



Part I
SAFETY DATA SHEET
MAXIMA HYBRID 0W-16

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 HYBRID 0W-16
Item number 11110

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

Engine oil.

Uses not recommended This product can be used without the recommendation of the supplier in advance.

It should not be used outside of applications. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. This product has been designed for automotive applications only, and no provision has been made for aerospace application requirements.

1.3. Information of the supplier of the safety data sheet Contact

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

1.4. Emergency phone number

Emergency phone number Mineral Oil Customer Service: 0850 339 1919 (office hours)
National emergency phone Emergency Health Services: 112 National Poison Information Center (UZEM): 114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification TC 28848

Physical damages Not classified as harmful
Health hazards Skin Sensitive. 1- H317
Environmental damages Not classified as harmful

2.2. Label elements

Hazard sign



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Warning word	Attention
Hazard Statements	H317 May cause an allergic skin reaction.
Precautionary statements	P401 Store in accordance with international regulations. Avoid breathing P261 vapor / spray. P272 Do not take contaminated clothing out of the workplace. P280 Wear protective gloves / protective clothing / eye protection / face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P321 Special attention required (see medical advice on label). P333 + P313 If skin irritation or itching occurs: Get medical attention / attention. P362 + P364 Take off contaminated clothing and wash before reuse. P501 Dispose of contents / container in accordance with national regulations.
Additional label information	Contains EUH208. May cause an allergic reaction. C14-16-18
Contents	Alkyl Phenol

2.3. Other damages

This product is not classified as PBT or vPvB according to current EU criteria.

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	
Distillates (petroleum), hydrogen treated heavy paraffinic	5-10%	
CAS number: -	EC number: 265-157-1	
Classification	Asp. Full. 1- H304	
C14-16-18 Alkyl Phenol	1-5%	
CAS number: -	EC number: 931-468-2	
Classification	Skin Sensitive. 1B- H317 BHOT Review. Mrz. 2- H373	

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bis (nonylphenyl) amine 1-5% CAS number: - EC number: 253-249-4
Classification Aquatic Chronic 4- H413
Zinc bis [O- (6-methylheptyl)] bis [O- (sec-butyl)] bis (dithiophosphate) <1% CAS number: - EC number: 298-577-9
Classification Skin Irrit. 2- H315 Eye Dam. 1- H318 Aquatic Chronic 2- H411
Paraffin oils <1% CAS number: - Mineral oil in this material can be identified by one or more of the following CAS Numbers: 64742-54-7, 64742-65-0, 64742-55-8 and 64742-56-9.
Classification Asp. Full. 1- H304
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 of the hazard statements is given in Section 16.

Reviews on the composition All percentages are expressed on a weight / weight basis.

Content notes See Section 8 for occupational exposure limits.

SECTION 4: First aid measures

4.1. Description of first aid measures General

information Treat symptomatically.

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Breathing	Bring the exposed person to fresh air and keep them warm and at rest in a position where they can breathe comfortably. Move affected person to fresh air immediately. Remove affected person from source of contamination. Keep the airways clear. Never give anything by mouth to an unconscious person. If symptoms are severe or persistent, seek medical attention. Consult a doctor for specific advice.
Swallowing	INGESTION: Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. Place the unconscious person on their side in the first aid position and allow breathing to take place. Loosen tight parts of clothing such as a collar, tie or belt. If symptoms are severe or persistent, seek medical attention.
Skin contact	Clean the remaining parts of the skin. Rinse contaminated clothing and skin immediately with plenty of water before taking off your clothing. Wash skin thoroughly with soap and water. After contact with hot product, immediately dip or rinse the affected area with copious amounts of cold water to remove heat and wrap with a clean cotton cloth or gauze. If irritation persists after washing, seek medical attention. Its effects may be delayed. Show this Safety Data Sheet to healthcare professionals. If discomfort continues, seek medical attention.
Eye contact	IN EYE CONTACT: Remove contact lens, if present and easy to do. Rinse constantly. Continue flushing for at least 15 minutes and seek medical attention. Do not rub your eyes. Consult a doctor for specific advice. Show this Safety Data Sheet to healthcare professionals.
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	There are no specific symptoms known.
Breathing	There are no specific symptoms known.
Swallowing	There are no specific symptoms known.
Skin contact	Skin Sensitive. = Skin sensitization May cause skin sensitization and allergic reactions in sensitive individuals.
Eye contact	There are no specific symptoms known.

