



## SAFETY DATA SHEET MAXIMA PRO 5W40

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 PRO 5W40

Product number 11258

#### 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 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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### Precautionary statements

P401 Store in accordance with national regulations.  
 P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/ attention.  
 P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

When the product is heated above 90C (194F), a low level of CO, CO<sub>2</sub>, phosphorus oxides, metal oxide / oxides, hydrogen sulfide may be released by thermal decomposition.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Distillates (petroleum), hydrotreated heavy paraffinic baseoil</b>			<b>60-80%</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>5-10%</b>
CAS number: 64742-55-8			
<b>Classification</b> Not Classified			
<b>Damıtıklar (petrol), solvent cilası 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			
<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			

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<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>Long-chain olefin sulphides</b>		<b>&lt;1%</b>
CAS number: —		
<b>Classification</b> Aquatic Chronic 4 - H413		
<b>Exchangeable neutral oils</b>		<b>&lt;1%</b>
CAS number: —		
The mineral oil contained in this material may be identified by one or more of the following CAS Numbers: 64742-54-7, 64742-65-0, 64742-55-8 and 64742-56-9.		
<b>Classification</b> Not Classified		
<b>Acrylic copolymer</b>		<b>&lt;1%</b>
CAS number: —		
<b>Classification</b> Not Classified		
<b>Fuelsi diesel</b>		<b>&lt;1%</b>
CAS number: 68334-30-5	EC number: 269-822-7	
<b>Classification</b> Carc. 2 - H351		
<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		

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<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.

<b>Composition comments</b>	The DMSO contents of some substances are classified by the manufacturer as <3% according to IP 346.
<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>	Personal protective equipment should be used to minimize first-aid treatment. First aid personnel should wear appropriate protective equipment during any rescue.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. Artificial respiration and / or oxygen may be required.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Remove any dentures. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. If the material is swallowed and the victim is conscious, give low amounts of water to drink. Stop if the affected person feels sick as vomiting may be dangerous. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist. Never give anything by mouth to an unconscious person. If the victim is unconscious, place them in the recovery position and seek immediate medical attention. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin contact</b>	In case of any discomfort, seek medical advice immediately. Take off contaminated clothing and wash it before reuse. In case of contact, the skin should be washed with plenty of water for at least 15 minutes. Get medical attention if symptoms are severe or persist.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally open and close eyelids during the wash process. Get medical attention immediately.
<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

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**Notes for the doctor** The effect of decomposition products that may be released during the fire may be delayed. The exposed person may need to be kept under medical observation for 48 hours.

**Specific treatments** Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use a suitable extinguishing agent to extinguish the fire.

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

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

**Specific hazards** Not known.

**Hazardous combustion products** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Hydrogen sulphide (H<sub>2</sub>S). Metal oxide(s). Oxides of nitrogen. Oxides of phosphorus.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Evacuate area. No action shall be taken without appropriate training or involving any personal risk.

**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** Ensure procedures and training for emergency decontamination and disposal are in place. Take care as floors and other surfaces may become slippery.

**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** Apply protective methods to prevent spilled material from entering into water sources, water channels, sewers and soil. The product contains a substance which is very toxic to aquatic organisms. May be harmful to the environment if released in large quantities. Environmental manager must be informed of all major spillages. Inform respective authorities in case product reaches water or sewage system.

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

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### Methods for cleaning up

Provide adequate ventilation. Remove all sources of ignition. Small spill : Stop leak if without risk. Move containers from spill area. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large spill : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water sources, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may be pose the same hazard as the spilled product. Inform authorities if large amounts are involved.

### 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

Wear protective clothing as described in Section 8 of this safety data sheet. Do not ingest. Avoid siphonage by mouth. Avoid contact with skin, eyes and clothing. Do not breathe dust or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Product residues retained in emptied containers can be hazardous. Do not reuse empty containers.

#### 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 accordance with local regulations. Keep only in the original container in a cool, well-ventilated place. Protect from freezing and direct sunlight. Store away from incompatible materials (see Section 10). Containers that have been opened must be carefully released and kept upright to prevent leakage. Do not store in unlabeled containers. Avoid environmental contamination. NOTE: Exposure to elevated temperatures may increase the possibility of H<sub>2</sub>S and mercaptan generation.

