



## SAFETY DATA SHEET

### GRAVIS SP-X 320

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.  
Commission Regulation (EU) 2020/878 of 18 June 2020.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** GRAVIS SP-X 320  
**Product number** 20723

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

**Identified uses** Industrial oil

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

##### 1.3. Details of the supplier of the safety data sheet

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

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

##### 1.4. Emergency telephone number

**Emergency telephone** Madeni Yağ Customer Services: 0850 339 1919 (working hours)

**National emergency telephone number** Emergency Medical Services: 112

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**Classification (EC 1272/2008)**

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard statements** NC Not Classified

##### 2.3. Other hazards

Not applicable.

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

##### 3.2. Mixtures

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

**Ingredient notes** See Section 8 for occupational exposure limits.



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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Treat symptomatically.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Do not induce vomiting. Remove affected person from source of contamination. Get medical attention if any discomfort continues.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

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

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

<b>Specific hazards</b>	Avoid breathing fire gases or vapours. Ventilate closed spaces before entering them.
<b>Hazardous combustion products</b>	Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Oxides of nitrogen. Oxides of sulphur. Oxides of phosphorus. A complex mixture of airborne solids, liquids and gases can be released. Smoke and irritating vapours as products of incomplete combustion. Unidentified organic or inorganic compounds.

#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No action shall be taken without appropriate training or involving any personal risk.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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



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<b>Personal precautions</b>	Ensure procedures and training for emergency decontamination and disposal are in place. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Avoid contact with skin, eyes and clothing. Wear protective clothing as described in Section 8 of this safety data sheet. Take precautionary measures against static discharges.
<b>For non-emergency personnel</b>	Necessary precautions should be taken to ensure that non-educated personnel do not intervene.
<b>For emergency responders</b>	Wear protective clothing as shown in section 8 of this safety data sheet. Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Toxic to aquatic life with long lasting effects. Dangerous for the environment if discharged into watercourses. Avoid release to the environment. Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air). Environmental Manager must be informed of all major spillages.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	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.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin, eyes and clothing.
<b>Advice on general occupational hygiene</b>	Persons susceptible to allergic reactions should not handle this product. Do not eat, drink or smoke when using this product. Eye wash facilities and emergency shower must be available when handling this product. Good personal hygiene procedures should be implemented. Wash contaminated skin thoroughly after handling. Take off contaminated clothing and wash it before reuse. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container. Keep away from food, drink and animal feeding stuffs.
<b>Storage class</b>	Chemical storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
<b>Usage description</b>	The product must be used as specified in the data sheet.



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### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

No other information known.

<b>Ingredient comments</b>	No other information known.
<b>Biological limit values</b>	No other information known.
<b>DNEL</b>	No other information known.
<b>DMEL</b>	No other information known.
<b>PNEC</b>	No other information known.

#### lubricating oils (petroleum), C20-50, hydrotreated neutral oil based (CAS: 72623-87-1)

<b>DNEL</b>	TWA (sis): 5 mg/m <sup>3</sup> , STEL (sis): 10 mg/m <sup>3</sup> , TWAEV (sis): 5 mg/m <sup>3</sup> , STEV (sis): 10 mg/m <sup>3</sup> , TWA (solunabilir fraksiyon): 5 mg/m <sup>3</sup>
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#### 1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol (CAS: 89347-09-1)

<b>PNEC</b>	Water; 0,041 mg/l
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#### 8.2. Exposure controls

##### Protective equipment



<b>Appropriate engineering controls</b>	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
<b>Personal protection</b>	The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support. Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Koruyucu elbise ve önlüklerin düzenli bakımı yapılmalıdır.
<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
<b>Respiratory protection</b>	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
<b>Thermal hazards</b>	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.



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**Environmental exposure controls** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Inconclusive data.
<b>pH</b>	Scientifically unjustified.
<b>Melting point</b>	Inconclusive data.
<b>Initial boiling point and range</b>	Inconclusive data.
<b>Flash point</b>	~ 260°C OC (Open cup).
<b>Evaporation rate</b>	Inconclusive data.
<b>Evaporation factor</b>	Inconclusive data.
<b>Flammability (solid, gas)</b>	Inconclusive data.
<b>Upper/lower flammability or explosive limits</b>	Inconclusive data.
<b>Other flammability</b>	Inconclusive data.
<b>Vapour pressure</b>	Inconclusive data.
<b>Vapour density</b>	Inconclusive data.
<b>Relative density</b>	Inconclusive data.
<b>Bulk density</b>	~ 0.89 g/ml
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Inconclusive data.
<b>Auto-ignition temperature</b>	Inconclusive data.
<b>Decomposition Temperature</b>	Data lacking.
<b>Viscosity</b>	318 cSt @ 40°C
<b>Explosive properties</b>	Inconclusive data.
<b>Explosive under the influence of a flame</b>	No other information known.
<b>Oxidising properties</b>	No other information known.
<b>Comments</b>	No other information known.

