



**Part I**  
**SAFETY DATA SHEET**  
**MAXIMA 10W-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 10W-30  
Item number 11184

**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 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 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 Eye Irrit. 2- H319 Skin Sensitive. 1- H317 Aquatic  
Environmental damages Chronic 3- H412

**2.2. Label elements**

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**Hazard sign**



**Warning word**

Attention

**Hazard Statements**

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

Avoid breathing P261 vapor / spray.  
P264 Wash contaminated skin thoroughly after handling. P272 Do not take contaminated clothing out of the workplace. P273 Avoid release to the environment.  
P280 Wear protective gloves / protective clothing / eye protection / face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. 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. P321 Special attention required (see medical advice on label).  
P333 + P313 If skin irritation or itching occurs: Get medical attention / attention. P337 + P313 If eye irritation persists: Get medical advice / attention.  
P362 + P364 Take off contaminated clothing and wash before reuse. P501 Dispose of contents / container in accordance with national regulations.

**Contents**

Calcium long chain alkaryl sulphonate

**2.3. Other damages**

No other information is available.

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

**3.2. Mixtures**

<b>Distillates (petroleum), hydrogen treated heavy paraffinic</b>	<b>40-60%</b>	
CAS number: 64742-54-7	EC number: 265-157-1	REACH registration number: 012119484627-25-0033
<b>Classification</b>	Not classified as harmful	
<b>Distillates (petroleum), hydrogen treated heavy paraffinic base oil</b>	<b>25-40%</b>	
CAS number: 64742-54-7	EC number: 265-157-1	REACH registration number: 012119484627-25-0065
<b>Classification</b>	Asp. Full. 1- H304	

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<b>Highly refined mineral oil (C15-C50)</b>	<b>1-5%</b>
CAS number: -	
<b>Classification</b> Not classified as harmful	
<b>Mineral Oil</b>	<b>1-5%</b>
CAS number: 64742-55-8	
<b>Classification</b> Not classified as harmful	
<b>polyolefin polyamine succinimide, polyol</b>	<b>1-5%</b>
CAS number: -	
<b>Classification</b> Aquatic Chronic 4- H413	
<b>Alkyl phenate sulfide branched calcium chain</b>	<b>1-5%</b>
CAS number: -	
<b>Classification</b> Aquatic Chronic 4- H413	
<b>Zinc alkyl dithiophosphate</b>	<b>1-5%</b>
CAS number: 68649-42-3	
M factor (acute) = 1	
<b>Classification</b> Eye Dam. 1- H318 Aquatic Acute 1- H400 Aquatic Chronic 2- H411	
<b>Calcium long chain alkaryl sulphonate</b>	<b>1-5%</b>
CAS number: 722503-68-6	
<b>Classification</b> Skin Sensitive. 1- H317 Aquatic Chronic 4- H413	

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<b>Alkaryl amine</b>	<b>1-5%</b>
CAS number: -	

<b>Classification</b>
Aquatic Chronic 4- H413

<b>Calcium long chain alkaryl sulphonate</b>	<b>&lt;1%</b>
CAS number: -	

<b>Classification</b>
Aquatic Chronic 4- H413

<b>Branched alkyl phenol and branched Calcium alkyl phenol</b>	<b>&lt;1%</b>
CAS number: -	
M factor (acute) = 1	M factor (chronic) = 1

<b>Classification</b>
Skin Irrit. 2- H315 Eye
Irrit. 2- H319
Repr. Fog. Full. 1B- H360 Aquatic
Acute 1- H400
Aquatic Chronic 1- H410

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**

<b>information</b>	If discomfort continues, seek medical attention.
<b>Breathing</b>	Move affected person to fresh air immediately. Rinse nose and mouth with water. If discomfort continues, seek medical attention.
<b>Swallowing</b>	Never give anything by mouth to an unconscious person. Do not try to induce vomiting. Rinse mouth thoroughly with water. If discomfort continues, seek medical attention.
<b>Skin contact</b>	Remove affected person from source of contamination. Take off contaminated clothing. Wash skin thoroughly with soap and water. If discomfort continues, seek medical attention.
<b>Eye contact</b>	Remove contact lenses if present and open eyelids wide open. Continue washing for at least 15 minutes. Continue washing for at least 15 minutes. If discomfort continues, seek medical attention.

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**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** Treat symptomatically.