#### Storage class

Not applicable. Note: This product contains a component with a storage class of 6.1 C.

### 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**

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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), solvent cılası alınmış ağır parafinik

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.

### DNEL

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

DNEL: 2,7 (8h) mg/m<sup>3</sup> (long term 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)

### 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.

### 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> Consumer - Inhalation; Long term : 1,2 mg/m <sup>3</sup>
<b>PNEC</b>	Oral Value: 9,33 mg/kg

### Bis(nonilfenil)amin (CAS: 36878-20-3)

<b>PNEC</b>	Water; 0,1 mg/l
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### Long-chain olefin sulphides

<b>PNEC</b>	Water; 0,1 mg/l
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### Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased (CAS: 122384-87-6)

<b>PNEC</b>	- Water; 0,5 mg/l
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## 8.2. Exposure controls

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<b>Appropriate engineering controls</b>	As this product contains ingredients with exposure limits, process enclosures, local exhaust ventilation or other engineering controls should be used to keep worker exposure below any statutory or recommended limits, if use generates dust, fumes, gas, vapour or mist. Good general ventilation should be adequate to control worker exposure to airborne contaminants.
<b>Personal protection</b>	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.
<b>Eye/face protection</b>	Normally, eye protection equipment is not required. Wear side goggles for safe operation when a risk of splashing is possible. If this material is heated, use chemical goggles, protective goggles or face shield. (EN 166)
<b>Hand protection</b>	Chemical resistant gloves: Nitril gloves of minimum thickness 0.4 mm have an expected breakthrough time of 480 minutes or less when in frequent contact with the product. This information does not replace suitability tests by the end user since glove protection varies depending on the conditions under which the product is used. Use good industrial hygiene practices.
<b>Other skin and body protection</b>	Avoid contact with skin. Personal protective equipment for the body should be selected based on the task being performed and the risk involved and should be approved by a specialist before handling this product.
<b>Hygiene measures</b>	Good personal hygiene procedures should be implemented. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash facilities and emergency shower must be available when handling this product.
<b>Respiratory protection</b>	Use appropriate respiratory protection if there is the potential to exceed the exposure limits. Select respirator based on suitability to provide adequate worker protection for given working conditions and level of airborne contaminant. Seek professional advice prior to respirator selection and use.
<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>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>	~ 232°C Cleveland open cup.

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Evaporation rate	No specific test data are available.
Evaporation factor	No specific test data are available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Bulk density	~ 0,85 @15°C g/ml
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	>22,5 cSt @ 40°C
Explosive properties	No information available.
Explosive under the influence of a flame	No suitable data is available.
Oxidising properties	No data available.
Comments	Information given is applicable to the product as supplied.

### 9.2. Other information

Other information	No information required.
Refractive index	No specific test data are available.
Particle size	No specific test data are available.
Molecular weight	No specific test data are available.
Volatility	No specific test data are available.
Saturation concentration	No specific test data are available.
Critical temperature	No specific test data are available.
Volatile organic compound	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.
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### 10.2. Chemical stability

Stability	This material is considered stable under normal environmental conditions and in the conditions of storage and handling foreseen.
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### 10.3. Possibility of hazardous reactions

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**Possibility of hazardous reactions** No hazardous reaction under normal conditions of storage and use.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposure to high temperatures or direct sunlight. Avoid heat, flames and other sources of ignition.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents. Strong reducing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Mercaptans. Hydrogen sulphide (H<sub>2</sub>S). Sulphurous gases (SO<sub>x</sub>). Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, irritating vapors and other products of incomplete combustion. Methacrylates.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

**Other health effects** No relevant information available.

#### 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.

#### Skin corrosion/irritation

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

**Skin corrosion/irritation** 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.

**Animal data** No information available.

**Human skin model test** No information available.

**Extreme pH** No information available.

#### Serious eye damage/irritation

**Summary** Causes serious eye irritation.

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

#### 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.

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<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>	
<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>Toxicokinetics</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>	May be harmful if inhaled.
<b>Ingestion</b>	Aspiration hazard if swallowed.
<b>Skin contact</b>	In case of skin contact damage / irritation effect is not expected. Prolonged and high doses may cause harmful effects as a result of contact.
<b>Eye contact</b>	May cause severe eye irritation.
<b>Acute and chronic health hazards</b>	There is not enough data.

