



SAFETY DATA SHEET MAXIMA CX 0W30 PLUS

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 CX 0W30 PLUS

Product number 11117

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

Identified uses Engine oil.

Uses advised against This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.

1.3. Details of the supplier of the safety data sheet

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

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

1.4. Emergency telephone number

Emergency telephone Madeni Yağ 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

MAXIMA CX 0W30 PLUS

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

No other information known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrotreated heavy paraffinic baseoil	60-80%
CAS number: 64742-54-7 EC number: 265-157-1 REACH registration number: 01-2119484627-25-0065	
Classification Asp. Tox. 1 - H304	
Distillates (petroleum), hydrogenated heavy paraffinic	10-20%
CAS number: — EC number: 265-157-1	
Classification Asp. Tox. 1 - H304	
1-decene homopolymer hydrogenated	5-10%
CAS number: 68037-01-4	
Classification Asp. Tox. 1 - H304	
Distillates (petroleum), solvent dewaxed heavy paraffinic	1-5%
CAS number: 64742-65-0 EC number: 265-169-7	
Classification Not Classified	
Bis(nonilfenil)amin	1-5%
CAS number: 36878-20-3 EC number: 253-249-4	
Classification Aquatic Chronic 4 - H413	

MAXIMA CX 0W30 PLUS

Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts 1-5%
CAS number: 84605-29-8 EC number: 283-392-8
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 2 - H411
Long-chain olefin sulphides <1%
CAS number: —
Classification Aquatic Chronic 4 - H413
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased <1%
CAS number: 122384-87-6 EC number: 272-234-3
Classification Aquatic Chronic 4 - H413
phenol, (tetrapropenyl) derivatives <1%
CAS number: 74499-35-7 EC number: 616-100-8 M factor (Acute) = 10 M factor (Chronic) = 10
Classification Skin Corr. 1 - H314 Eye Dam. 1 - H318 Repr. 1B - H360 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410
Alcohols, C12-14, ethoxylated(even numbered) 1-2.5EO <1%
CAS number: — EC number: 500-213-3 M factor (Acute) = 1
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412

MAXIMA CX 0W30 PLUS

2,6-di-tert-butyl-p-cresol	<1%
CAS number: —	EC number: 204-881-4
M factor (Acute) = 1	M factor (Chronic) = 1
Classification Skin Irrit. 2 - H315 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

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

Composition comments The DMSO contents of some substances are classified by the manufacturer as <3% according to IP 346.

Ingredient notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Personal protective equipment should be used to minimize first-aid treatment. First aid personnel should wear appropriate protective equipment during any rescue.
Inhalation	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.
Ingestion	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.
Skin contact	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.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Occasionally open and close eyelids during the wash process.
Protection of first aiders	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

General information	See Section 11 for additional information on health hazards.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Treat symptomatically.

MAXIMA CX 0W30 PLUS

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

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

5.2. Special hazards arising from the substance or mixture

Specific hazards Not known.

Hazardous combustion products A complex mixture of airborne solids, liquids and gases can be released. Smoke and irritating vapours as products of incomplete combustion. Carbon dioxide (CO₂). Carbon monoxide (CO).

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

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.

MAXIMA CX 0W30 PLUS

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).

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

No other information known.

Distillates (petroleum), hydrotreated heavy paraffinic baseoil

There is no available data.

Distillates (petroleum), solvent dewaxed heavy paraffinic

TWA: Workplace exposure limits

5 mg/m³

8 hours

STEL: Short term exposure limit

10 mg/m³

15 minutes.

Ingredient comments No other information known.

Biological limit values No other information known.

DNEL No other information known.

DMEL No other information known.

PNEC No other information known.

MAXIMA CX 0W30 PLUS

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

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

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

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

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

PNEC	Water; 0,1 mg/l
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Long-chain olefin sulphides

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

PNEC	- Water; 0,5 mg/l
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

When determining engineering controls and when choosing personal protection equipment, consider the possible risks of this substance (see Section 2), appropriate exposure limits, business activities and other substances in the workplace. If engineering controls and work practices are not sufficient to prevent exposure to harmful levels of this substance, the use of personal protective equipment as described in this section is recommended. Provide adequate ventilation.