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

given to the doctor	There are no specific symptoms known. Contains alkyl phenol. May cause an allergic reaction.
Special treatments	Treat symptomatically.

SECTION 5: Firefighting measures

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

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Special damages	Not known.
Harmful combustion products	Carbon dioxide (CO ₂). Carbon monoxide (CO). A complex mixture of airborne solids, liquids and gases can be released. Unidentified organic or inorganic compounds.

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. To fire Use water to cool exposed containers and disperse vapors.
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For firefighters special protective equipment Positive pressure self-contained breathing apparatus and suitable protective clothing get dressed. Use air-supplied respirator, gloves and protective goggles.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear appropriate protective equipment such as gloves, protective goggles / face shield, respirator, boots, clothing or apron. No action should be taken without proper training or any personal hazard. Make sure procedures and emergency training are in place for on-site cleaning and disposal. Do not touch or walk on spilled material. Avoid inhalation of dust and contact with skin and eyes.

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 Wear protective clothing as shown in section 8 of this safety data sheet. 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. If a heated substance is spilled,

6.2. Environmental measures

Environmental measures Contain spillage with sand, earth or other suitable non-flammable material. If environmental pollution occurs (sewage, water supplies, soil or air) notify the relevant authorities.

6.3. Methods and materials for containment and cleaning

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Spill removal methods For small spills: Stop leak if not at risk. Leak sources

take away. Absorb with inert dry material and place in a suitable waste disposal container. Dispose through a licensed waste disposal contractor. Large spills: Stop leak if not at risk. Remove sources of leak from area. Approach with the wind behind you. Prevent from entering drains, water sources, basements or confined areas. Wash the spillage in a waste water treatment plant or proceed as follows. Collect spills with non-flammable, absorbent material and store in packaging according to legal regulations. Dispose of via a licensed waste disposer. Contaminated absorbent material may present hazard similar to spilled product.

6.4. Reference to other sections

Reference to other sections

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

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Take precautions against static electricity discharges. Wear protective clothing as shown in Section 8 of this Safety Data Sheet.

Advice on general occupational hygiene

Good personal hygiene procedures should be followed. Avoid breathing the vapor / mist of the product. Do not eat, drink or smoke anything while using this product. Wash hands after use and before eating, smoking and going to the bathroom.

7.2. Conditions for safe storage, including any incompatibilities

Storage measures

Store in a confined area surrounded by a bund to prevent leakage into drains and / or water sources. Keep away from incompatible materials (see Chapter 10). In case of spillage, barge in front of storage facilities to prevent soil and water pollution. Keep only in original container. Protect from freezing and direct sunlight.

Storage class

Chemical storage.

7.3. Specific end use (s)

Specific end use (s)

The identified uses for this product are detailed in Section 1.2. 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.

Content notes

No other information is available.

Biological limit values

No other information is available.

DNEL

No other information is available.

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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 / m³ Workers - Inhalation;
Long term local effects: 5.4 (8h) mg / m³ Consumer - Inhalation; Long term local effects: 1,2 (24h) mg / m³ 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.

bis (nonylphenyl) amine

DNEL Staff - Dermal; Long term systemic effects: 0.62 mg / kg Workers - Inhalation;
Long term systemic effects: 4.37 mg / m³ Consumer - Dermal; Long term systemic effects: 0.31 mg / kg Consumer - Inhalation; Long term systemic effects: 1.09 mg / m³ Consumer - Oral; Long term systemic effects: 0.31 mg / kg

PNEC fresh water; 0.1 mg / l
sea water; 0.01 mg / l
Intermittent release; 1 mg / l
STP (Waste water treatment plant); 1 mg / l
Precipitate (Fresh water); 132000 mg / kg
Precipitate (Sea water); 13200 mg / kg Soil; 263000 mg / kg

8.2. Exposure controls Protective

equipment



Proper engineering controls

Since the product contains components with exposure limits; If dust, smoke, gas, vapor or fog is generated during use, the process area, local exhaust ventilation or other technical controls must be applied to keep worker exposure below legal or recommended limits.

Personal protection

The recommendations given below are based on current main chemical component information. Wear goggles

Eye / Face protection

against chemical splashes. Use a face shield. Use protective gloves. Frequent change of gloves is recommended.

