corr. = Skin corrosion  
 Aquatic Acute = Hazardous to the aquatic environment (acute)  
 Aquatic Chronic = Hazardous to the aquatic environment (chronic)  
 Eye Dam. = Serious eye damage  
 Repr. = Reproductive toxicity

### General information

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. Only trained personnel should use this material.

### Key literature references and sources for data

This SDS is prepared based on the information received from raw material suppliers.

### Classification procedures according to Regulation (EC) 1272/2008

Aquatic Chronic 4 - H413: Calculation method., Supplier information

**MAXIMA 20W-50**

<b>Training advice</b>	Untrained personnel should not use.
<b>Revision comments</b>	Revised classification.
<b>Issued by</b>	Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates: 03.11.2018-03.11.2021)
<b>Revision date</b>	07/10/2020
<b>Revision</b>	2
<b>Supersedes date</b>	17/06/2011
<b>SDS number</b>	10055
<b>Hazard statements in full</b>	H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H360 May damage fertility or the unborn child if swallowed. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. 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.