**Breathing** There are no specific symptoms known.

**Swallowing** There are no specific symptoms known.

**Skin contact** May cause sensitization or allergic reactions in sensitive individuals.

**Eye contact** May cause 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**

**5.1. Fire extinguishers**

**Suitable extinguishing agents** Extinguish the fire with the following materials: Foam, carbon dioxide or dry powder. Do not use water

**Unsuitable extinguisher substances** jet to extinguish the fire, in case the fire spreads.

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

**Special damages** When this substance burns, a complex mixture of airborne solids, liquids and gases can be released.

**Harmful combustion products** Oxides of the following substances may be formed as a result of burning: Boron, Phosphorus, Calcium, Zinc, Nitrogen. Sulfur oxides. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

**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.

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**For emergency responders**

Wear protective clothing as shown in section 8 of this safety data sheet. 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.

**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. Avoid spillage or runoff entering drains, sewers or watercourses.

**6.4. Reference to other sections**

Reference to other sections                      For personal protection see section 8. For waste disposal, see Section 13. See Section 1 for emergency contact information. 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. Do not empty into drains.

On general occupational hygiene  
advice    There are no specific hygiene procedures recommended, but with chemical products  
When working, personal hygiene practices should be followed.

**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. Store in a confined area surrounded by a bund to prevent leakage into drains and / or water sources. Take precautions against static electricity discharges.

**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.

**Directions for use**                                  It should be used as specified in the product data sheet. Good ventilation should be provided in the working environment and inhalation of the vapor generated during use should be avoided. Contact with the skin should be avoided and hygienic rules should be applied.  
Contact with eyes should be avoided. Glasses or face masks should be used to prevent eye contact.  
Use disposable clothing. Dispose of contaminated clothing without packaging. It should not be flushed with the mouth.

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**SECTION 8: Exposure Controls / personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**Distillates (petroleum), hydrogen treated heavy paraffinic**

Oil mist: TWA: 5 mg / m<sup>3</sup> (ACGIH). In no case should this limit be exceeded or, if more restrictive, the local limit used.

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

There is no suitable information.

**Highly refined mineral oil (C15-C50)**

Base Oil; TWA: 5 mg / m<sup>3</sup>, ACGIH (United States) Base oil:

ACGIH, STEL: 10 mg / m<sup>3</sup>

**Mineral Oil**

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

<b>Content notes</b>	No other information is available.
<b>Biological limit values</b>	No other information is available.
<b>DNEL</b>	No other information is available.
<b>DMEL</b>	No other information is available.
<b>PNEC</b>	No other information is available.

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

<b>Content notes</b>	There is no suitable information.
<b>Biological limit values</b>	There is no suitable information.
<b>DNEL</b>	Staff - Breathing; Long term systemic effects: 2.7 (8h) mg / m <sup>3</sup> Workers - Inhalation; Long term local effects: 5.4 (8h) mg / m <sup>3</sup> Consumer - Inhalation; Long term local effects: 1,2 (24h) mg / m <sup>3</sup> Consumer - Oral; Long term systemic effects: 0.74 (24h) mg / kg / day Workers - Dermal; Long term systemic effects: 1.0 (8h) mg / kg
<b>DMEL</b>	There is no suitable information.
<b>PNEC</b>	There is no suitable information.

**8.2. Exposure controls Protective**

**equipment**



**Proper engineering controls** Provide adequate ventilation. Avoid breathing vapors. For product and ingredients  
Observe the occupational exposure limit.

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<b>Personal protection</b>	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.
<b>Eye / Face protection</b>	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.
<b>Hand protection</b>	If the risk assessment indicates that skin contact is possible, chemical resistant waterproof gloves complying with an approved standard should be used. Wear protective gloves made of: Nitrile rubber. Polyvinyl chloride (PVC).
<b>Other skin and body protection Health measures</b>	Wear appropriate clothing to prevent any skin contact.  Do not smoke in the work area. Wash hands at the end of each work shift and before eating, smoking or using the toilet. Wash immediately if skin becomes contaminated. Take off contaminated clothing immediately. Use a suitable skin cream to prevent the skin from drying out.
<b>Respiratory system preservation</b>	There are no special storage measures recommended. Respiratory protection may be required if excessive air contamination occurs.
<b>Thermal damages</b>	If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be used.
<b>Environmental exposure controls</b>	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.
<b>Color</b>	Brown.
<b>Smell</b>	Characteristic.
<b>Odor threshold</b>	There is no suitable information.
<b>pH</b>	Scientifically unjustified.
<b>Melting point / freezing point</b>	There is no suitable information.
<b>Initial boiling point and boiling range</b>	There is no suitable information.
<b>Flash point</b>	~ 224 ° C OC (Open cup). There is no
<b>Evaporation rate</b>	suitable information.
<b>Evaporation factor</b>	There is no suitable information.
<b>Flammability (solid, gas)</b>	There is no suitable information.
<b>Upper / Lower flammability or explosive limits</b>	There is no suitable information.
<b>Other flammability</b>	There is no suitable information.