Hand protection

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Other skin and body protection Health measures	Avoid contact with skin. Wear apron or protective clothing in case of contact.
Respiratory system preservation	Good personal hygiene procedures should be followed. Wash contaminated skin thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash units and emergency shower facilities should be available when working with this product. Warn the cleaning personnel about the dangerous properties of the product.
Thermal damages	In places where the concentration in the air cannot be controlled sufficiently to protect workers' health, use respiratory protective devices selected according to the conditions of the relevant location and in accordance with local legislation. Contact respiratory protective equipment suppliers. Use suitable compressed respirators in places where the use of air filter respirators is not suitable (for example, in confined spaces with high concentrations in the air and risk of oxygen deficiency). Where air filter respirators are suitable, select an appropriate mask-filter combination. All respiratory protection equipment and use must comply with local regulations.
Environmental exposure controls	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. Residues and empty containers should be treated as hazardous waste in accordance with local and national provisions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties Appearance

	Liquid.
Color	Brownish.
Smell	Characteristic.
Odor threshold	There is no specific test data available.
pH	Scientifically unjustified.
Melting point / freezing point - 48 ° C	
Initial boiling point and boiling range	There is no specific test data available.
Flash point	> 220 ° C Cleveland open cup. There is no
Evaporation rate	specific test data available. There is no specific
Evaporation factor	test data available. There is no specific test
Flammability (solid, gas)	data available. There is no specific test data
Upper / Lower flammability or explosive limits	available.
Other flammability	There is no specific test data available. There is
Vapor pressure	no specific test data available.

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Vapor density	There is no specific test data available. There is
Relative density	no specific test data available. ~ 0.844 g / ml
Volumetric density	
Resolution (s)	It is insoluble in water.
Partition coefficient	There is no specific test data available. There is
Self ignition temperature	no specific test data available.
Decomposition temperature	There is no specific test data available. There is
Viscosity	no specific test data available. There is no
Explosive properties	specific test data available. There is no suitable
Explosive under the influence of flame	information.
Oxidizing properties	Not known.
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 With strong acids or with chlorate, nitrate, peroxide, etc. May react with strong oxidizing chemicals such as.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

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Conditions to avoid Keep away from heat, sparks and open flames.

10.5. Incompatible materials Materials to avoid Strong oxidizing agents. Strong acids. Inorganic halides.

10.6. Hazardous decomposition products

Hazardous decomposition products In complete combustion, dangerous gases including smoke, carbon dioxide and carbon monoxide are produced. 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 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. May cause an

Notes (dermal LD₅₀) allergic reaction.

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

Serious eye damage / irritation available data, the classification criteria are not met.

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

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Summary	Skin Sensitive. = Skin sensitization May cause skin sensitization and allergic reactions in sensitive individuals.
Skin sensitization	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. 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.
<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. Based on
Reproductive system toxicity fertility	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	Based on available data, the classification criteria are not met.
Target organs	There are no known specific target organs.
<u>Aspiration hazard</u>	
Summary	Based on available data, the classification criteria are not met. Based on
Aspiration hazard	available data, the classification criteria are not met.
Toxicokinetics	Based on available data, the classification criteria are not met. No other
General information	information is available.

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Breathing	No other information is available.
Swallowing	No other information is available.
Contact with skin	May cause skin sensitization and allergic reactions in sensitive individuals. Based on available
Eye contact	data, the classification criteria are not met.
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

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.

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Serious eye damage / irritation	Based on 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. 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.
<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.

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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.
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.
	<u>Distillates (petroleum), hydrogen treated heavy paraffinic</u>
<u>Carcinogenicity</u>	
Carcinogenicity	This product contains mineral oils that are severely refined and not considered carcinogenic. All oils in this product have been shown to contain less than 3% extractables by the IP 346 test.
<u>Aspiration hazard</u>	
Aspiration hazard	The material may cause aspiration in the lungs during the swallowing or vomiting process. (Supplier information)
	<u>bis (nonylphenyl) amine</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 > 2000 mg / kg, Dermal, Rat
<u>Skin corrosion / irritation</u>	
Skin corrosion / irritation	It is not irritating.

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Serious eye damage / irritation

Serious eye damage / irritation It is not irritating.

