



Part I
SAFETY DATA SHEET
MAXIMA CX 5W-30

Dated December 13, 2014 and numbered 29204, "Ministry of Environment and Urbanization Regarding Hazardous Substances and Mixtures
It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

PART 1: Identity of the substance / mixture and company / distributor

1.1. Substance / Mixture identity

Name of the product MAXIMA CX 5W-30
Item number 11206

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

Engine oil.

Uses not recommended Use only for the intended purpose.

1.3. Information of the safety data sheet supplier

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

Contact person Customer Service: mineiyag@petrolofisi.com.tr

1.4. Emergency phone number

Emergency phone number Mineral Oil Customer Service: 0850 339 1919 (office hours)

National emergency phone National Poison Information Center (UZEM): 114 Emergency Health Services: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification TC 28848

Physical damages Not classified as harmful
Health hazards Eye Irrit. 2- H319 Aquatic
Environmental damages Chronic 3- H412

2.2. Label elements

Hazard sign



Warning word Attention

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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 a few 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 damages

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrogen treated heavy paraffinic base oil	80-95%	
CAS number: 64742-54-7	EC number: 265-157-1	REACH registration number: 012119484627-25-0065
Classification	Asp. Full. 1- H304	
Mineral Oil	1-5%	
CAS number: 64742-55-8		
Classification	Not classified as harmful	
Distillates (petroleum), solvent polished heavy paraffinic	1-5%	
CAS number: 64742-65-0	EC number: 265-169-7	
Classification	Not classified as harmful	
Distillates (petroleum), hydrogen treated heavy paraffinic	1-5%	
CAS number: 64742-54-7	EC number: 265-157-1	
Classification	Not classified as harmful	

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Phosphorodithioic acid, O, O-bis (1, 3-dimethylbutyl and iso-Pr) esters mixture, 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	
Bis (nonylphenyl) amine	1-5%
CAS number: 36878-20-3	EC number: 253-249-4
Classification Aquatic Chronic 4- H413	
Long chain olefin sulphides	<1%
CAS number: -	
Classification Aquatic Chronic 4- H413	
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, high base	<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. Fog. Full. 1B- H360 Aquatic Acute 1- H400 Aquatic Chronic 1- H410	

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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	

The full text of the hazard statements is given in Section 16.

Reviews on the composition Some materials do not have a classification according to the legislation in force. The classification has been made by the manufacturer company. DMSO ratio is less than 3% according to IP 346.

Content notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures General

information	If discomfort continues, seek medical attention.
Breathing	If in doubt, seek medical advice immediately.
Swallowing	Do not try to induce vomiting. Rinse mouth thoroughly with water. If discomfort continues, seek medical attention.
Skin contact	If discomfort continues, seek medical attention.
Eye contact	Remove affected person from source of contamination. Remove contact lenses if present and open eyelids wide open. Continue flushing for at least 15 minutes and seek medical attention.
First aid workers preservation	First aid personnel should wear appropriate protective equipment during rescue.

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

information	See Section 11 for additional information on health hazards.
Breathing	There are no specific symptoms known.
Swallowing	There are no specific symptoms known.
Skin contact	There are no specific symptoms known.
Eye contact	Causes serious eye irritation.

4.3. Indication of any medical attention and special treatment needed Information to be

given to the doctor	No specific treatment is recommended. Treat according to symptoms.
Special treatments	Treat symptomatically.

SECTION 5: Firefighting measures

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5.1. Fire extinguishers

Suitable extinguishing agents The product is not flammable. Use an appropriate extinguishing agent to contain the fire.

Unsuitable extinguisher substances Do not use water jet to extinguish the fire, in case the fire spreads.

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

Harmful combustion products Not known.
A complex mixture of airborne solids, liquids and gases can be released. Irritating vapors and smoke as a result of incomplete combustion. Unidentified organic or inorganic compounds. Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrogen oxides. Sulfur oxides. Phosphorus oxides. Metal oxide (s). Hydrogen sulfide (H₂S).

5.3. Advice for firefighters

During fire fighting preservative to be taken measures Avoid breathing fire gases or vapors. Flowing fire-fighting water, Take control by limiting and blocking access to sewers and waterways.

For firefighters special protective equipment Positive pressure self-contained breathing apparatus and suitable protective clothing
get dressed.

SECTION 6: Accidental release measures

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

Wear protective clothing as shown in Section 8 of this Safety Data Sheet.

Emergency personnel for those who are not Necessary precautions should be taken so that personnel who do not have proper training do not interfere.