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<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 tes data are available.
<b>Medical considerations</b>	No specific tes data are available.

### 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>	LC50, 4h 5,53 (OECD 403)/Exxon Biomedical Sciences, Inc.(1988a) mg/l, Inhalation, Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<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.

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<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.
<b><u>Aspiration hazard</u></b>	
<b>Summary</b>	Slight irritation of the respiratory tract may occur, if mists are inhaled.
<b>Aspiration hazard</b>	May be fatal if swallowed and enters airways.
<b><u>Toxicokinetics</u></b>	
<b>Toxicokinetics</b>	No information required.
<b><u>General information</u></b>	
<b>General information</b>	No information required.
<b>Inhalation</b>	No information required.
<b>Ingestion</b>	No information required.
<b>Skin contact</b>	No information required.
<b>Eye contact</b>	No information required.
<b>Acute and chronic health hazards</b>	No information required.
<b>Route of exposure</b>	No information required.

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<b>Target organs</b>	No specific target organs known.
<b>Medical symptoms</b>	No information required.
<b>Medical considerations</b>	No information required.

### Mineral Oil

#### Carcinogenicity

<b>Summary</b>	The base oils in the product content contain less than 3% DMSO according to IP 346.
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#### Specific target organ toxicity - single exposure

<b>STOT - single exposure</b>	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)
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#### Aspiration hazard

<b>Aspiration hazard</b>	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)
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### Damıtıklar (petrol), solvent cılası alınmış ağır parafinik

#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit NOAEL, Sub-akut 1000 mg/kg, Dermal, Rabbit
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#### Acute toxicity - inhalation

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

<b>Skin corrosion/irritation</b>	Moderately irritating.
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#### Serious eye damage/irritation

<b>Serious eye damage/irritation</b>	Moderately irritating.
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#### Respiratory sensitisation

<b>Respiratory sensitisation</b>	Not sensitising.
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#### Germ cell mutagenicity

<b>Genotoxicity - in vitro</b>	Bacterial reverse mutation test: Negative. Chromosome aberration, memeliler-hayvan: Negative.
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#### Reproductive toxicity

<b>Reproductive toxicity - fertility</b>	Fertility - Negative. , Oral, Rat
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<b>Reproductive toxicity - development</b>	Maternal toxicity: - Negative.: , Oral, Rat Developmental toxicity: - Negative.: , Oral, Rat Teratogenicity: - Negative.: , Dermal, Rat
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### Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik

#### Acute toxicity - oral

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<b>Notes (oral LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 125 mg/kg, Oral, Rat
<b><u>Acute toxicity - dermal</u></b>	
<b>Notes (dermal LD<sub>50</sub>)</b>	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
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 >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
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Not irritating.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Not 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.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	78 week, Negative., Dermal, Mouse
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Fertility - Negative., Oral, Rat
<b>Reproductive toxicity - development</b>	Teratogenicity: - : Negative., Dermal, Rat Maternal toxicity: - Negative.: , Oral, Rat Developmental toxicity: - Negative.: , Oral, Rat

### Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts

<b><u>Acute toxicity - oral</u></b>	
<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>	

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### Genotoxicity - in vitro

Bacterial reverse mutation test: Negative. Gene mutation: Positive. Micronucleus Test: Negative.

### Reproductive toxicity

#### Reproductive toxicity - fertility

Fertility - Negative., Oral, Rat

#### Reproductive toxicity - development

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

### Bis(nonilfenil)amin

### Acute toxicity - oral

#### Notes (oral LD<sub>50</sub>)

LD<sub>50</sub> >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 100 mg/kg, Oral, Rat

### Acute toxicity - dermal

#### Notes (dermal LD<sub>50</sub>)

LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

### Skin corrosion/irritation

#### Skin corrosion/irritation

Moderately irritating.

### Skin sensitisation

#### Skin sensitisation

Not sensitising.

### Germ cell mutagenicity

#### Genotoxicity - in vitro

Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative.