Respiratory sensitization

Respiratory tract sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Zinc bis [O- (6-methylheptyl)] bis [O- (sec-butyl)] bis (dithiophosphate)

Acute toxicity - oral

Notes (oral LD₅₀) LD₅₀ 2600 mg / kg, Oral, Rat, Male

Acute toxicity - dermal

Notes (dermal LD₅₀) LD₅₀> 3160 mg / kg, Dermal, Rabbit

Acute toxicity - inhalation

Remarks (inhalation LC₅₀) LC50> 2 mg / l, 1 week, Vapor Rat, Male

Skin corrosion / irritation

Skin corrosion / irritation It irritates the skin.

Serious eye damage / irritation

Serious eye damage / irritation Causes serious eye damage.

Respiratory sensitization

Respiratory tract sensitization Not sensitizing.

Skin sensitization

Skin sensitization Not sensitizing.

Germ cell mutagenicity

Genotoxicity - in vitro Negative.

Genotoxicity - in vivo Negative.

Reproductive system toxicity

Summary NOAEL 160 mg / kg., Rat

Paraffin oils

Acute toxicity - oral

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

Acute toxicity - dermal

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

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

Reproductive toxicity

Reproductive system toxicity 6-13 days of gestation to pregnant mice up to 800 mg / kg / day after days
developmental No teratogenic effect was observed when di-tert-butyl-p-cresol was fed.

SECTION 12: Ecological information 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 Based on available data, the classification criteria are not met.

Acute aquatic toxicity

Summary No other information is available.

Acute toxicity - fish No other information is available.

Acute toxicity - aquatic invertebrates No other information is available.

Acute toxicity - aquatic plants No other information is available.

Acute toxicity microorganisms No other information is available.

Acute toxicity - terrestrial organisms No other information is available.

Chronic aquatic toxicity

Summary No other information is available.

Chronic toxicity- in fish early life stage No other information is available.

Short term toxicity - embryo and early larval stages No other information is available.

Chronic toxicity- aquatic invertebrates No other information is available.

Toxicity to soil No other information is available.

Toxicity to terrestrial plants Ecological No other information is available.

information on ingredients

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Toxicity	Based on available data, the classification criteria are not met.
Acute aquatic toxicity	
Summary	Based on available data, the classification criteria are not met.
Acute toxicity - fish	LL 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.
Chronic aquatic toxicity	
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), hydrogen treated heavy paraffinic

Acute aquatic toxicity	
Acute toxicity - aquatic invertebrates	EC ₅₀ , 2 days:> 10000 mg / l, Water flea EC ₅₀ , 21 days:> 10 mg / l, Water flea NOEC, 21 days: 10 mg / l, Damp

bis (nonylphenyl) amine

Acute aquatic toxicity	
Acute toxicity - fish	LC ₅₀ , 96 hours:> 100 mg / l, Danio rerio (Zebrafish) EC ₅₀ , 48 hours:> 100 mg / l, Water flea
Acute toxicity - aquatic invertebrates	

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Acute toxicity - aquatic plants EC₅₀, 72 hours:> 100 mg / l, Desmodosmus subspicatus

Zinc bis [O- (6-methylheptyl)] bis [O- (sec-butyl)] bis (dithiophosphate)

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 4.5 mg / l, Oncorhynchus mykiss (Rainbow trout) EL50, 48 hours: 5.4

Acute toxicity - aquatic invertebrates mg / l, Water flea

Acute toxicity - aquatic plants EbC50, 96h: 2.1 mg / l, Selenastrum capricornutum

Paraffin oils

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 100 mg / l, Kocabaş carp

Acute toxicity - aquatic invertebrates EC₅₀, 2 days:> 10000 mg / l, Water flea EC₅₀, 21 days:> 10 mg / l, Water flea NOEC, 21 days:> 10 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days:> 100 mg / l, Green algae

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

Acute aquatic toxicity

L (E) C₅₀ 0.1 <L (E) C50 ≤ 1 1

M factor (acute)

Acute toxicity - aquatic invertebrates EC₅₀, 2 days: 0.48 mg / l, Water flea

Chronic aquatic toxicity

M factor (chronic) one

12.2. Persistence and degradability

Persistence and degradability No other information is available.

Phototransformation No other information is available.

Stability (hydrolysis) No other information is available.

Biodegradation No other information is available.

Biological oxygen demand No other information is available.

Chemical oxygen demand No other information is available.