For emergency responders NOTICE: Report spillage to local authorities, as appropriate or necessary. Stop the source of the leak if it can be done without risk. Limit the spill to prevent further contamination of the soil, surface or underground water. Clean up the spilled material as soon as possible, following the precautions in the Exposure Controls / Personal Protection section. Use non-flammable absorbent materials or appropriate techniques such as pumping. Whenever possible or see fit, dig out the contaminated soil from the area. Place contaminated items in disposable containers and dispose of them in accordance with regulations. In the event of a spill of heated substance, allow it to cool before handling by disposal methods. Proper ventilation should be provided.

6.2. Environmental measures

Environmental measures Avoid spilling into drains, watercourses or soil.

6.3. Methods and materials for containment and cleaning

Spill removal methods If possible, stop the leak provided there is no danger. Vermiculite, dry sand or soak in soil and place in containers. Wash the contaminated area with copious amounts of water. Avoid spillage or runoff entering drains, sewers or watercourses.

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6.4. Reference to other sections

Reference to other sections See Section 1 for emergency contact information. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Usage

precautions Avoid spilling. Wear protective clothing, gloves, eye and face protection.

On general occupational hygiene Good personal hygiene procedures should be followed.

advices

7.2. Conditions for safe storage, including any incompatibilities Storage

measures Store in tightly closed original packaging in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use (s)

Specific end use (s) The identified uses for this product are detailed in Section 1.2. It should be used as specified in the

Directions for use product data sheet.

SECTION 8: Exposure Controls / personal protection

8.1. Control parameters

Occupational exposure limits

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

There is no suitable information.

Mineral Oil

Mineral oil - Inhalable fraction: TWA: 5 mg / m³, USA. ACGIH Threshold Limit Values (03 2014)

Distillates (petroleum), solvent polished heavy paraffinic

TWA: Workplace exposure limits 5 mg / m³

8 hours

STEL: Short term exposure limit 10 mg / m³

15 minutes.

Distillates (petroleum), hydrogen treated heavy paraffinic

TLV / TWA

EU OEL

5 mg / m³

8 hours

Content notes WEL = Workplace Exposure Limits No further

Biological limit values information available.

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DNEL	No other information is available.
DMEL	No other information is available.
PNEC	No other information is available.

Distillates (petroleum), hydrogen treated heavy paraffinic base oil (CAS: 64742-54-7)

Content notes	There is no suitable information.
Biological limit values	There is no suitable information.
DNEL	Staff - Breathing; 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	There is no suitable information.
PNEC	There is no suitable information.

8.2. Exposure controls Protective

equipment



Proper engineering controls

Provide adequate ventilation. Avoid breathing vapors.

Personal protection

Keep away from foodstuffs, food and drink. Instantly remove contaminated and soaked clothing. Wash hands during breaks and after work. Store protective equipment separately. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Eye / Face protection

If the risk assessment indicates the possibility of eye contact, eye protection compliant with an approved standard should be used. The following protective equipment should be used: Goggles or face shield against splashes of chemicals.

Hand protection

If the risk assessment indicates that skin contact is possible, chemical resistant waterproof gloves complying with an approved standard should be used.

Other skin and body protection Health

Wear appropriate clothing to prevent any skin contact.

measures

Provide eyewash place. Do not smoke in the work area. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Take off contaminated clothing immediately. Use a suitable skin cream to prevent the skin from drying out.

Respiratory system preservation

There are no special storage measures recommended. Respiratory protection may be required if excessive air contamination occurs.

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Thermal damages	If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be used.
Environmental exposure controls	Compliance of ventilation emissions and work process equipment with environmental protection legislation requirements should be checked. Store in a confined area surrounded by a bund to prevent leakage into drains and / or water sources.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties Appearance

	Liquid.
Color	Yellow.
Smell	Matter specific.
Odor threshold	No other information is available.
pH	Scientifically unjustified.
Melting point / freezing point	No other information is available.
Initial boiling point and boiling range	No other information is available.
Flash point	~ 230 ° C OC (Open cup). No other information is available.
Evaporation rate	No other information is available.
Evaporation factor	No other information is available.
Flammability (solid, gas)	No other information is available.
Upper / Lower flammability or explosive limits	No other information is available.
Other flammability	No other information is available.
Vapor pressure	No other information is available.
Vapor density	No other information is available.
Relative density	There is no specific test data available. ~ 0.85
Volumetric density	@ 15C g / ml
Resolution (s)	It is insoluble in water.
Partition coefficient	No other information is available.
Self ignition temperature	No other information is available.
Decomposition temperature	No other information is available.
Viscosity	9.3-12.5 cSt @ 100 ° C
Explosive properties	There is no specific test data available.