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<b>Vapor pressure</b>	There is no suitable information.
<b>Vapor density</b>	There is no suitable information.
<b>Relative density</b>	There is no specific test data available. ~ 0.87
<b>Volumetric density</b>	@ 15C g / ml
<b>Resolution (s)</b>	It is insoluble in water.
<b>Partition coefficient</b>	There is no suitable information.
<b>Self ignition temperature</b>	There is no suitable information.
<b>Decomposition temperature</b>	There is no suitable information.
<b>Viscosity</b>	typ. 10.0 cSt @ 100 ° C No
<b>Explosive properties</b>	data available.
<b>Explosive under the influence of flame</b>	It is not considered explosive.
<b>Oxidizing properties</b>	Not known.
<b>Descriptions</b>	The information given can be applied to the product as presented.

**9.2. Other informations**

<b>Other informations</b>	Required information is not available.
<b>Refractive index</b>	There is no suitable information.
<b>Particle size</b>	There is no suitable information.
<b>Molecular weight</b>	There is no suitable information.
<b>Volatility</b>	There is no suitable information.
<b>Saturation concentration</b>	There is no suitable information.
<b>Critical temperature</b>	There is no suitable information.
<b>Volatile organic compound</b>	There is no suitable information.

**SECTION 10: Stability and reactivity**

**10.1. Reaction**

<b>Reaction</b>	There are no known reactive hazards associated with this product.
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**10.2. Chemical stability**

<b>Stability</b>	Stable at normal ambient temperatures.
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**10.3. Possibility of hazardous reactions**

<b>Possibility of hazardous reactions</b>	Hazardous reactions will not occur under normal conditions of storage and use.
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**10.4. Conditions to avoid**

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

**10.5. Incompatible materials Materials to avoid** Strong acids. Chlorates. Nitrates. Peroxides. Strong oxidizing agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Alkyl mercaptans. Hydrogen sulfide (H<sub>2</sub>S). When heated to its decomposition temperature, CO<sub>x</sub> can release smoke and irritating vapors. Smoke, carbon monoxide, carbon dioxide, irritating vapors and other incomplete combustion products may be released as a result of thermal decomposition or combustion.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects Toxic**

**effects** There is no suitable information.

**Other health effects** There is no suitable information.

**Acute toxicity - oral Summary**

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

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

**Skin corrosion / irritation**

**Summary** In case of prolonged and / or frequent contact with the skin, there may be signs of irritation. Based on available

**Skin corrosion / irritation** data, the classification criteria are not met.

**Animal data**

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

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

**pH** the classification criteria are not met.

**Serious eye damage / irritation**

**Summary** In case of contact with eyes, it may cause irritation. Causes

**Serious eye damage / irritation** eye irritation.

**Respiratory sensitization**

**Summary** No data available.

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<b>Respiratory tract sensitization</b>	Based on available data, the classification criteria are not met.
<b>Skin sensitization</b>	
Summary	Skin Sensitive. = Skin sensitization
<b>Skin sensitization</b>	May cause sensitization or allergic reactions in sensitive individuals.
<b>Germ cell mutagenicity</b>	
Summary	No data available.
<b>Genotoxicity - in vitro</b>	Based on available data, the classification criteria are not met. Based on
<b>Genotoxicity - in vivo</b>	available data, the classification criteria are not met.
<b>Carcinogenicity</b>	
Summary	The base oils in the product contain less than 3% DMSO according to IP 346. Based on available data, the
Carcinogenicity	classification criteria are not met.
<b>Target for carcinogenicity organs</b>	There are no known specific target organs.
<b>IARC carcinogenicity</b>	Not known.
<b>NTP carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	
Summary	There is no test data showing that this product is toxic to the reproductive system.
<b>Reproductive system toxicity fertility</b>	Based on available data, the classification criteria are not met.
<b>Reproductive system toxicity developmental</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure Summary</b>	
	Based on available data, the classification criteria are not met.
<b>BHOT- single exposure</b>	Based on available data, the classification criteria are not met.
<b>Target organs</b>	There are no known specific target organs.
<b>Specific target organ toxicity - repeated exposure Summary</b>	
	Based on available data, the classification criteria are not met.
<b>BHOT- repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Target organs</b>	There are no known specific target organs.
<b>Aspiration hazard</b>	
Summary	No data available.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.

