



## SAFETY DATA SHEET MAXIMA M 5W-30

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 M 5W-30

Product number 11122

#### 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 National Poison Consultance Center: 114 Emergency Medical Services: 112

### SECTION 2: Hazards identification

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

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

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 3 - H412

#### 2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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### 2.3. Other hazards

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

#### 3.2. Mixtures

<b>Distillates (petroleum), hydrotreated heavy paraffinic baseoil</b>	<b>80-95%</b>
CAS number: 64742-54-7	EC number: 265-157-1
	REACH registration number: 01-2119484627-25-0065
<b>Classification</b>	
Asp. Tox. 1 - H304	
<b>Mineral Oil</b>	<b>1-5%</b>
CAS number: 64742-55-8	
<b>Classification</b>	
Not Classified	
<b>Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik</b>	<b>1-5%</b>
CAS number: 64742-54-7	
EC number: 265-157-1	
<b>Classification</b>	
Not Classified	
<b>Damıtıklar (petrol), solvent cılası alınmış ağır parafinik</b>	<b>1-5%</b>
CAS number: 64742-65-0	
EC number: 265-169-7	
<b>Classification</b>	
Not Classified	
<b>Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts</b>	<b>1-5%</b>
CAS number: 84605-29-8	
EC number: 283-392-8	
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Chronic 2 - H411	

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<b>Bis(nonilfenil)amin</b>	<b>1-5%</b>
CAS number: 36878-20-3                      EC number: 253-249-4	
<b>Classification</b> Aquatic Chronic 4 - H413	
<b>Long-chain olefin sulphides</b>	<b>&lt;1%</b>
CAS number: —	
<b>Classification</b> Aquatic Chronic 4 - H413	
<b>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased</b>	<b>&lt;1%</b>
CAS number: 122384-87-6                      EC number: 272-234-3	
<b>Classification</b> Aquatic Chronic 4 - H413	
<b>phenol, (tetrapropenyl) derivatives</b>	<b>&lt;1%</b>
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	
<b>Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO</b>	<b>&lt;1%</b>
CAS number: —                      EC number: 500-213-3	
M factor (Acute) = 1	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412	

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

**Composition comments**                      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%

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information**                      Get medical attention if any discomfort continues.

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<b>Inhalation</b>	If in doubt, get medical attention promptly.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
<b>Skin contact</b>	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>	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

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Not known.
<b>Hazardous combustion products</b>	A complex mixture of airborne solids, liquids and gases can be released. Smoke and irritating vapours as products of incomplete combustion. Unidentified organic or inorganic compounds. Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Oxides of nitrogen. Oxides of sulphur. Oxides of phosphorus. Metal oxide(s). Hydrogen sulphide (H <sub>2</sub> S).

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses.
<b>Special protective equipment for firefighters</b>	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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>For non-emergency personnel</b>	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

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**For emergency responders** 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. Proper ventilation should be provided.

### 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.

### 6.4. Reference to other sections

**Reference to other sections** See Section 1 for emergency contact information. For waste disposal, see Section 13. 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. Wear protective clothing, gloves, eye and face protection.

**Advice on general occupational hygiene** 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.

**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 base oil**

There is no available data.

#### **Mineral Oil**

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

#### **Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik**

TLV/TWA

EU OEL

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

8 hours

#### **Damıtıklar (petrol), solvent cilası alınmış ağır parafinik**

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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.

<b>Ingredient comments</b>	WEL = Workplace Exposure Limits
<b>Biological limit values</b>	No other information known.
<b>DNEL</b>	No other information known.
<b>DMEL</b>	No other information known.
<b>PNEC</b>	No other information known.

### 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> Workers - Inhalation; Long term local effects: 5,4 (8h) mg/m <sup>3</sup> Consumer - Inhalation; Long term local effects: 1,2 (24h) mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 0,74 (24h) mg/kg/day Workers - Dermal; Long term systemic effects: 1,0 (8h) mg/kg
<b>DMEL</b>	No information available.
<b>PNEC</b>	No information available.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours.

#### Personal protection

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. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

#### 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.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

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.