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Explosive under the influence of flame No other information is available.

Oxidizing properties No other information is available.

Descriptions No other information is available.

9.2. Other informations

Other informations Required information is not available.

Refractive index There is no specific test data available. There is

Particle size no specific test data available. There is no

Molecular weight specific test data available. There is no specific

Volatility test data available. There is no specific test data

Saturation concentration available. There is no specific test data available.

Critical temperature There is no specific test data available.

Volatile organic compound

SECTION 10: Stability and reactivity

10.1. Reaction

Reaction The product is stable under normal conditions.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous reactions will not occur under normal conditions of storage and use.

10.4. Conditions to avoid Conditions to avoid Avoid excessive heat for a long time. Avoid contact with strong oxidizing agents.

10.5. Incompatible materials Materials to avoid Strong alkalis. Strong acids. Strong oxidizing agents. Strong reducing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen sulfide (H₂S).

SECTION 11: Toxicological information

11.1. Information on toxicological effects Toxic

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

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

Acute toxicity - oral

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Summary	Based on available data, the classification criteria are not met. Based on
Notes (oral LD₅₀)	available data, the classification criteria are not met.
Acute toxicity - dermal Summary	
	Based on available data, the classification criteria are not met. Based on
Notes (dermal LD₅₀)	available data, the classification criteria are not met.
Acute toxicity - inhalation	
Summary	Based on available data, the classification criteria are not met. Based on
Notes (inhalation LC₅₀)	available data, the classification criteria are not met.
Skin corrosion / irritation	
Summary	Based on available data, the classification criteria are not met. Based on
Skin corrosion / irritation	available data, the classification criteria are not met. Based on available data,
Animal data	the classification criteria are not met. Based on available data, the
Human skin model test Extreme	classification criteria are not met. Based on available data, the classification
pH	criteria are not met.
Serious eye damage / irritation	
Summary	Causes serious eye irritation. Supplier
Serious eye damage / irritation	information.
Respiratory sensitization	
Summary	Based on available data, the classification criteria are not met. Based on
Respiratory tract sensitization	available data, the classification criteria are not met.
Skin sensitization	
Summary	Based on available data, the classification criteria are not met. Based on
Skin sensitization	available data, the classification criteria are not met.
Germ cell mutagenicity	
Summary	Based on available data, the classification criteria are not met. Based on
Genotoxicity - in vitro	available data, the classification criteria are not met. Based on available data,
Genotoxicity - in vivo	the classification criteria are not met.
Carcinogenicity	
Summary	Based on available data, the classification criteria are not met. Based on
Carcinogenicity	available data, the classification criteria are not met. There are no known
Target for carcinogenicity organs	specific target organs.

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IARC carcinogenicity	Based on available data, the classification criteria are not met. Based on
NTP carcinogenicity	available data, the classification criteria are not met.
Reproductive toxicity	
Summary	Based on available data, the classification criteria are not met. Based on
Reproductive system toxicity	available data, the classification criteria are not met.
fertility	
Reproductive system toxicity	Based on available data, the classification criteria are not met.
developmental	
Specific target organ toxicity - single exposure Summary	
	Based on available data, the classification criteria are not met.
BHOT- single exposure	Based on available data, the classification criteria are not met.
Target organs	Based on available data, the classification criteria are not met.
Specific target organ toxicity - repeated exposure Summary	
	Based on available data, the classification criteria are not met.
BHOT- repeated exposure	Based on available data, the classification criteria are not met.
Target organs	There are no known specific target organs.
Aspiration hazard	
Summary	Based on available data, the classification criteria are not met. Based on
Aspiration hazard	available data, the classification criteria are not met.
Toxicokinetics	
General information	No other information is available.
Breathing	Gas or vapor in high concentrations may irritate the respiratory system. The following symptoms may occur after overexposure: Cough.
Swallowing	May cause discomfort if swallowed. The liquid can
Contact with skin	irritate the skin.
Eye contact	May cause temporary eye irritation.
Acute and chronic health hazards	No other information is available.
Contact ways	No other information is available.
Target organs	No other information is available.
Medical symptoms	No other information is available.
Medical opinions	No other information is available.
Toxicological information on ingredients	