Ecological information on ingredients

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

Distillates (petroleum), hydrogen treated heavy paraffinic

Biodegradation Oxygen discharge - 31%: 28 days, OECD TG 301 F

bis (nonylphenyl) amine

Biodegradation - 1%: 28 days

Zinc bis [O- (6-methylheptyl)] bis [O- (sec-butyl)] bis (dithiophosphate)

Biodegradation - 1,5%: 28 days

Paraffin oils

Biodegradation Carbon dioxide formation - 31%: 28 days, OECD TG 301B

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

Biodegradation Dissolved organic carbon (DOC) - 30%: 14 days, OECD TG 302 C Oxygen discharge - 4.5%: 28 days, OECD TG 301 C

12.3. Bioaccumulative potential

Bioaccumulative potential No other information is available.

Partition coefficient There is no specific test data available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Bioaccumulative potential Insufficient data.

Partition coefficient Insufficient data.

bis (nonylphenyl) amine

Bioaccumulative potential log Pow:> 7.6,

Zinc bis [O- (6-methylheptyl)] bis [O- (sec-butyl)] bis (dithiophosphate)

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Bioaccumulative potential log Pow: 0.9, at 23C

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

Partition coefficient log Kow: 5.03

12.4. Mobility in soil

Mobility No other information is available.

Adsorption / desorption No other information is available.
coefficient

Henry's law constant No other information is available.

Surface tension No other information is available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Mobility No data available.

Adsorption / desorption Insufficient data.
coefficient

Henry's law constant Insufficient data.

Surface tension Insufficient data.

12.5. Results of PBT and vPvB assessment

PBT and vPvB No data available.
results of the assessment

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

PBT and vPvB It is not relevant.
of evaluation
results

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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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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 Collect waste and place it in suitable waste disposal containers and seal tightly. Dispose of waste in a licensed waste disposal facility in accordance with the requirements of the local Waste Disposal Authorities.

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

SECTION 14: Transport information

General Not edited.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

Not edited.

14.4. Packing group

Not applicable.

14.5. Environmental damages

Environmentally harmful / marine pollutant

Not applicable.

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 It is not relevant.

pouring by code

transportation

SECTION 15: Regulatory information

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

National regulations Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated December 11, 2013, No.

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

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EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010. EU Dangerous Preparations Directive 1999/45 / EC. EU Dangerous Substances Directive 67/548 / EEC. Source: European Chemicals Agency, http://echa.europa.eu/
Guide	Safety Data Sheet for substances and preparations. The ingredients
Health and environmental lists	with a risk of harm are listed.

SECTION 16: Other information

In the safety data sheet used abbreviations and acronyms	TC: Republic of Turkey TWA: Workplace exposure limits. UZEM: National Poison Information Center ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. DNEL: Derived no-effect level. LC50: The concentration of the substance causing 50% (half) death in the test animal group. PBT: Persistent, Bioaccumulative and Toxic substance. REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of Chemicals. vPvB: Very Persistent, Very Bioaccumulative. MARPOL 73/78: International Convention for the Prevention of Pollution from Ships of 1973, as amended by the 1978 Protocol. BCF: Bioconcentration Factor. BOD: Biochemical Oxygen Demand. EC ₅₀ : Effective Concentration of the substance causing 50% maximum response. NOEC: No-Effect Concentration. DMEL: Derived Minimal Effect Level. PNEC: Predicted No Observed Effect Concentration. NOAEL: No Side Effects Level.
Abbreviations and acronyms	Asp. Full. = Aspiration harm BHOT Again. Mrz. = Specific Target Organ Toxicity - Repeated exposure Skin Sens. = Skin sensitization Skin Irrit. = Skin irritation Eye Dam. = Eye damage Kans. = Carcinogenicity Aquatic Acute = Harmful to the aquatic environment (acute) Aquatic Chronic = Harmful to the aquatic environment (chronic)

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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. Uses and Restrictions: This product should not be used outside of the applications recommended in Section 1 without the prior recommendation of the supplier. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only.
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	Not classified as physically hazardous: Supplier information, Calculation method. Skin Sensitive.
According to the regulation numbered classification conditions	1- H317: Supplier information, Calculation method. Not classified as environmentally hazardous .: Supplier information, Calculation method.
Education advice	Untrained personnel should not be used.
Revision comments	This is the first arrangement.
Organized by	Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date: 03.11.2018-03.11.2021)
How many regulations	0
Preparation date	14.04.2020
SDS No	20710
All of the hazard statements	H304 Fatal if swallowed and enters respiratory tract. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. 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. H413 May cause long lasting harmful effects to aquatic environment. H373 May cause damage to organs through prolonged or repeated exposure if swallowed or inhaled.

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.