

# SAFETY DATA SHEET CAM SUYU ANTIFRIZI (-18C)

SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1. Product identifier		
Product name	CAM SUYU ANTIFRIZI (-18C)	
1.2. Relevant identified uses of th	e substance or mixture and uses advised against	
Identified uses	Antifreeze liquid.	
Uses advised against	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.	
1.3. Details of the supplier of the	safety data sheet	
Supplier	PETROL OFİSİ A.Ş. Ünalan Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ Istanbul 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	ər	
Emergency telephone	Madeni Yağ Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)	
<b>.</b>		
National emergency telephone number	Emergency Medical Services: 112 National Poison Consultance Center: 114	
number	n	
number SECTION 2: Hazards identification 2.1. Classification of the substance Classification (EC 1272/2008)	n xe or mixture	
number SECTION 2: Hazards identification 2.1. Classification of the substance Classification (EC 1272/2008) Physical hazards	n ze or mixture Flam. Liq. 2 - H225	
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number SECTION 2: Hazards identification 2.1. Classification of the substance Classification (EC 1272/2008) Physical hazards Health hazards Environmental hazards Human health 2.2. Label elements	n Ee or mixture Flam. Liq. 2 - H225 Not Classified Not Classified	



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

Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P233 Keep container tightly closed.
	P240 Ground and bond container and receiving equipment.
	P241 Use explosion-proof electrical equipment.
	P242 Use non-sparking tools.
	P243 Take action to prevent static discharges.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
	P403+P235 Store in a well-ventilated place. Keep cool.
	P501 Dispose of contents/ container in accordance with national regulations.

#### 2.3. Other hazards

SECTION 3: Composition/information on ingredients

Not applicable.

3.2. Mixtures		
ETHANOL		40-60%
CAS number: 64-17-5	EC number: 200-578-6	
Classification		
Flam. Liq. 2 - H225		
PROPAN-2-OL		1-5%
CAS number: 67-63-0	EC number: 200-661-7	
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		

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

Composition comments	Some substances are not classified by legistlation. They are self classified by the manufacturer. The
	DMSO extract by IP 346 of the oil is less than 3%

### SECTION 4: First aid measures

4.1. Description of first aid measures	
General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	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.



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

Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.	
4.2. Most important symptoms and effects, both acute and delayed		
General information	Treat symptomatically.	
Inhalation	No specific symptoms known.	
Ingestion	No specific symptoms known.	
Skin contact	May cause skin sensitisation or allergic reactions in sensitive individuals.	
Eye contact	May irritate eyes.	
4.3. Indication of any immediate m	nedical attention and special treatment needed	
Notes for the doctor	Treat symptomatically.	
Specific treatments	Treat symptomatically.	
SECTION 5: Firefighting measure	8	
5.1. Extinguishing media		
Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.	
Unsuitable extinguishing media	Do not use the following: Water. Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising from t	5.2. Special hazards arising from the substance or mixture	
Specific hazards	Not flammable. Heating causes rise in pressure with risk of bursting.	
Hazardous combustion products	Oxides of carbon. BOx	
5.3. Advice for firefighters		
Protective actions during firefighting	Avoid breathing fire gases or vapours. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.	
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION 6: Accidental release m	easures	

6.1. Personal precautions, protective equipment and emergency procedures Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage. In case of spills, beware of slippery floors and surfaces. Necessary precautions should be taken to ensure that non-educated personnel do not intervene. For non-emergency personnel For emergency responders Stop the leakage source if it can be done without risk.Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection.Use suitable techniques such as nonflammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area.Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods. 6.2. Environmental precautions **Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up



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

Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the 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	ð
7.1. Precautions for safe handling	
Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Do not wear contact lenses. Keep away from heat, sparks and open flame. Static electricity and formation of sparks must be prevented. Use explosion proof electric equipment. Eye wash facilities and emergency shower must be available when handling this product. During application and drying, solvent vapours will be emitted. Avoid eating, drinking and smoking when using the product.
Advice on general occupational hygiene	Persons susceptible to allergic reactions should not handle this product. When using do not eat, drink or smoke. Eye wash facilities and emergency shower must be available when handling this product.
7.2. Conditions for safe storage, ir	ncluding any incompatibilities
Storage precautions	Store in tightly-closed, original container in a dry, cool and well-ventilated place.
Storage class	Not applicable.
7.3. Specific end use(s)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
	The product must be used as specified in the data sheet.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

#### Occupational exposure limits

2-(2-methoxyethoxy)ethanol;EU IOELV, TWA: 50,1 mg/m3; 10 ppm (possibility of significant uptake through the skin)

#### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL

#### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m<sup>3</sup> Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m<sup>3</sup> WEL = Workplace Exposure Limit.