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Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Toxic effects	The information given is based on the data of the components and similar products. Required information
Other health effects	is not available.
<u>Acute toxicity - oral Summary</u>	
	Based on available data, the classification criteria are not met. LD ₅₀ > 5000
Notes (oral LD₅₀)	(OECD 401) / API 1982a mg / kg, Oral, Rat
<u>Acute toxicity - dermal Summary</u>	
	Based on available data, the classification criteria are not met. LD ₅₀ > 5000
Notes (dermal LD₅₀)	(OECD 402) / API 1982a mg / kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Summary	Based on available data, the classification criteria are not met.
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. Based on
Skin corrosion / irritation	available data, the classification criteria are not met. Based on available data,
Animal data	the classification criteria are not met. Based on available data, the
Human skin model test	classification criteria are not met. Based on available data, the classification
Excessive pH	criteria are not met.
<u>Serious eye damage / irritation</u>	
Summary	Based on available data, the classification criteria are not met. Based on
Serious eye damage / irritation	available data, the classification criteria are not met.
<u>Respiratory sensitization</u>	
Summary	Based on available data, the classification criteria are not met.
Respiratory tract sensitization	Based on available data, the classification criteria are not met.
<u>Skin sensitization</u>	
Summary	Based on available data, the classification criteria are not met. Based on
Skin sensitization	available data, the classification criteria are not met.
<u>Germ cell mutagenicity</u>	
Summary	Based on available data, the classification criteria are not met.

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Genotoxicity - in vitro	Based on available data, the classification criteria are not met. Based on
Genotoxicity - in vivo	available data, the classification criteria are not met.
<u>Carcinogenicity</u>	
Summary	Based on available data, the classification criteria are not met. Based on
Carcinogenicity	available data, the classification criteria are not met. There are no known
Target for carcinogenicity organs	specific target organs.
IARC carcinogenicity	Not listed.
NTP carcinogenicity	Not listed.
<u>Reproductive toxicity</u>	
Summary	Based on available data, the classification criteria are not met.
Reproductive system toxicity fertility	Based on available data, the classification criteria are not met.
Reproductive system toxicity developmental	Based on available data, the classification criteria are not met.
<u>Specific target organ toxicity - single exposure Summary</u>	
	Based on available data, the classification criteria are not met.
BHOT- single exposure	Based on available data, the classification criteria are not met.
Target organs	There are no known specific target organs.
<u>Specific target organ toxicity - repeated exposure Summary</u>	
	Based on available data, the classification criteria are not met.
BHOT- repeated exposure stay	Based on available data, the classification criteria are not met.
Target organs	There are no known specific target organs.
<u>Aspiration hazard</u>	
Summary	In case of inhalation, slight irritation of the respiratory tract may occur. Fatal if it enters
Aspiration hazard	the respiratory tract and is swallowed.
Toxicokinetics	Required information is not available.
General information	Required information is not available.
Breathing	Required information is not available.
Swallowing	Required information is not available.

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Contact with skin	Required information is not available.
Eye contact	Required information is not available.
Acute and chronic health hazards	Required information is not available.
Contact ways	Required information is not available.
Target organs	There are no known specific target organs. Required
Medical symptoms	information is not available.
Medical opinions	Required information is not available.

Mineral Oil

Carcinogenicity

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

Specific target organ toxicity - single exposure

BHOT- single exposure If the material is misted or vapors are generated by heating, exposure may cause irritation to mucous membranes and upper respiratory tract. (Supplier information)

Aspiration hazard

Aspiration hazard The material may cause aspiration in the lungs during the swallowing or vomiting process. (Supplier information)

Distillates (petroleum), solvent polished heavy paraffinic

Acute toxicity - oral

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

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 5000 mg / kg, Dermal, Rabbit NOAEL, Sub-acute 1000 mg / kg, Dermal, Rabbit

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC50> 5.53 mg / l, 4 hours, Vapor Rat NOAEL, Sub-chronic 0.15 mg / l, 13 weeks, Vapor Rat

Skin corrosion / irritation

Skin corrosion / irritation Moderately irritating.

Serious eye damage / irritation

Serious eye damage / irritation Moderately irritating.

Respiratory sensitization

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Respiratory tract sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. Chromosomal disorder, mammals-animal: Negative.

Reproductive toxicity

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

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

Distillates (petroleum), hydrogen treated heavy paraffinic

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 5000 mg / kg, Oral, Rat LOAEL, Sub-chronic 125 mg / kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 5000 mg / kg, Dermal, Rabbit NOAEL, Sub-chronic 30 mg / kg, Dermal, Rat, Female NOAEL, Sub-acute 1000 mg / kg, Dermal, Rabbit

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC50> 5.53 mg / l, 4 hours, Vapor Rat NOAEL, Sub-chronic 0.22 mg / l, 4 weeks, Dust / Fog Rat NOAEL, Sub-chronic 0.15 mg / l, 13 weeks, Dust / Fog Rat

Skin corrosion / irritation

Skin corrosion / irritation Moderately irritating.