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<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.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	No other information known.
<b>pH</b>	Scientifically unjustified.
<b>Melting point</b>	No other information known.
<b>Initial boiling point and range</b>	No other information known.
<b>Flash point</b>	~ 230°C OC (Open cup).
<b>Evaporation rate</b>	No other information known.
<b>Evaporation factor</b>	No other information known.
<b>Flammability (solid, gas)</b>	No other information known.
<b>Upper/lower flammability or explosive limits</b>	No other information known.
<b>Other flammability</b>	No other information known.
<b>Vapour pressure</b>	No other information known.
<b>Vapour density</b>	No other information known.
<b>Relative density</b>	No specific test data are available.
<b>Bulk density</b>	~ 0,85@15C g/ml
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	No other information known.
<b>Auto-ignition temperature</b>	No other information known.
<b>Decomposition Temperature</b>	No other information known.
<b>Viscosity</b>	9,3-12,5 cSt @ 100°C
<b>Explosive properties</b>	No specific test data are available.
<b>Explosive under the influence of a flame</b>	No other information known.
<b>Oxidising properties</b>	No other information known.
<b>Comments</b>	No other information known.

#### 9.2. Other information

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<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** This product is stable under normal conditions.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 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 alkalis. Strong acids. Strong oxidising agents. Strong reducing agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen sulphide (H<sub>2</sub>S).

### 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.

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

#### Acute toxicity - dermal

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

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

#### Acute toxicity - inhalation

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

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.



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### Skin corrosion/irritation

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

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

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

**Human skin model test** Based on available data the classification criteria are not met.

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

### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

**Serious eye damage/irritation** Supplier's information.

### Respiratory sensitisation

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

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

### Skin sensitisation

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

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

### Germ cell mutagenicity

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

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

### Carcinogenicity

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

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

**Target organ for carcinogenicity** No specific target organs known.

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

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

### Reproductive toxicity

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

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** 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.

**STOT - single exposure** Based on available data the classification criteria are not met.

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

### Specific target organ toxicity - repeated exposure

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

**STOT - repeated exposure** Based on available data the classification criteria are not met.

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<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>	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>	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.
<b>Skin contact</b>	Liquid may irritate skin.
<b>Eye contact</b>	May cause temporary eye irritation.
<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 other information 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 baseoil

<b>Toxicological effects</b>	Information given is based on data of the components and of similar products.
<b>Other health effects</b>	No information required.
<b><u>Acute toxicity - oral</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 (OECD 401)/API 1982a mg/kg, Oral, Rat
<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>	LD <sub>50</sub> >5000 (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>	LC <sub>50</sub> , 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.
<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.

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

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### Aspiration hazard

**Summary** Slight irritation of the respiratory tract may occur, if mists are inhaled.

**Aspiration hazard** May be fatal if swallowed and enters airways.

**Toxicokinetics** No information required.

**General information** No information required.

**Inhalation** No information required.

**Ingestion** No information required.

**Skin contact** No information required.

**Eye contact** No information required.

**Acute and chronic health hazards** No information required.

**Route of exposure** No information required.

**Target organs** No specific target organs known.

**Medical symptoms** No information required.

**Medical considerations** No information required.

### 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

**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)

### Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 125 mg/kg, Oral, Rat

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Dermal, Rabbit NOAEL, Sub-kronik 30 mg/kg, Dermal, Rat, Female NOAEL, Sub-akut 1000 mg/kg, Dermal, Rabbit

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >5,53 mg/l, 4 hour, Vapour Rat NOAEL, Sub-kronik 0,22 mg/l, 4 week, Dust/Mist Rat NOAEL, Sub-kronik 0,15 mg/l, 13 week, Dust/Mist Rat

#### Skin corrosion/irritation

**Skin corrosion/irritation** Moderately irritating.

**MAXIMA M 5W-30****Serious eye damage/irritation**

**Serious eye damage/irritation** Moderately irritating.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.

**Carcinogenicity**

**Carcinogenicity** 78 week, Negative., Dermal, Mouse

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Negative., Oral, Rat

**Reproductive toxicity - development**

Teratogenicity: - : Negative., Dermal, Rat Maternal toxicity: - Negative.: , Oral, Rat  
Developmental toxicity: - Negative.: , Oral, Rat

**Damıtıklar (petrol), solvent cılası alınmıř ađır parafınık****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 NOAEL, Sub-akut 1000 mg/kg, Dermal, Rabbit

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >5,53 mg/l, 4 hour, Vapour Rat NOAEL, Sub-kronik 0,15 mg/l, 13 week, Vapour Rat

**Skin corrosion/irritation**

**Skin corrosion/irritation** Moderately irritating.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Moderately irritating.