	If this product contains a component with exclusion limits, to determine the effectiveness of ventilation and other control measures; and / or the necessity of the use of respiratory protective devices, the working environment or biological measurement and monitoring of employees may be required. The European Standard EN 689 and the relevant national guidelines should be taken as reference for the detection methods for assessing exposure to inhalation of chemicals of hazardous substances.
Biological limit values	There is no available data.
DNEL	There is no available data.
DMEL	There is no available data.



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

PNEC	There is no available data.
8.2. Exposure controls	
Protective equipment	
Appropriate engineering controls	Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.
Personal protection	Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately.
Eye/face protection	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.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	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.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties		
Appearance	Liquid.	
Colour	Blue-green.	
Odour	Characteristic.	
Odour threshold	No information available.	
рН	pH (diluted solution): 6,5-8 50	
Melting point	No information required.	
Initial boiling point and range	No information available.	
Flash point	23-60°C Pensky-Martens closed cup.	
Evaporation rate	No information available.	
Evaporation factor	No information available.	
Flammability (solid, gas)	Not applicable.	



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

Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	~0.95 g/ml @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information required.
Explosive properties	Not applicable.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for classification as oxidising.
Particle characteristic	Not applicable.
9.2. Other information	
Other information	No information required.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.
SECTION 10: Stability and reactivi	ty
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 reac	
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
10.4. Conditions to avoid	

10.4. Conditions to avoid



Conditions to avoid	Avoid heat, flames and other sources of ignition.	
10.5. Incompatible materials		
Materials to avoid	Strong oxidising agents. Strong acids. Strong alkalis.	
10.6. Hazardous decomposition p	10.6. Hazardous decomposition products	
Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). BOx	
SECTION 11: Toxicological inform	nation	
11.1. Information on toxicological	effects	
Information on hazard classes as defined in Regulation (EC) No 1272/2008		
Other health effects	No relevant information available.	
Toxicological effects	Information given is based on data of the components and of similar products.	
Acute toxicity - oral		
Summary	Based on available data, the classification criteria are not met.	
Notes (oral LD∞)	Ethanol-2-butoxy- LD₅₀ 2630 mg/kg, Oral, Rat 2,2'-oxybisethanol,diethylene glycol: LD₅₀ 1120 mg/kg, Oral, Human 2-(2-methoxyethoxy)ethanol: LD₅₀ 4 ml/kg, Oral, Rat dihydro-3-(tetrapropenyl)furan-2,5- dione: LD₅₀ 2900 mg/kg, Oral, Rat	
Acute toxicity - dermal		
Summary	Based on the available data, the classiication criteria are not met.	
Notes (dermal LD₅₀)	ethanol,-2-butoxy-: LD₅₀ 3540 (24h) mg/kg, Dermal, Rat 2,2'oxybısethanol,diethylene glycol: LD₅₀ 11890 mg/kg, Dermal, Rabbit 2-(2-methoxyethoxy)ethanol: LD₅₀ 650 mg/kg, Dermal, Rabbit dihydro-3- (tetrapropenyl)furan-2,5-dione: LD₅₀ >2000 mg/kg, Dermal, Rat LD₅₀ 6200- 7500 mg/kg, Dermal, Rabbit	
Acute toxicity - inhalation		
Summary	Basen on the available data, the classification criteria are not met.	
Notes (inhalation LC∞)	2,2'oxybisethanol,diethylene glycol: LC50 >4600 (4h) mg/m³, Inhalation, Rat dihydro-3- (tetrapropenyl)furan-2,5-dione: LC50 5,3 (4h) mg/l, Inhalation, Rat	
Skin corrosion/irritation		
Summary	Basen on the available data, the classification criteria are not met.	
Skin corrosion/irritation	May cause sensitation or allergic reactions.	
Animal data	No specific test data are available.	
Human skin model test	No specific test data are available.	
Extreme pH	No specific test data are available.	
Serious eye damage/irritation Summary	Based on available data, the classification criteria are not met.	
Serious eye damage/irritation	Product includes a compound which may cause eye irritaition.	
Respiratory sensitisation Summary	Based on available data, the classification criteria are not met.	