#### Particle characteristic

#### 9.2. Other information



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<b>Other information</b>	No other information known.
<b>Refractive index</b>	No other information known.
<b>Particle size</b>	No other information known.
<b>Molecular weight</b>	No other information known.
<b>Volatility</b>	No other information known.
<b>Saturation concentration</b>	No other information known.
<b>Critical temperature</b>	No other information known.
<b>Volatile organic compound</b>	No other information known.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Keep away from heat, sparks and open flame.

#### 10.5. Incompatible materials

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

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Bozunma sıcaklığına ısıtıldığında COx duman ve tahriş edici buharlarını salabilir.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

**Toxicological 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.

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

**Acute toxicity - dermal Summary** Based on available data the classification criteria are not met.

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.



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<b>Acute toxicity - inhalation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Notes (inhalation LC<sub>50</sub>)</b>	Based on available data the classification criteria are not met.
<b>Skin corrosion/irritation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
<b>Animal data</b>	Based on available data the classification criteria are not met.
<b>Human skin model test</b>	Based on available data the classification criteria are not met.
<b>Extreme pH</b>	Based on available data the classification criteria are not met.
<b>Serious eye damage/irritation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Serious eye damage/irritation</b>	Based on available data the classification criteria are not met.
<b>Respiratory sensitisation</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Respiratory sensitisation</b>	Based on available data the classification criteria are not met.
<b>Skin sensitisation</b>	
<b>Summary</b>	Based on the available data, the product is not expected to have a skin sensitizing effect.
<b>Skin sensitisation</b>	Based on available data the classification criteria are not met.
<b>Germ cell mutagenicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<b>Genotoxicity - in vivo</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>Target organ for carcinogenicity</b>	No specific target organs known.
<b>IARC carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>NTP carcinogenicity</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>STOT - single exposure</b>	Based on available data the classification criteria are not met.



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<b>Target organs</b>	No specific target organs known.
<b>Specific target organ toxicity - repeated exposure</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data the classification criteria are not met.
<b>Target organs</b>	No specific target organs known.
<b>Aspiration hazard</b>	
<b>Summary</b>	Based on available data the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>Toxicokinetics</b>	
	No other information known.
<b>General information</b>	
	No other information known.
<b>Inhalation</b>	
	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.
<b>Ingestion</b>	
	May cause discomfort if swallowed.
<b>Skin contact</b>	
	May cause skin sensitisation or allergic reactions in sensitive individuals.
<b>Eye contact</b>	
	Vapour or spray in the eyes may cause irritation and smarting.
<b>Acute and chronic health hazards</b>	
	No other information known.
<b>Route of exposure</b>	
	No other information known.
<b>Target organs</b>	
	No other information known.
<b>Medical symptoms</b>	
	No other information known.
<b>Medical considerations</b>	
	No other information known.

### 11.2 Information on other hazards

**Information on other hazards** This product does not have endocrine disrupting properties.

### Toxicological information on ingredients.

#### 1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >10000 mg/kg, Oral, Rat NOAEL, Sub-akut 50 mg/kg, Oral, Rat

##### Acute toxicity - dermal

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

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub> >2,75 mg/l, Inhalation, Rat

##### Skin corrosion/irritation

**Skin corrosion/irritation** Moderately irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Moderately irritating.





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### Skin sensitisation

**Skin sensitisation** Not sensitising.

### Germ cell mutagenicity

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

### Reproductive toxicity

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

**Reproductive toxicity - development** Maternal toxicity: - : Negative., Oral, Rat Developmental toxicity: - : Negative., Oral, Rat

### Fuelsi diesel

### Carcinogenicity

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

## SECTION 12: Ecological information

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

### 12.1. Toxicity

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

### Acute aquatic toxicity

**Summary** No other information known.

**Acute toxicity - fish** No other information known.

**Acute toxicity - aquatic invertebrates** No other information known.

**Acute toxicity - aquatic plants** No other information known.

**Acute toxicity - microorganisms** No other information known.

**Acute toxicity - terrestrial** No other information known.

### Chronic aquatic toxicity

**Summary** No other information known.

**Chronic toxicity - fish early life stage** No other information known.

**Short term toxicity - embryo and sac fry stages** No other information known.

**Chronic toxicity - aquatic invertebrates** No other information known.

**Toxicity to soil** No other information known.

**Toxicity to terrestrial plants** No other information known.

### Ecological information on ingredients.

1,3,4-Thiadiazolidine-2,5-dithione, reaction products with hydrogen peroxide and tert-nonanethiol