**Respiratory sensitisation**

**Respiratory sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Chromosome aberration, memeliler-hayvan: Negative.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Negative. , Oral, Rat

**Reproductive toxicity - development**

Maternal toxicity: - Negative.: , Oral, Rat Developmental toxicity: - Negative.: , Oral, Rat  
Teratogenicity: - Negative.: , Dermal, Rat

**Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts****Acute toxicity - oral**

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<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> 3100 mg/kg, Oral, Rat NOAEL, chronic 160 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2002 mg/kg, Dermal, Rat
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 >2,3 mg/l, 4 hour, Vapour Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye irritation.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Gene mutation: Positive. Micronucleus Test: Negative.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Fertility - Negative., Oral, Rat
<b>Reproductive toxicity - development</b>	Maternal toxicity: - : Negative., Oral, Rat Developmental toxicity: - : Negative., Oral, Rat

**Bis(nonilfenil)amin**

<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 100 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Dermal, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Moderately irritating.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Not sensitising.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - development</b>	Teratogenicity: - : Negative., Oral, Rat

**Long-chain olefin sulphides**

<b><u>Acute toxicity - oral</u></b>	
<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >2000 mg/kg, Oral, Rat NOAEL, Sub-akut 1000 mg/kg, Oral, Rat

**MAXIMA M 5W-30****Acute toxicity - dermal**

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

**Skin corrosion/irritation**

**Skin corrosion/irritation** Slightly irritating.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Slightly irritating.

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Gene mutation, memeliler-hayvan: Negative. Chromosome aberration: Negative.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Negative., Oral, Rat

**Reproductive toxicity - development** Maternal toxicity: - : Negative., Oral, Rat Developmental toxicity: - : Negative., Oral, Rat

**Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat NOAEL, Sub-akut 200 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit NOAEL, Sub-akut 250 mg/kg, Dermal, Rat

**Skin corrosion/irritation**

**Skin corrosion/irritation** Slightly irritating.

**Serious eye damage/irritation**

**Serious eye damage/irritation** Slightly irritating.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Gene mutation, memeliler-hayvan: Negative.

**Reproductive toxicity**

**Reproductive toxicity - development** Teratogenicity: - : Negative., Oral, Rat

**Exchangeable neutral oils****Acute toxicity - oral**

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

**Acute toxicity - dermal**

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

**MAXIMA M 5W-30****phenol, (tetrapropenyl) derivatives****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> 2200 mg/kg, Oral, Rat NOAEL, Sub-kronik 15 mg/kg, Oral, Rat

**Acute toxicity - dermal**

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> 15000 mg/kg, Dermal, Rabbit

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Gene mutation: Negative.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Positive., Oral, Rat

**Reproductive toxicity - development**

Maternal toxicity: - : Positive., Oral, Rat Developmental toxicity: - : Positive., Oral, Rat

**Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO****Acute toxicity - oral**

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Oral, Rat NOAEL, Sub-akut 100 mg/kg, Oral, Rat

**Acute toxicity - dermal**

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

**Acute toxicity - inhalation**

**Notes (inhalation LC<sub>50</sub>)** LC50 >1,6 mg/l, 4 hour, Vapour Rat

**Skin corrosion/irritation**

**Skin corrosion/irritation** Corrosive to skin.

**Serious eye damage/irritation**

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

**Skin sensitisation**

**Skin sensitisation** Not sensitising.

**Germ cell mutagenicity**

**Genotoxicity - in vitro** Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.

**Reproductive toxicity**

**Reproductive toxicity - fertility** Fertility - Negative., Dermal, Rat

**Reproductive toxicity - development**

Maternal toxicity: - : Positive., Dermal, Rat Developmental toxicity: - : Negative., Dermal, Rat

**SECTION 12: Ecological information**

**Ecotoxicity** Harmful to aquatic life.

**Ecological information on ingredients.**



## MAXIMA M 5W-30

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

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

#### 12.1. Toxicity

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

#### Acute aquatic toxicity

**Summary** No other information known.

**Acute toxicity - fish** No specific test data are available.

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

**Acute toxicity - aquatic plants** No specific test data are available.

**Acute toxicity - microorganisms** No specific test data are available.

**Acute toxicity - terrestrial** No specific test data are available.

#### Chronic aquatic toxicity

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

**Chronic toxicity - fish early life stage** No specific test data are available.

**Short term toxicity - embryo and sac fry stages** No specific test data are available.

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

**Toxicity to soil** No specific test data are available.

**Toxicity to terrestrial plants** No specific test data are available.

#### Ecological information on ingredients.

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

**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 (Fat-head Minnow)

**Acute toxicity - aquatic invertebrates** LL<sub>50</sub>, 24 (OECD 202) hours: >10000 mg/l, Gammarus pulex  
EL<sub>50</sub>, 24 (OECD 202) hours: >10000 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** No information required.