Serious eye damage / irritation

Serious eye damage / irritation Moderately irritating.

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

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

Carcinogenicity

Carcinogenicity 78 weeks, Negative., Dermal, Mouse

Reproductive toxicity

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

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

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

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 3100 mg / kg, Oral, Rat NOAEL, chronic 160 mg / kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 2002 mg / kg, Dermal, Rat

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC₅₀> 2.3 mg / l, 4 hours, Vapor Rat

Skin corrosion / irritation

Skin corrosion / irritation Causes skin irritation.

Serious eye damage / irritation

Serious eye damage / irritation Causes serious eye irritation.

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. Gene mutation: Positive. Micronucleus Test: Negative.

Reproductive toxicity

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

Reproductive system toxicity developmental Maternal toxicity: -: Negative., Oral, Rat Developmental toxicity: -: Negative., Oral, Rat

Bis (nonylphenyl) amine

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 5000 mg / kg, Oral, Rat LOAEL, Sub-chronic 100 mg / kg, Oral, Rat

Acute toxicity - dermal

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

Skin corrosion / irritation

Skin corrosion / irritation Moderately irritating.

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

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

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Reproductive toxicity

Reproductive system toxicity Teratogenicity: -: Negative., Oral, Rat
developmental

Long chain olefin sulphides

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 2000 mg / kg, Oral, Rat NOAEL, Sub-acute 1000 mg / kg, Oral, Rat

Acute toxicity - dermal

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

Skin corrosion / irritation

Skin corrosion / irritation Slightly irritating.

Serious eye damage / irritation

Serious eye damage / irritation Slightly irritating.

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Bacterial reverse mutation test: Negative. Gene mutation, mammals-animal: Negative. Chromosome disorder: Negative.

Reproductive toxicity

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

Reproductive system toxicity Maternal toxicity: -: Negative., Oral, Rat Developmental toxicity: -: Negative., Oral, Rat
developmental

Phenol, dodecyl-, sulphurised, carbonates, calcium salts, high base

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 5000 mg / kg, Oral, Rat NOAEL, Sub-acute 200 mg / kg, Oral, Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 2000 mg / kg, Dermal, Rabbit NOAEL, Sub-acute 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, mammals-animal: Negative.

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Reproductive toxicity

Reproductive system toxicity Teratogenicity: -: Negative., Oral, Rat
developmental

Interchangeable neutral oils

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀> 2000 mg / kg, Oral, Rat

Acute toxicity - dermal

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

phenol, (tetrapropenyl) derivatives

Acute toxicity - oral

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

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀ 15000 mg / kg, Dermal, Rabbit

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

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

Reproductive system toxicity

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

Reproductive system toxicity Maternal toxicity: -: Positive., Oral, Rat Developmental toxicity: -: Positive., Oral, Rat
developmental

Alcohols, C12-14, ethoxylated (even numbered) 1-2.5EO

Acute toxicity - oral

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

Acute toxicity - dermal

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

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC₅₀> 1.6 mg / l, 4 hours, Vapor Rat

Skin corrosion / irritation

Skin corrosion / irritation Corrosive to the skin.

Serious eye damage / irritation

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Serious eye damage / irritation	Causes serious eye irritation.
Skin sensitization	
Skin sensitization	Not sensitizing.
Germ cell mutagenicity	
Genotoxicity - in vitro	Bacterial reverse mutation test: Negative. Chromosome disorder: Negative.
Reproductive system toxicity	
Reproductive system toxicity fertility	Fertility - Negative., Dermal, Rat
Reproductive system toxicity developmental	Maternal toxicity: -: Positive., Dermal, Rat Developmental toxicity: -: Negative., Dermal, Rat

SECTION 12: Ecological information

Ecotoxicity Harmful in aquatic environment.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

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

12.1. Toxicity

Toxicity Long-lasting, harmful effect in the aquatic environment.

Acute aquatic toxicity

Summary No other information is available.

Acute toxicity - fish There is no specific test data available. There is

Acute toxicity - aquatic invertebrates no specific test data available.

Acute toxicity - aquatic plants There is no specific test data available. There is

Acute toxicity microorganisms no specific test data available.