Personal protection

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

Eye/face protection

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)

Hand protection

Use good industrial hygiene practices.

MAXIMA CX 0W30 PLUS

Other skin and body protection	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.
Hygiene measures	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.
Respiratory protection	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.
Thermal hazards	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.
Environmental exposure controls	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

Appearance	Liquid.
Colour	Brown.
Odour	Odorless or slightly petroleum oil
Odour threshold	No specific test data are available.
pH	Scientifically unjustified.
Melting point	No specific test data are available.
Initial boiling point and range	No specific test data are available.
Flash point	~ 230°C Cleveland open cup.
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	~ 0,84 @15C g/ml
Solubility(ies)	Insoluble in water.
Partition coefficient	No information available.

MAXIMA CX 0W30 PLUS

Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No specific test data are available.
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

Possibility of hazardous reactions	No hazardous reaction under normal conditions of storage and use.
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10.4. Conditions to avoid

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

Materials to avoid	Strong acids. Strong alkalis.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, irritating vapors and other products of incomplete combustion.
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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.

MAXIMA CX 0W30 PLUS

Acute toxicity - oral

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

Notes (oral LD₅₀) 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 LD₅₀) 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 LC₅₀) 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 Based on available data the classification criteria are not met.

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

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

Germ cell mutagenicity

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 Not known.

Carcinogenicity No specific test data are available.

Target organ for carcinogenicity No specific target organs known.

IARC carcinogenicity Not known.

NTP carcinogenicity Not known.

Reproductive toxicity

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

Reproductive toxicity - fertility No specific test data are available.

Reproductive toxicity - development No information is required.

MAXIMA CX 0W30 PLUS

Specific target organ toxicity - single exposure

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

STOT - single exposure No specific test data are available.

Target organs No specific target organs known.

Specific target organ toxicity - repeated exposure

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

STOT - repeated exposure No specific test data are available.

Target organs No specific target organs known.

Aspiration hazard

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

Aspiration hazard Based on available data the classification criteria are not met.

Toxicokinetics No information is required.

General information Information given is based on data of the components and of similar products.

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

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

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

Eye contact Based on available data the classification criteria are not met.

Acute and chronic health hazards Based on available data the classification criteria are not met.

Route of exposure No other information known.

Target organs No specific target organs known.

Medical symptoms No specific tes data are available.

Medical considerations No specific tes data are available.

Toxicological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic baseoil

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

Other health effects No information required.

Acute toxicity - oral

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

Notes (oral LD₅₀) LD₅₀ >5000 (OECD 401)/API 1982a mg/kg, Oral, Rat

Acute toxicity - dermal

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

Notes (dermal LD₅₀) LD₅₀ >5000 (OECD 402)/API 1982a mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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

MAXIMA CX 0W30 PLUS

Notes (inhalation LC₅₀)	LC50, 4h 5,53 (OECD 403)/Exxon Biomedical Sciences, Inc.(1988a) mg/l, Inhalation, Rat
<u>Skin corrosion/irritation</u>	
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.
<u>Serious eye damage/irritation</u>	
Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation	Based on available data the classification criteria are not met.
<u>Respiratory sensitisation</u>	
Summary	Based on available data the classification criteria are not met.
Respiratory sensitisation	Based on available data the classification criteria are not met.
<u>Skin sensitisation</u>	
Summary	Based on available data the classification criteria are not met.
Skin sensitisation	Based on available data the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
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.
<u>Carcinogenicity</u>	
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	Not listed.
NTP carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	
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.
<u>Specific target organ toxicity - single exposure</u>	
Summary	Based on available data the classification criteria are not met.

MAXIMA CX 0W30 PLUS

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

Target organs No specific target organs known.

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.

Target organs No specific target organs known.

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.