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

**Acute toxicity - terrestrial** No information required.

#### Chronic aquatic toxicity

## MAXIMA M 5W-30

<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Chronic toxicity - fish early life stage</b>	No information required.
<b>Short term toxicity - embryo and sac fry stages</b>	No information required.
<b>Chronic toxicity - aquatic invertebrates</b>	No information required.
<b>Toxicity to soil</b>	No information required.
<b>Toxicity to terrestrial plants</b>	No information required.

### Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Pimephales promelas (Fat-head Minnow) NOEL, chronic, 14 day: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: >10000 mg/l, Daphnia magna

#### Chronic aquatic toxicity

<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 21 day: 10 mg/l, Daphnia magna NOEL, 72 hour: >=100 mg/l, Pseudokirchneriella subcapitata
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### Damıtıklar (petrol), solvent cılası alınmış ağır parafinik

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Pimephales promelas (Fat-head Minnow) NOEL, chronic, 14 day: 1000 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: >10000 mg/l, Daphnia magna

#### Chronic aquatic toxicity

<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 21 day: 10 mg/l, Daphnia magna NOEL, 72 hour: >=100 mg/l, Pseudokirchneriella subcapitata
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### Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts

#### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: 4,5 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: 23 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 72 hour: 24 mg/l, Desmodosmus subspicatus
<b>Acute toxicity - microorganisms</b>	EL <sub>50</sub> , 3 hour: >10000 mg/l, Micro-organisms

#### Chronic aquatic toxicity

<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 21 day: 0,4 mg/l, Daphnia magna NOEC, 72 hour: 10 mg/l, Desmodosmus subspicatus
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**MAXIMA M 5W-30****Bis(nonilfenil)amin****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Danio rerio (Zebrafish)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: >100 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 72 hour: 100 mg/l, Desmodosmus subspicatus
<b>Acute toxicity - microorganisms</b>	IC <sub>50</sub> , 3 hour: >100 mg/l, Micro-organisms

**Chronic aquatic toxicity**

<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 72 hour: >10 mg/l, Alg
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**Long-chain olefin sulphides****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: >100 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 72 hour: >100 mg/l, Pseudokirchneriella subcapitata

**Chronic aquatic toxicity**

<b>Chronic toxicity - aquatic invertebrates</b>	NOEL, 72 hour: 100 mg/l, Pseudokirchneriella subcapitata
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**Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased****Acute aquatic toxicity**

<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: >1000 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: >1000 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL <sub>50</sub> , 96 hour: >500 mg/l, Desmodosmus subspicatus
<b>Acute toxicity - microorganisms</b>	EL <sub>50</sub> , 3 hour: >10000 mg/l, Micro-organisms

**phenol, (tetrapropenyl) derivatives****Acute aquatic toxicity**

<b>LE(C)<sub>50</sub></b>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
<b>M factor (Acute)</b>	10
<b>Acute toxicity - fish</b>	LL <sub>50</sub> , 96 hour: 40 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Acute toxicity - aquatic invertebrates</b>	EL <sub>50</sub> , 48 hour: 0,037 mg/l, Daphnia magna

**MAXIMA M 5W-30**

**Acute toxicity - aquatic plants** EL50, 72 hour: 0,36 mg/l, Desmodesmus subspicatus  
NOEL, 72 hour: 0,07 mg/l, Desmodesmus subspicatus

**Acute toxicity - microorganisms** EL50, 3 hour: >1000 mg/l, Micro-organisms

**Chronic aquatic toxicity**

**M factor (Chronic)** 10

**Chronic toxicity - aquatic invertebrates** NOEL, 21 day: 0,0037 mg/l, Daphnia magna

**Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO****Acute aquatic toxicity**

**LE(C)<sub>50</sub>** 0.1 < L(E)C50 ≤ 1

**M factor (Acute)** 1

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 0,876 mg/l, Danio rerio (Zebrafish)

**Acute toxicity - aquatic invertebrates** EL50, 48 hour: 0,39 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL50, 72 hour: 0,41 mg/l, Pseudokirchneriella subcapitata  
NOEL, 72 hour: 0,31 mg/l, Pseudokirchneriella subcapitata