Acute toxicity - terrestrial organisms There is no specific test data available.

Chronic aquatic toxicity

Summary There is no specific test data available. There is

Chronic toxicity- in fish early life stage no specific test data available.

Short term toxicity - embryo and early larval stages There is no specific test data available.

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Chronic toxicity- aquatic invertebrates	There is no specific test data available.
Toxicity to soil	There is no specific test data available. There is
Toxicity to terrestrial plants Ecological	no specific test data available.

information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Toxicity	Based on available data, the classification criteria are not met.
<u>Acute aquatic toxicity</u>	
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 (Golyan Fish)
Acute toxicity - aquatic invertebrates	LL ₅₀ , 24 (OECD 202) hours:> 10000 mg / l, Aquatic shrimp EL50, 24 (OECD 202) hours:> 10000 mg / l, Water flea
Acute toxicity - aquatic plants	Required information is not available.
Acute toxicity microorganisms	LL ₅₀ ,> 100 mg / l, Micro-organisms
Acute toxicity - on land living organisms	Required information is not available.
<u>Chronic aquatic toxicity</u>	
Summary	Based on available data, the classification criteria are not met.
Chronic toxicity- in fish early life stage	Required information is not available.
Short term toxicity embryo and early larval stages	Required information is not available.
Chronic toxicity- aquatic invertebrates	Required information is not available.
Toxicity to soil	Required information is not available.
For terrestrial plants toxicity	Required information is not available.

Distillates (petroleum), solvent polished heavy paraffinic

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LL ₅₀ , 96 hours:> 100 mg / l, Pimephales promelas (Golyan Fish) NOEL, chronic, 14 days: 1000 mg / l, Oncorhynchus mykiss (rainbow trout)

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Acute toxicity - aquatic invertebrates EL50, 48 hours:> 10000 mg / l, daphnia

Chronic aquatic toxicity

Chronic toxicity- aquatic invertebrates NOEL, 21 days: 10 mg / l, Water flea
NOEL, 72 hours:> = 100 mg / l, Pseudokirchneriella subcapitata

Distillates (petroleum), hydrogen treated heavy paraffinic

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours:> 100 mg / l, Pimephales promelas (Golyan Fish)
NOEL, chronic, 14 days: 1000 mg / l, Oncorhynchus mykiss (rainbow trout)

Acute toxicity - aquatic invertebrates EL50, 48 hours:> 10000 mg / l, daphnia

Chronic aquatic toxicity

Chronic toxicity- aquatic invertebrates NOEL, 21 days: 10 mg / l, Water flea
NOEL, 72 hours:> = 100 mg / l, Pseudokirchneriella subcapitata

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

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours: 4.5 mg / l, Oncorhynchus mykiss (rainbow trout) EL50, 48 hours: 23

Acute toxicity - aquatic invertebrates mg / l, daphnia

Acute toxicity - aquatic plants EL50, 72h: 24 mg / l, Desmodemus subspicatus

Acute toxicity microorganisms EL50, 3 hours:> 10000 mg / l, Micro-organisms

Chronic aquatic toxicity

Chronic toxicity- aquatic invertebrates NOEL, 21 days: 0.4 mg / l, Water flea
NOEC, 72 hours: 10 mg / l, Desmodemus subspicatus

Bis (nonylphenyl) amine

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours:> 100 mg / l, Danio rerio (Zebrafish) EL50, 48

Acute toxicity - aquatic invertebrates hours:> 100 mg / l, Water flea

Acute toxicity - aquatic plants EL50, 72h: 100 mg / l, Desmodemus subspicatus

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

Chronic aquatic toxicity

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Chronic toxicity- aquatic invertebrates NOEL, 72 hours:> 10 mg / l, Algae

Long chain olefin sulphides

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours:> 100 mg / l, Oncorhynchus mykiss (rainbow trout) EL50, 48 hours:>

Acute toxicity - aquatic invertebrates 100 mg / l, daphnia

Acute toxicity - aquatic plants EL50, 72h:> 100 mg / l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity- aquatic invertebrates NOEL, 72h: 100 mg / l, Pseudokirchneriella subcapitata

Phenol, dodecyl-, sulfurized, carbonates, calcium salts, high base

Acute aquatic toxicity

Acute toxicity - fish LL₅₀, 96 hours:> 1000 mg / l, Pimephales promelas (Golyan Fish) EL50, 48 hours:>

Acute toxicity - aquatic invertebrates 1000 mg / l, Water flea

Acute toxicity - aquatic plants EL50, 96 hours:> 500 mg / l, Desmodemus subspicatus