Respiratory sensitisation	There is no evidence that the product can cause respiratory hypersensitivity.
Skin sensitisation	
Summary	Does not meet the classification criteria.
Skin sensitisation	May cause sensitisation or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Summary	It is not expected to cause genetic damage in the light of current data.
Genotoxicity - in vitro	No specific test data are available.
Genotoxicity - in vivo	No specific test data are available.
Carcinogenicity Summary	There is no test data about the carcinogenicity of this product.
Carcinogenicity	2,2'-oxybisethanol,diethylene glycol: NOAEL 1160- 1210 mg/kg, bw/day, Oral, Rat
Target organ for carcinogenicity	No specific target organs known.
IARC carcinogenicity	Not listed.
NTP carcinogenicity	Not listed.
Reproductive toxicity	
Summary	There is no test data indicating that this product has a toxic effect on the reproductive system.
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	This substance has no evidence of toxicity to reproduction.
Specific target organ toxicity - sing	le exposure
Summary	Based on the available data, the classification criteria are not met.
STOT - single exposure	2,2'-oxybisethanol,diethylene glycol: NOAEL 100 mg/kg, bodyweight, Oral, Rat NOAEL 3549 mg/kg, bodyweight, mouse, Dermal, Rat, Rabbit
Target organs	No specific target organs known.
Specific target organ toxicity - repe	eated exposure
Summary	Based on the available data, the classification criteria are not met.
STOT - repeated exposure	2,2'-oxybisethanol,diethylene glycol: NOAEL 100 mg/kg, bodyweight, (225 days), Oral, Rat, mammalian
Target organs	No specific target organs known.
Aspiration hazard	
Summary	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.
Toxicokinetics	No information is required.
General information	Information given is based on data of the components and of similar products.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.



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

Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	There is not enough data.
Route of exposure	There is no available data.
Target organs	No specific target organs known.
Medical symptoms	No specific tes data are available.
Medical considerations	No specific tes data are available.
11.2 Information on other hazards	

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

### SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment.
12.1. Toxicity	
Toxicity	There is not enough data.
Acute aquatic toxicity	
Summary	Based on available information, the classification criteria are not met.
Acute toxicity - fish	LC₅₀, 96 hours: 596 (96 h) mg/l, Fish
Acute toxicity - aquatic invertebrates	No information required.
Acute toxicity - aquatic plants	No information required.
Acute toxicity - microorganisms	No information required.
Acute toxicity - terrestrial	No information required.
Chronic aquatic toxicity	
Summary	Based on available information, the classification criteria are not met.
Chronic toxicity - fish early life stage	No information required.
Short term toxicity - embryo and sac fry stages	No information required.
Chronic toxicity - aquatic invertebrates	No information required.
Toxicity to soil	There is not enough data.
Toxicity to terrestrial plants	There is not enough data.
12.2. Persistence and degradabili	ity
Persistence and degradability	Based on available information, the classification criteria are not met.
Phototransformation	No information available.