**Acute toxicity - microorganisms** EL50, 5 hour: >2 mg/l, Micro-organisms

**Chronic aquatic toxicity**

**Chronic toxicity - fish early life stage** NOEC, 10 day: 0,16 mg/l, Pimephales promelas (Fat-head Minnow)

**Chronic toxicity - aquatic invertebrates** NOEC, 21 day: 0,77 mg/l, Daphnia magna

**12.2. Persistence and degradability**

**Persistence and degradability** No specific test data are 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.

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

**Persistence and degradability** OECD 301B:2-4 %,28 d ;OECD 301F:31 %,28 d

**Phototransformation** Inconclusive data.

**Stability (hydrolysis)** Inconclusive data.

**Biodegradation** Inconclusive data.

**MAXIMA M 5W-30****Biological oxygen demand** Inconclusive data.**Chemical oxygen demand** Inconclusive data.**Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik****Biodegradation** OECD 301 F - 31 %: 28 day**Damıtıklar (petrol), solvent cılası alınmış ağır parafinik****Biodegradation** OECD 301 F - 31 %: 28 day**Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts****Biodegradation** OECD 301 B - 1,5 %: 28 day**Bis(nonilfenil)amin****Biodegradation** OECD 301 B - 1: % 28 day**Long-chain olefin sulphides****Biodegradation** OECD 301 B - 45 %: 28 day**Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased****Biodegradation** OECD 301 B - 13,4 %: 28 day**phenol, (tetrapropenyl) derivatives****Biodegradation** OECD 301 B - 6-25 %: 28 day**Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO****Biodegradation** - 95 %: 28 day**12.3. Bioaccumulative potential****Bioaccumulative potential** No specific test data are available.**Partition coefficient** No other information known.**Ecological information on ingredients.****Distillates (petroleum), hydrotreated heavy paraffinic baseoil****Bioaccumulative potential** Inconclusive data.**Partition coefficient** Inconclusive data.**Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts****Bioaccumulative potential** log Pow: 0,56,**Bis(nonilfenil)amin****Bioaccumulative potential** log Pow: 3,64-7,02, BCF: 1730,**phenol, (tetrapropenyl) derivatives**

## MAXIMA M 5W-30

**Bioaccumulative potential** BCF: 289-1601,

### 12.4. Mobility in soil

<b>Mobility</b>	The product is immiscible with water and will spread on the water surface.
<b>Adsorption/desorption coefficient</b>	No specific test data are available.
<b>Henry's law constant</b>	No specific test data are available.
<b>Surface tension</b>	No specific test data are available.

### Ecological information on ingredients.

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

<b>Mobility</b>	No data available.
<b>Adsorption/desorption coefficient</b>	Inconclusive data.
<b>Henry's law constant</b>	Inconclusive data.
<b>Surface tension</b>	Inconclusive data.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not relevant.

### Ecological information on ingredients.

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

**Results of PBT and vPvB assessment** Not relevant.

### 12.6. Other adverse effects

**Other adverse effects** No other information known.

### Ecological information on ingredients.

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

**Other adverse effects** This product contains components that have a harmful effect on the aquatic environment. Do not allow to enter into soil, rivers or sewers.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>General information</b>	The generation of waste should be minimised or avoided wherever possible. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.
<b>Disposal methods</b>	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.
<b>Waste class</b>	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## SECTION 14: Transport information

## MAXIMA M 5W-30

**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.

### 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. Ministry of Environment and Urbanization Regulation on Safety Data Sheets on Hazardous Substances and Mixtures  
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.

#### **EU legislation**

Commission Regulation (EU) No 453/2010 of 20 May 2010.

#### **Guidance**

Safety Data Sheets for Substances and Preparations.  
Source: European Chemicals Agency, <http://echa.europa.eu/>

### 15.2. Chemical safety assessment

## SECTION 16: Other information

## MAXIMA M 5W-30

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

TWA: Workplace exposure limits  
 DMSO: Dimethyl sulfoxide  
 E.U. : European union  
 KKE: Personal protective equipment  
 STEL: Short term exposure limit  
 UZEM: National Poison Information Center  
 DNEL: Derived No Effect Level.  
 CAS: Chemical Abstracts Service.  
 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.  
 PNEC: Predicted No Effect Concentration.  
 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.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 NOEC: No Observed Effect Concentration.  
 DMEL: Derived Minimal Effect Level.

### Classification abbreviations and acronyms

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

### General information

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. 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.

### 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

Eye Irrit. 2 - H319: Calculation method., Supplier information Aquatic Chronic 3 - H412: Supplier information, Calculation method.



## MAXIMA M 5W-30

<b>Training advice</b>	Untrained personnel should not use.
<b>Revision comments</b>	Adding content information. 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>	25/02/2020
<b>Revision</b>	0
<b>Supersedes date</b>	25/02/2020
<b>SDS number</b>	20688
<b>Hazard statements in full</b>	H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. 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.

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