Acute toxicity microorganisms EL50, 3 hours:> 10000 mg / l, Micro-organisms

phenol, (tetrapropenyl) derivatives

Acute aquatic toxicity

L (E) C₅₀ 0.01 <L (E) C₅₀ ≤ 0.1 10

M factor (acute)

Acute toxicity - fish LL₅₀, 96 hours: 40 mg / l, Pimephales promelas (Golyan Fish) EL50, 48 hours:

Acute toxicity - aquatic invertebrates 0.037 mg / l, Water flea

Acute toxicity - aquatic plants EL50, 72h: 0.36 mg / l, Desmodemus subspicatus
NOEL, 72 hours: 0.07 mg / l, Desmodemus subspicatus

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

Chronic aquatic toxicity

M factor (chronic) 10

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Chronic toxicity- aquatic invertebrates NOEL, 21 days: 0.0037 mg / l, Water flea

Alcohols, C12-14, ethoxylated (even numbered) 1-2.5EO

Acute aquatic toxicity

L (E) C₅₀ 0.1 <L (E) C₅₀ ≤ 1 l

M factor (acute)

Acute toxicity - fish LC₅₀, 96 hours: 0.876 mg / l, Danio rerio (Zebrafish) EL50, 48 hours:

Acute toxicity - aquatic invertebrates 0.39 mg / l, Water flea

Acute toxicity - aquatic plants EL50, 72h: 0.41 mg / l, Pseudokirchneriella subcapitata
NOEL, 72h: 0.31 mg / l, Pseudokirchneriella subcapitata

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

Chronic aquatic toxicity

Chronic toxicity- in fish early life stage NOEC, 10 days: 0.16 mg / l, Pimephales promelas (Golyan Fish)

Chronic toxicity- aquatic invertebrates NOEC, 21 days: 0.77 mg / l, daphnia

12.2. Persistence and degradability

Persistence and degradability There is no specific test data available. There is

Phototransformation no specific test data available. There is no

Stability (hydrolysis) specific test data available. There is no specific

Biodegradation test data available. There is no specific test data

Biological oxygen demand available. There is no specific test data available.

Chemical oxygen demand

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

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

Phototransformation Insufficient data.

Stability (hydrolysis) Insufficient data.

Biodegradation Insufficient data.

Biological oxygen demand Insufficient data.

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Chemical oxygen demand	Insufficient data. <u>Distillates (petroleum), solvent polished heavy paraffinic</u>
Biodegradation	OECD 301 F - 31%: 28 days <u>Distillates (petroleum), hydrogen treated heavy paraffinic</u>
Biodegradation	OECD 301 F - 31%: 28 days <u>Phosphorodithioic acid, O, O-bis (1, 3-dimethylbutyl and iso-Pr) esters mixture, zinc salts</u>
Biodegradation	OECD 301 B - 1,5%: 28 days <u>Bis (nonylphenyl) amine</u>
Biodegradation	OECD 301 B - 1: 28% days <u>Long chain olefin sulphides</u>
Biodegradation	OECD 301 B - 45%: 28 days <u>Phenol, dodecyl-, sulfurized, carbonates, calcium salts, high base</u>
Biodegradation	OECD 301 B - 13.4%: 28 days <u>phenol, (tetrapropenyl) derivatives</u>
Biodegradation	OECD 301 B - 6-25%: 28 days <u>Alcohols, C12-14, ethoxylated (even numbered) 1-2.5EO</u>
Biodegradation	- 95%: 28 days

12.3. Bioaccumulative potential

Bioaccumulative potential	There is no specific test data available. No
Partition coefficient	other information is available.

Ecological information on ingredients

	<u>Distillates (petroleum), hydrogen treated heavy paraffinic base oil</u>
Bioaccumulative potential	Insufficient data.
Partition coefficient	Insufficient data.
	<u>Phosphorodithioic acid, O, O-bis (1, 3-dimethylbutyl and iso-Pr) esters mixture, zinc salts</u>
Bioaccumulative potential	log Pow: 0.56,

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Bis (nonylphenyl) amine

Bioaccumulative potential log Pow: 3.64-7.02, BCF: 1730,

phenol, (tetrapropenyl) derivatives

Bioaccumulative potential BCF: 289-1601,

12.4. Mobility in soil

Mobility The product does not mix with water and spreads on the water surface.

Adsorption / desorption coefficient There is no specific test data available.

Henry's law constant There is no specific test data available. There is

Surface tension no specific test data available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Mobility No data available.