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### Acute aquatic toxicity

**Acute toxicity - fish** LC<sub>50</sub>, 96 hour: 1000 mg/l, Fish

**Acute toxicity - aquatic invertebrates** EL50, 48 hour: 41 mg/l, Daphnia magna

### 12.2. Persistence and degradability

**Persistence and degradability** The degradability of the product is not known.

**Phototransformation** No other information known.

**Stability (hydrolysis)** No other information known.

**Biodegradation** No other information known.

**Biological oxygen demand** No other information known.

**Chemical oxygen demand** No other information known.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No other information known.

**Partition coefficient** Inconclusive data.

### 12.4. Mobility in soil

**Mobility** The product is immiscible with water and will spread on the water surface.

**Adsorption/desorption coefficient** No other information known.

**Henry's law constant** No other information known.

**Surface tension** No other information known.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No other information known.

### 12.6 Endocrine disrupting properties

**Endocrine disrupting properties** This product does not have endocrine disrupting properties.

**Ecological information on ingredients.**

### Fuelsi diesel

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

### 12.6. Other adverse effects

**Other adverse effects** No other information known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.



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**Disposal methods** Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Dispose of contents/container in accordance with local regulations. Avoid the spillage or runoff entering drains, sewers or watercourses. Environmental Manager must be informed of all major spillages.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

### SECTION 14: Transport information

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

#### 14.1. UN number

##### UN number or ID number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### Transport labels

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### Environmentally hazardous substance/marine pollutant

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

##### Maritime transport in bulk according to IMO instruments

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

### SECTION 15: Regulatory information

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

**National regulations** T. C. Regulation on the Classification, Labeling and Packaging of Substances and Mixtures No. 28848, dated 11 December 2013, by the Ministry of Environment and Urbanization.  
According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010



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<b>EU legislation</b>	Dangerous Preparations Directive 1999/45/EC. Dangerous Substances Directive 67/548/EEC. Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended). Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.
<b>Guidance</b>	Safety Data Sheets for Substances and Preparations. Source: European Chemicals Agency, <a href="http://echa.europa.eu/">http://echa.europa.eu/</a>
<b>Health and environmental listings</b>	Hazardous ingredients are listed.

### 15.2. Chemical safety assessment

Not applicable.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	E.U. : European union T.C. : Republic of Turkey TWA: Workplace exposure limits CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. vPvB: Very Persistent and Very Bioaccumulative. MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. vPvB: Very Persistent and Very Bioaccumulative. BCF: Bioconcentration Factor. LOAEL: Lowest Observed Adverse Effect Level. NOAEL: No Observed Adverse Effect Level. NOEC: No Observed Effect Concentration. DMEL: Derived Minimal Effect Level.
<b>Classification abbreviations and acronyms</b>	Acute Tox. = Acute toxicity Flam. Liq. = Flammable liquid Asp. Tox. = Aspiration hazard STOT SE = Specific target organ toxicity-single exposure STOT RE = Specific target organ toxicity-repeated exposure Skin Corr. = Skin corrosion Skin Sens. = Skin sensitisation Skin Irrit. = Skin irritation Eye Dam. = Serious eye damage Eye Irrit. = Eye irritation Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic)



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<b>General information</b>	MSDS Distribution : The information in this document should be made available to all who may handle the product. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Only trained personnel should use this material. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
<b>Key literature references and sources for data</b>	This SDS is prepared based on the information received from raw material suppliers.
<b>Classification procedures according to Regulation (EC) 1272/2008</b>	Aquatic Chronic 3 - H412: Calculation method., Supplier information Not classified for physical hazards.: Calculation method., Supplier information
<b>Training advice</b>	Untrained personnel should not use.
<b>Revision comments</b>	Revised classification.
<b>Issued by</b>	Ece Yigit Chemical Assessment Specialist (Certificate No: KDU01.30.08 18.02.2028)
<b>Revision date</b>	14/02/2024
<b>Revision</b>	3
<b>Supersedes date</b>	06/05/2020
<b>SDS number</b>	20723

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