Distillates (petroleum), hydrogenated heavy paraffinic

Carcinogenicity

Carcinogenicity This product contains mineral oils which are severely refined and not considered carcinogenic. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

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)

1-decene homopolymer hydrogenated

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ >5000 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rat

Acute toxicity - inhalation

MAXIMA CX 0W30 PLUS

Notes (inhalation LC₅₀)	LC50 >5,2 (4h) mg/l, Inhalation, Rat
<u>Distillates (petroleum), solvent dewaxed heavy paraffinic</u>	
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >5000 mg/kg, Dermal, Rabbit NOAEL, Sub-akut 1000 mg/kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC50 >5,53 mg/l, 4 hour, Vapour Rat NOAEL, Sub-kronik 0,15 mg/l, 13 week, Vapour Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Moderately irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Moderately irritating.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome aberration, memeliler-hayvan: Negative.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility - Negative. , Oral, Rat
Reproductive toxicity - development	Maternal toxicity: - Negative.: , Oral, Rat Developmental toxicity: - Negative.: , Oral, Rat Teratogenicity: - Negative.: , Dermal, Rat
<u>Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik</u>	
<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 125 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >5000 mg/kg, Dermal, Rabbit NOAEL, Sub-kronik 30 mg/kg, Dermal, Rat, Female NOAEL, Sub-akut 1000 mg/kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	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
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Not irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Not irritating.
<u>Skin sensitisation</u>	

MAXIMA CX 0W30 PLUS

Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative.
<u>Carcinogenicity</u>	
Carcinogenicity	78 week, Negative., Dermal, Mouse
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility - Negative., Oral, Rat
Reproductive toxicity - development	Teratogenicity: - : Negative., Dermal, Rat Maternal toxicity: - Negative.: , Oral, Rat Developmental toxicity: - Negative.: , Oral, Rat

Bis(nonilfenil)amin

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat LOAEL, Sub-kronik 100 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Moderately irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome aberration: Negative. Gene mutation: Negative.
<u>Reproductive toxicity</u>	
Reproductive toxicity - development	Teratogenicity: - : Negative., Oral, Rat

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

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ 3100 mg/kg, Oral, Rat NOAEL, chronic 160 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2002 mg/kg, Dermal, Rat
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	LC ₅₀ >2,3 mg/l, 4 hour, Vapour Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Causes skin irritation.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye irritation.
<u>Skin sensitisation</u>	

MAXIMA CX 0W30 PLUS

Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Gene mutation: Positive. Micronucleus Test: Negative.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	Fertility - Negative., Oral, Rat
Reproductive toxicity - development	Maternal toxicity: - : Negative., Oral, Rat Developmental toxicity: - : Negative., Oral, Rat

Long-chain olefin sulphides

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >2000 mg/kg, Oral, Rat NOAEL, Sub-akut 1000 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Slightly irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Slightly irritating.
<u>Skin sensitisation</u>	
Skin sensitisation	Not sensitising.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Gene mutation, memeliler-hayvan: Negative. Chromosome aberration: Negative.
<u>Reproductive toxicity</u>	
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

<u>Acute toxicity - oral</u>	
Notes (oral LD₅₀)	LD ₅₀ >5000 mg/kg, Oral, Rat NOAEL, Sub-akut 200 mg/kg, Oral, Rat
<u>Acute toxicity - dermal</u>	
Notes (dermal LD₅₀)	LD ₅₀ >2000 mg/kg, Dermal, Rabbit NOAEL, Sub-akut 250 mg/kg, Dermal, Rat
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Slightly irritating.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Slightly irritating.

MAXIMA CX 0W30 PLUS

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

phenol, (tetrapropenyl) derivatives

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 2200 mg/kg, Oral, Rat NOAEL, Sub-kronik 15 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 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 LD₅₀) LD₅₀ >2000 mg/kg, Oral, Rat NOAEL, Sub-akut 100 mg/kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ >2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC₅₀) 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

MAXIMA CX 0W30 PLUS

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

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

2,6-di-tert-butyl-p-cresol

Reproductive toxicity

Reproductive toxicity - development Gestation to pregnant mice 6-13. days after di-tert-butyl-p-cresol up to 800 mg / kg / day, no teratogenic effect was observed. (Supplier information)

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 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 Based on available data the classification criteria are not met.