Stability (hydrolysis)	No information available.
Biodegradation	No information available.
Biological oxygen demand	No information available.
Chemical oxygen demand	No information available.
12.3. Bioaccumulative potential	
Bioaccumulative potential	The product is not bioaccumulating.
Partition coefficient	No information available.
12.4. Mobility in soil	
Mobility	The product is soluble in water.
Adsorption/desorption coefficient	No information available.
Henry's law constant	No information available.
Surface tension	No information available.
12.5. Results of PBT and vPvB as	sessment
Results of PBT and vPvB assessment	This substance is not classified as PBT or vPvB according to current EU criteria.
12.6 Endocrine disrupting properties	
Endocrine disrupting properties	This product does not have endocrine disrupting properties.
12.6. Other adverse effects	
Other adverse effects	No information required.
SECTION 13: Disposal considera	tions
13.1. Waste treatment methods	
General information	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in
	accordance with the requirements of the local Waste Disposal Authority. The packaging must be empty (drop-free when inverted). Do not puncture or incinerate, even when empty.
Disposal methods	
Disposal methods Waste class	<ul><li>(drop-free when inverted). Do not puncture or incinerate, even when empty.</li><li>Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an</li></ul>
	<ul> <li>(drop-free when inverted). Do not puncture or incinerate, even when empty.</li> <li>Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.</li> <li>The waste code classification is to be carried out according to the European Waste Catalogue (EWC).</li> </ul>
Waste class	<ul> <li>(drop-free when inverted). Do not puncture or incinerate, even when empty.</li> <li>Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.</li> <li>The waste code classification is to be carried out according to the European Waste Catalogue (EWC).</li> </ul>
Waste class SECTION 14: Transport informati	(drop-free when inverted). Do not puncture or incinerate, even when empty. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion. The waste code classification is to be carried out according to the European Waste Catalogue (EWC). <b>on</b> The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA,
Waste class SECTION 14: Transport informati General	(drop-free when inverted). Do not puncture or incinerate, even when empty. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion. The waste code classification is to be carried out according to the European Waste Catalogue (EWC). <b>on</b> The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA,
Waste class SECTION 14: Transport informati General 14.1. UN number	(drop-free when inverted). Do not puncture or incinerate, even when empty. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion. The waste code classification is to be carried out according to the European Waste Catalogue (EWC). <b>on</b> The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA,



UN No. (IMDG)	1993
UN No. (ICAO)	1993
14.2. UN proper shipping name	
Not applicable.	
Proper shipping name (ADR/RID)	FLAMMABLE LIQUID, N.O.S. (ETHANOL, 2-METHYLPROPAN-2-OL)
Proper shipping name (IMDG)	FLAMMABLE LIQUID, N.O.S. (ETHANOL, 2-METHYLPROPAN-2-OL)
Proper shipping name (ICAO)	FLAMMABLE LIQUID, N.O.S. (ETHANOL, 2-METHYLPROPAN-2-OL)
Proper shipping name (ADN)	FLAMMABLE LIQUID, N.O.S. (ETHANOL, 2-METHYLPROPAN-2-OL)
14.3. Transport hazard class(es)	
No transport warning sign required	L.
ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3
Transport labels	
14.4. Packing group	
Not applicable.	
ADR/RID packing group	П
IMDG packing group	П
ICAO packing group	П
14.5. Environmental hazards	
Environmentally hazardous substance/marine pollutant No.	
14.6. Special precautions for user	
Not applicable.	
EmS	F-E, S-E
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	



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

Maritime transport in bulk according to IMO instruments	Not applicable.
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	<ul> <li>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.</li> <li>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.</li> <li>According to Regulation (EC) No 1907/2006, Annex II, as amended.</li> </ul>
EU legislation	https://echa.europa.eu
Guidance	Safety Data Sheets for Substances and Preparations.
Health and environmental listings	Hazardous ingredients are listed.

#### 15.2. Chemical safety assessment

Not applicable.

#### **SECTION 16: Other information**

Abbreviations and acronyms used in the safety data sheet	<ul> <li>TWA: Workplace exposure limits</li> <li>UZEM: National Poison Information Center</li> <li>ATE: Acute Toxicity Estimate.</li> <li>CAS: Chemical Abstracts Service.</li> <li>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</li> <li>IATA: International Air Transport Association.</li> <li>IMDG: International Maritime Dangerous Goods.</li> <li>LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.</li> <li>LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).</li> <li>PBT: Persistent, Bioaccumulative and Toxic substance.</li> <li>REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.</li> <li>vPvB: Very Persistent and Very Bioaccumulative.</li> <li>NOAEL: No Observed Adverse Effect Level.</li> </ul>
Classification abbreviations and acronyms	Eye Dam. = Serious eye damage Acute Tox. = Acute toxicity Eye Irrit. = Eye irritation Skin Sens. = Skin sensitisation Aquatic Chronic = Hazardous to the aquatic environment (chronic)



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

General information	Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. MSDS Distribution : The information in this document should be made available to all who may handle the product. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Key literature references and sources for data	This SDS is prepared based on the information received from raw material suppliers.
Classification procedures according to Regulation (EC) 1272/2008	EUH208: Supplier information
Training advice	Untrained personnel should not use.
Revision comments	Revised classification.
Issued by	Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)
Revision date	23/12/2024
Revision	8
Supersedes date	16/10/2019
SDS number	20588
SDS status	Approved.
Hazard statements in full	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

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