### Reproductive toxicity

#### Reproductive toxicity - development

Teratogenicity: - : 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

### Long-chain olefin sulphides

## MAXIMA PRO 5W40

### Acute toxicity - oral

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

### 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

### 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

### Fuelsi diesel

### Carcinogenicity

**Carcinogenicity** Known or suspected carcinogen for humans.

### 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

## MAXIMA PRO 5W40

<b>Reproductive toxicity - fertility</b>	Fertility - Positive., Oral, Rat
<b>Reproductive toxicity - development</b>	Maternal toxicity: - : Positive., Oral, Rat Developmental toxicity: - : Positive., Oral, Rat
<b><u>Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO</u></b>	
<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 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, Rabbit
<b><u>Acute toxicity - inhalation</u></b>	
<b>Notes (inhalation LC<sub>50</sub>)</b>	LC50 >1,6 mg/l, 4 hour, Vapour Rat
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Corrosive to skin.
<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. Chromosome aberration: Negative.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	Fertility - Negative., Dermal, Rat
<b>Reproductive toxicity - development</b>	Maternal toxicity: - : Positive., Dermal, Rat Developmental toxicity: - : Negative., Dermal, Rat

### SECTION 12: Ecological information

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

#### Ecological information on ingredients.

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

**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.

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**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 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.

### 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

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

**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 information required.

**Toxicity to soil** No information required.

**Toxicity to terrestrial plants** No information required.

#### Damıtıklar (petrol), solvent cılası alınmış ağır parafinik

#### Acute aquatic toxicity

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**Acute toxicity - fish** 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)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hour: >10000 mg/l, Daphnia magna

### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEL, 21 day: 10 mg/l, Daphnia magna  
NOEL, 72 hour: >=100 mg/l, Pseudokirchneriella subcapitata

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

### Acute aquatic toxicity

**Acute toxicity - fish** 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)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hour: >10000 mg/l, Daphnia magna

### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEL, 21 day: 10 mg/l, Daphnia magna  
NOEL, 72 hour: >=100 mg/l, Pseudokirchneriella subcapitata

### Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts

### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hour: 4,5 mg/l, Oncorhynchus mykiss (Rainbow trout)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hour: 23 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hour: 24 mg/l, Desmodesmus subspicatus

**Acute toxicity - microorganisms** EL<sub>50</sub>, 3 hour: >10000 mg/l, Micro-organisms

### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEL, 21 day: 0,4 mg/l, Daphnia magna  
NOEC, 72 hour: 10 mg/l, Desmodesmus subspicatus

### Bis(nonilfenil)amin

### Acute aquatic toxicity

**Acute toxicity - fish** LL<sub>50</sub>, 96 hour: >100 mg/l, Danio rerio (Zebrafish)

**Acute toxicity - aquatic invertebrates** EL<sub>50</sub>, 48 hour: >100 mg/l, Daphnia magna

**Acute toxicity - aquatic plants** EL<sub>50</sub>, 72 hour: 100 mg/l, Desmodesmus subspicatus

**Acute toxicity - microorganisms** IC<sub>50</sub>, 3 hour: >100 mg/l, Micro-organisms

### Chronic aquatic toxicity

**Chronic toxicity - aquatic invertebrates** NOEL, 72 hour: >10 mg/l, Alg

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### Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased

#### Acute aquatic toxicity

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

### Long-chain olefin sulphides

#### Acute aquatic toxicity

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

#### Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEL, 72 hour: 100 mg/l, Pseudokirchneriella subcapitata
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### phenol, (tetrapropenyl) derivatives

#### Acute aquatic toxicity

LE(C) <sub>50</sub>	0.01 < L(E)C <sub>50</sub> ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LL <sub>50</sub> , 96 hour: 40 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL <sub>50</sub> , 48 hour: 0,037 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL <sub>50</sub> , 72 hour: 0,36 mg/l, Desmodesmus subspicatus NOEL, 72 hour: 0,07 mg/l, Desmodesmus subspicatus
Acute toxicity - microorganisms	EL <sub>50</sub> , 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)C <sub>50</sub> ≤ 1
M factor (Acute)	1

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<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hour: 0,876 mg/l, Danio rerio (Zebrafish)
<b>Acute toxicity - aquatic invertebrates</b>	EL50, 48 hour: 0,39 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EL50, 72 hour: 0,41 mg/l, Pseudokirchneriella subcapitata NOEL, 72 hour: 0,31 mg/l, Pseudokirchneriella subcapitata
<b>Acute toxicity - microorganisms</b>	EL50, 5 hour: >2 mg/l, Micro-organisms
<b><u>Chronic aquatic toxicity</u></b>	
<b>Chronic toxicity - fish early life stage</b>	NOEC, 10 day: 0,16 mg/l, Pimephales promelas (Fat-head Minnow)
<b>Chronic toxicity - aquatic invertebrates</b>	NOEC, 21 day: 0,77 mg/l, Daphnia magna