Adsorption / desorption coefficient Insufficient data.

Henry's law constant Insufficient data.

Surface tension Insufficient data.

12.5. Results of PBT and vPvB assessment

PBT and vPvB results of the assessment It is not relevant.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

PBT and vPvB of evaluation results It is not relevant.

12.6. Other adverse effects Other

adverse effects No other information is available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Other adverse effects This product contains components that have an aquatic effect. Prevent from entering soil, rivers and sewers.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods General

information

Waste generation should be minimized or avoided wherever possible. Wastes, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents.

Waste treatment methods

Dispose of waste in a licensed waste disposal facility in accordance with the requirements of the local Waste Disposal Authorities. The environmental authority must be informed about all major spills. Avoid spillage or runoff entering drains, sewers or watercourses.

Waste class

Waste code classification should be carried out according to the European Waste Catalog (EWC).

SECTION 14: Transport information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

There is no required transport warning sign.

14.4. Packing group

Not applicable.

14.5. Environmental damages

Environmentally harmful / marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

MARPOL 73/78 Annex II and IBC

Not applicable.

pouring by code

transportation

SECTION 15: Regulatory information

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

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National regulations	Republic of Turkey Ministry of Environment and Urbanization Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated December 11, 2013, No.
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guide	Safety Data Sheet for substances and preparations. Source: European Chemicals Agency, http://echa.europa.eu/

SECTION 16: Other information

**In the safety data sheet
used abbreviations and
acronyms**

TWA: Workplace exposure limits DMSO:
Dimethyl sulfoxide
EU: European Union
PPE: Personal protective equipment STEL: Short
term exposure limit UZEM: National Poison
Information Center
DNEL: Derived no-effect level. CAS: Chemical Abstracts
Service.
IATA: International Air Transport Association.
ICAO: Technical Specifications for the Safe Transport of Dangerous Goods by Air. IMDG: International
Maritime Dangerous Goods.
LC50: The concentration of the substance causing 50% (half) death in the test animal group.
LD50: Dose of substance (Median Lethal Dose) that caused 50% (half) death in the test animal group.

PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Observed Effect Concentration.
REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of
Chemicals.
RID: European Agreement Relating to the International Carriage of Dangerous Goods by Rail. vPvB: Very Persistent, Very
Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution from Ships of 1973, as amended by the 1978
Protocol.
BCF: Bioconcentration Factor.
EC₅₀: Effective Concentration of the substance causing 50% maximum response.
NOAEL: No Side Effects Level.
NOAEC: Concentration with No Side Effects Observed. NOEC:
No-Effect Concentration. DMEL: Derived Minimal Effect Level.

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Abbreviations and acronyms

Asp. Full. = Aspiration harm
BHOT Single Mrz. = Specific Target Organ Toxicity - Single exposure
BHOT Again. Mrz. = Specific Target Organ Toxicity - Repeated exposure Skin Corr. = Skin abrasion
Skin Sensitive. = Skin sensitization Skin Irrit. = Skin irritation
Eye Dam. = Eye damage Eye Irrit. = Eye irritation Kans. = Carcinogenicity
Aquatic Acute = Harmful to the aquatic environment (acute) Aquatic Chronic = Harmful to the aquatic environment (chronic)

General information

Only trained personnel should use this material. This document contains important information for the safe storage, transport and use of this product. The information in this document should be brought to the attention of the person responsible for security issues in your organization. Material Safety Data Sheet Distribution: The information in this document should be made available to all persons who can handle this product. Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only. For this reason, it should not be interpreted as guaranteeing any specific feature of the product.

Main literature references and sources of information

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

Dated December 11, 2013 and 28848

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

According to the regulation numbered classification conditions

Education advice

Untrained personnel should not be used.

Revision comments by

Adding content information. Revised classification.

Emrah Finger TSE Certified Safety Data Sheet Editor. (Certificate number: GBF-1917) Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date: 03.11.2018-03.11.2021)

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How many regulations

2nd

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All of the hazard statements

H304 Fatal if swallowed and enters respiratory tract. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation.

H318 Causes serious eye damage. H319

Causes serious eye irritation.

H360 May cause damage to the unborn child or damage fertility if swallowed. H400 Very toxic to aquatic environment.

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 environment.

This information relates only to a specific specific substance and should not be used in a composition or any process where the same substance is used in combination with other substances. This information is accurate and reliable as of the date specified, within the firm's high level knowledge and opinion. However, no warranty or representation can be made for its accuracy, reliability or completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use.