Acute toxicity - aquatic invertebrates Based on available data the classification criteria are not met.

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

Acute toxicity - microorganisms Based on available data the classification criteria are not met.

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

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 Based on available data the classification criteria are not met.

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

MAXIMA CX 0W30 PLUS

Summary	Based on available data the classification criteria are not met.
Acute toxicity - fish	LL ₅₀ , : >100 mg/l, Fish LL ₅₀ , 96 (OECD 203) hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	LL ₅₀ , 24 (OECD 202) hours: >10000 mg/l, Gammarus pulex EL50, 24 (OECD 202) hours: >10000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	No information required.
Acute toxicity - microorganisms	LL ₅₀ , : >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.

Distillates (petroleum), hydrogenated heavy paraffinic

Acute aquatic toxicity

Acute toxicity - aquatic invertebrates	EC ₅₀ , 2 day: >10000 mg/l, Daphnia magna EC ₅₀ , 21 day: >10 mg/l, Daphnia magna NOEC, 21 day: 10 mg/l, Daphnia magna
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1-decene homopolymer hydrogenated

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hour: >1000 mg/l, Salmo gairdneri (Rainbow trout) LC ₅₀ , 96 hour: >750 mg/l, Fathead Minnow
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hour: 190 mg/l, Daphnia Magna
Acute toxicity - aquatic plants	NOELR, 72 hour: 1000 mg/l, Selenastrum capricornutum, Static test Method: OECD Test Guideline 201

Distillates (petroleum), solvent dewaxed heavy paraffinic

Acute aquatic toxicity

Acute toxicity - fish	LL ₅₀ , 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	EL50, 48 hour: >10000 mg/l, Daphnia magna

MAXIMA CX 0W30 PLUS

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 LL₅₀, 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 EL50, 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

Bis(nonilfenil)amin

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hour: >100 mg/l, Danio rerio (Zebrafish)

Acute toxicity - aquatic invertebrates EL50, 48 hour: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EL50, 72 hour: 100 mg/l, Desmodesmus subspicatus

Acute toxicity - microorganisms IC₅₀, 3 hour: >100 mg/l, Micro-organisms

Chronic aquatic toxicity

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

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

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hour: 4,5 mg/l, Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates EL50, 48 hour: 23 mg/l, Daphnia magna

Acute toxicity - aquatic plants EL50, 72 hour: 24 mg/l, Desmodesmus subspicatus

Acute toxicity - microorganisms EL50, 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

Long-chain olefin sulphides

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hour: >100 mg/l, Oncorhynchus mykiss (Rainbow trout)

MAXIMA CX 0W30 PLUS

Acute toxicity - aquatic invertebrates	EL50, 48 hour: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 72 hour: >100 mg/l, Pseudokirchneriella subcapitata
<u>Chronic aquatic toxicity</u>	
Chronic toxicity - aquatic invertebrates	NOEL, 72 hour: 100 mg/l, Pseudokirchneriella subcapitata

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

Acute toxicity - fish	LL ₅₀ , 96 hour: >1000 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: >1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 96 hour: >500 mg/l, Desmodemus subspicatus
Acute toxicity - microorganisms	EL50, 3 hour: >10000 mg/l, Micro-organisms

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

LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LL ₅₀ , 96 hour: 40 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: 0,037 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EL50, 72 hour: 0,36 mg/l, Desmodemus subspicatus NOEL, 72 hour: 0,07 mg/l, Desmodemus 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)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hour: 0,876 mg/l, Danio rerio (Zebrafish)
Acute toxicity - aquatic invertebrates	EL50, 48 hour: 0,39 mg/l, Daphnia magna

MAXIMA CX 0W30 PLUS

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
<u>Chronic aquatic toxicity</u>	
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

2,6-di-tert-butyl-p-cresol**Acute aquatic toxicity**

LE(C)₅₀	0.1 < L(E)C50 ≤ 1
M factor (Acute)	1
Acute toxicity - aquatic invertebrates	EC ₅₀ , 2 day: 0,48 mg/l, Daphnia magna