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<b>Toxicokinetics</b>	Based on available data, the classification criteria are not met. Based on
<b>General information</b>	available data, the classification criteria are not met.
<b>Breathing</b>	Gas or vapor in high concentrations may irritate the respiratory system. The following symptoms may occur after overexposure: Cough.
<b>Swallowing</b>	May cause discomfort if swallowed. The liquid can
<b>Contact with skin</b>	irritate the skin.
<b>Eye contact</b>	If vapor or spray gets into the eyes, it may cause irritation and burning to the eyes.
<b>Acute and chronic health hazards</b>	No other information is available.
<b>Contact ways</b>	No other information is available.
<b>Target organs</b>	There are no known specific target organs.
<b>Medical symptoms</b>	No other information is available.
<b>Medical opinions</b>	No other information is available.

**Toxicological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic**

**Acute toxicity - oral**

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

**Acute toxicity - dermal**

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

**Carcinogenicity**

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

**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.

**Acute toxicity - oral Summary**

Based on available data, the classification criteria are not met. LD<sub>50</sub>> 5000

**Notes (oral LD<sub>50</sub>)** (OECD 401) / API 1982a mg / kg, Oral, Rat

**Acute toxicity - dermal Summary**

Based on available data, the classification criteria are not met. LD<sub>50</sub>> 5000

**Notes (dermal LD<sub>50</sub>)** (OECD 402) / API 1982a mg / kg, Dermal, Rabbit

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**Acute toxicity - inhalation**

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

**Notes (inhalation LC<sub>50</sub>)** LC50, 4h 5.53 (OECD 403) / Exxon Biomedical Sciences, Inc. (1988a) mg / l, Inhalation, Rat

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

**Excessive 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.

**Respiratory tract sensitization** Based on 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.

**IARC carcinogenicity** Not listed.

**NTP carcinogenicity** Not listed.

**Reproductive toxicity**

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<b>Summary</b>	Based on available data, the classification criteria are not met.
<b>Reproductive system toxicity fertility</b>	Based on available data, the classification criteria are not met.
<b>Reproductive system toxicity developmental</b>	Based on available data, the classification criteria are not met.
<b><u>Specific target organ toxicity - single exposure Summary</u></b>	
	Based on available data, the classification criteria are not met.
<b>BHOT- single exposure</b>	Based on available data, the classification criteria are not met.
<b>Target organs</b>	There are no known specific target organs.
<b><u>Specific target organ toxicity - repeated exposure Summary</u></b>	
	Based on available data, the classification criteria are not met.
<b>BHOT- repeated exposure stay</b>	Based on available data, the classification criteria are not met.
<b>Target organs</b>	There are no known specific target organs.
<b><u>Aspiration hazard</u></b>	
<b>Summary</b>	In case of inhalation, slight irritation of the respiratory tract may occur. Fatal if it enters
<b>Aspiration hazard</b>	the respiratory tract and is swallowed.
<b>Toxicokinetics</b>	Required information is not available.
<b>General information</b>	Required information is not available.
<b>Breathing</b>	Required information is not available.
<b>Swallowing</b>	Required information is not available.
<b>Contact with skin</b>	Required information is not available.
<b>Eye contact</b>	Required information is not available.
<b>Acute and chronic health hazards</b>	Required information is not available.
<b>Contact ways</b>	Required information is not available.
<b>Target organs</b>	There are no known specific target organs. Required
<b>Medical symptoms</b>	information is not available.
<b>Medical opinions</b>	Required information is not available.