### **12.2. Persistence and degradability**

**Persistence and degradability** There are no data on the degradability of this product.

**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**

<b>Persistence and degradability</b>	OECD 301B:2-4 %,28 d ;OECD 301F:31 %,28 d
<b>Phototransformation</b>	Inconclusive data.
<b>Stability (hydrolysis)</b>	Inconclusive data.
<b>Biodegradation</b>	Inconclusive data.
<b>Biological oxygen demand</b>	Inconclusive data.
<b>Chemical oxygen demand</b>	Inconclusive data.

#### **Damıtıklar (petrol), solvent cılası alınmıř ađır parafınık**

<b>Biodegradation</b>	OECD 301 F - 31 %: 28 day
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#### **Damıtıklar (petrol), hidrojenle muamele edilmıř ađır parafınık**

<b>Biodegradation</b>	OECD 301 F - 31 %: 28 day
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#### **Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts**

<b>Biodegradation</b>	OECD 301 B - 1,5 %: 28 day
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#### **Bis(nonilfenil)amin**

## MAXIMA PRO 5W40

Biodegradation	OECD 301 B - 1: % 28 day <u>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased</u>
Biodegradation	OECD 301 B - 13,4 %: 28 day <u>Long-chain olefin sulphides</u>
Biodegradation	OECD 301 B - 45 %: 28 day <u>phenol, (tetrapropenyl) derivatives</u>
Biodegradation	OECD 301 B - 6-25 %: 28 day <u>Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO</u>
Biodegradation	- 95 %: 28 day

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No specific test data are available.

**Partition coefficient** No information available.

### 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

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

### 12.4. Mobility in soil

**Mobility** No data available.

**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 baseoil

**Mobility** No data available.

## MAXIMA PRO 5W40

**Adsorption/desorption coefficient** Inconclusive data.

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

**Surface tension** Inconclusive data.

### 12.5. Results of PBT and vPvB assessment

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

#### Ecological information on ingredients.

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

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

##### Fuels: diesel

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

##### phenol, (tetrapropenyl) derivatives

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** May cause minor damage to water. Dangerous for the environment.

#### 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. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Avoid the spillage or runoff entering drains, sewers or watercourses. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Reuse or recycle products wherever possible. Dispose of contents/container in accordance with national regulations. When handling waste, the safety precautions applying to handling of the product should be considered.
<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 PRO 5W40

<b>General</b>	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
<b>Road transport notes</b>	Avoid releasing into the environment.
<b>Rail transport notes</b>	Not classified.
<b>Sea transport notes</b>	Do not release into the environment.
<b>Air transport notes</b>	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

### 14.6. Special precautions for user

Ensure that persons transporting the product know what to do in the event of an accident or spillage. Always transport in closed containers that are upright and secure.

### 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

<b>National regulations</b>	<p>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.</p> <p>T. C. Ministry of Environment and Urbanization Regulation on Safety Data Sheets on Hazardous Substances and Mixtures</p> <p>T. C. Ministry of Environment and Urbanization Guidelines for Safe Storage of Chemicals</p> <p>T. C. The Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment at Workplaces No. 28695 dated July 2, 2013</p>
<b>EU legislation</b>	<p>T. C. The Ministry of Labor and Social Security, Implementing Regulation on Health and Safety Measures for Working with Chemical Substances, numbered 28733 dated August 12, 2013</p> <p>Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).</p> <p><a href="https://echa.europa.eu">https://echa.europa.eu</a></p>
<b>Guidance</b>	Safety Data Sheets for Substances and Preparations.

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

**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

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>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.</p>
<b>Classification abbreviations and acronyms</b>	<p>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</p>

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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>	Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates: 03.11.2018-03.11.2021)
<b>Revision date</b>	19/06/2021
<b>Revision</b>	2
<b>Supersedes date</b>	19/02/2019
<b>SDS number</b>	20807
<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. H351 Suspected of causing cancer if swallowed. 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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