Chronic aquatic toxicity

M factor (Chronic)	1
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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**

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

Distillates (petroleum), hydrogenated heavy paraffinic

Biodegradation	Oxygen discharge - 31 %: 28 day, OECD TG 301 F
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1-decene homopolymer hydrogenated

MAXIMA CX 0W30 PLUS

Biodegradation	Expected to be inherently biodegradable. (Supplier information) <u>Distillates (petroleum), solvent dewaxed heavy paraffinic</u>
Biodegradation	OECD 301 F - 31 %: 28 day <u>Damıtıklar (petrol), hidrojenle muamele edilmiş ağır parafinik</u>
Biodegradation	OECD 301 F - 31 %: 28 day <u>Bis(nonilfenil)amin</u>
Biodegradation	OECD 301 B - 1: % 28 day <u>Phosphorodithioic acid, mixed O,O-bis(1, 3-dimethylbutyl and iso-Pr) esters, zinc salts</u>
Biodegradation	OECD 301 B - 1,5 %: 28 day <u>Long-chain olefin sulphides</u>
Biodegradation	OECD 301 B - 45 %: 28 day <u>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased</u>
Biodegradation	OECD 301 B - 13,4 %: 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 <u>2,6-di-tert-butyl-p-cresol</u>
Biodegradation	Miscellaneous - 30 %: 14 day, OECD TG 302 C Oxygen discharge - 4,5 %: 28 day, OECD TG 301 C

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.

1-decene homopolymer hydrogenated

Bioaccumulative potential This material is not expected to bioaccumulate. (Supplier information)

Bis(nonilfenil)amin

MAXIMA CX 0W30 PLUS

Bioaccumulative potential log Pow: 3,64-7,02, BCF: 1730,

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

Bioaccumulative potential log Pow: 0,56,

phenol, (tetrapropenyl) derivatives

Bioaccumulative potential BCF: 289-1601,

2,6-di-tert-butyl-p-cresol

Partition coefficient log Kow: 5,03

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.
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.

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 No other information known.

Ecological information on ingredients.

Distillates (petroleum), hydrotreated heavy paraffinic baseoil

MAXIMA CX 0W30 PLUS

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

General information	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.
Disposal methods	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.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

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**

MAXIMA CX 0W30 PLUS

SECTION 15: Regulatory information

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

National regulations	T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization. T. C. Ministry of Environment and Urbanization Regulation on Safety Data Sheets on Hazardous Substances and Mixtures T. C. Ministry of Environment and Urbanization Guidelines for Safe Storage of Chemicals 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
EU legislation	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 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). https://echa.europa.eu
Guidance	Safety Data Sheets for Substances and Preparations.
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

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	E.U. : European union DMSO: Dimethyl sulfoxide KKE: Personal protective equipment T.C. : Republic of Turkey TWA: Workplace exposure limits UZEM: National Poison Information Center CAS: Chemical Abstracts Service. GHS: Globally Harmonized System. IATA: International Air Transport Association. 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. NOEC: No Observed Effect Concentration. EC ₅₀ : 50% of maximal Effective Concentration.
Classification abbreviations and acronyms	Asp. Tox. = Aspiration hazard Eye Irrit. = Eye irritation Aquatic Chronic = Hazardous to the aquatic environment (chronic) Acute Tox. = Acute toxicity STOT RE = Specific target organ toxicity-repeated exposure Aquatic Acute = Hazardous to the aquatic environment (acute)

MAXIMA CX 0W30 PLUS

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. 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.
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	Not classified for physical hazards., Eye Irrit. 2 - H319, Aquatic Chronic 3 - H412: Calculation method., Supplier information
Training advice	Untrained personnel should not use.
Revision comments	This is the first issue.
Issued by	Sevda ŞAHAN Certified Safety Data Sheet Preparer (Certificate Id:GBF01.23.08;Dates: 03.11.2018-03.11.2021)
Revision	0
Supersedes date	01/08/2020
SDS number	20749
Hazard statements in full	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.

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