**Mineral Oil**

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**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)

**Interchangeable neutral oils**

**Acute toxicity - oral**

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

**Acute toxicity - dermal**

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

**SECTION 12: Ecological information**

**Ecotoxicity** Long-lasting, harmful effect in the aquatic environment.

**Ecological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic**

**Ecotoxicity** May cause harm to aquatic organisms. Spillages create a film layer on the water surface and prevent oxygen transfer.

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

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

**12.1. Toxicity**

**Toxicity** May cause long lasting and harmful effects in aquatic environment.

**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.

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**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

**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

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

Acute aquatic toxicity

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

**Acute toxicity - fish** LL<sub>50</sub>,> 100 mg / l, Fish  
LL<sub>50</sub>, 96 (OECD 203) hours:> 100 mg / l, Pimephales promelas (Golyan Fish)

**Acute toxicity - aquatic invertebrates** LL<sub>50</sub>, 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<sub>50</sub>,> 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.



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**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.

Zinc alkyl dithiophosphate

Acute aquatic toxicity

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

**M factor (acute)**

Branched alkyl phenol and branched Calcium alkyl phenol

Acute aquatic toxicity

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

**M factor (acute)**

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

Distillates (petroleum), hydrogen treated heavy paraffinic

**Biodegradation** Not expected to be readily biodegradable.

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.

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<b>Stability (hydrolysis)</b>	Insufficient data.
<b>Biodegradation</b>	Insufficient data.
<b>Biological oxygen demand</b>	Insufficient data.
<b>Chemical oxygen demand</b>	Insufficient data.

**12.3. Bioaccumulative potential**

<b>Bioaccumulative potential</b>	No other information is available.
<b>Partition coefficient</b>	There is no suitable information.

**Ecological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic**

<b>Bioaccumulative potential</b>	Potentially bioaccumulating.
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**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

<b>Bioaccumulative potential</b>	Insufficient data.
<b>Partition coefficient</b>	Insufficient data.

**12.4. Mobility in soil**

<b>Mobility</b>	The product does not mix with water and spreads on the water surface. No
<b>Adsorption / desorption coefficient</b>	other information is available.
<b>Henry's law constant</b>	No other information is available.
<b>Surface tension</b>	No other information is available.

**Ecological information on ingredients**

**Distillates (petroleum), hydrogen treated heavy paraffinic**

<b>Mobility</b>	It is liquid in most environmental conditions. It floats on water. Groundwater may become contaminated if it spreads to the soil.
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**Distillates (petroleum), hydrogen treated heavy paraffinic base oil**

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

**12.5. Results of PBT and vPvB assessment**

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**PBT and vPvB results of the assessment** No other information is available.

**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.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods General**

**information** The packaging must be empty (no residue drips when reversed).

**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**

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**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**

<b>National regulations</b>	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.
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010.
<b>Guide</b>	Safety Data Sheet for substances and preparations. Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>

**SECTION 16: Other information**

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

EU: European Union DMSO:  
Dimethyl sulfoxide  
PPE: Personal protective equipment  
TC: Republic of Turkey  
TWA: Workplace exposure limits UZEM: National  
Poison Information Center  
DNEL: Derived no-effect level. CAS: Chemical Abstracts  
Service.  
ADR: European Agreement on the International Carriage of Dangerous Goods by Road. GHS: Global  
Harmonized System.  
IATA: International Air Transport Association.  
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.  
REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of  
Chemicals.  
PNEC: Predicted No Observed Effect Concentration. 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.

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<b>Abbreviations and acronyms</b>	Acute Tox. = Acute toxicity 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)
<b>General information</b>	Only trained personnel should use this material. 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.
<b>Main literature references and sources of information</b>	This SDS is based on the information received from our raw material suppliers.
<b>Dated December 11, 2013 and 28848</b>	Skin Sensitive. 1- H317, Eye Irrit. 2- H319, Aquatic Chronic 3- H412: Calculation method.,
<b>According to the regulation numbered classification conditions</b>	Supplier information
<b>Education advice</b>	Untrained personnel should not be used.
<b>Revision comments by</b>	Revised classification.
<b>New date of issue</b>	07.07.2020
<b>How many regulations</b>	3
<b>Preparation date</b>	13.06.2011
<b>SDS No</b>	10395
<b>All of the hazard statements</b>	H304 Fatal if swallowed and enters respiratory tract. H315 Causes skin irritation.  H317 May cause an allergic skin reaction. 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.

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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.