



## SAFETY DATA SHEET OZEL ANTIFRIZ

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

#### 1.1. Product identifier

Product name OZEL ANTIFRIZ

Product number 13202

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

Identified uses Antifreeze liquid.

#### 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/ İstanbul  
Tel: +90 850 339 1919  
Fax: +90 216 275 3854  
madeniyag@petrolofisi.com.tr

#### 1.4. Emergency telephone number

Emergency telephone Madeni Yağ Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards Not Classified

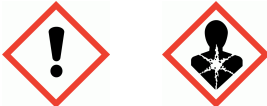
Health hazards Acute Tox. 4 - H302 STOT RE 2 - H373

Environmental hazards Not Classified

Human health Contains a substance/a group of substances which may damage the unborn child.

#### 2.2. Label elements

##### Hazard pictograms



Signal word Warning

Hazard statements  
H302 Harmful if swallowed.  
H373 May cause damage to organs through prolonged or repeated exposure.

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<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P314 Get medical advice/ attention if you feel unwell.</p> <p>P330 Rinse mouth.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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<b>Contains</b>	ETHANEDIOL
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### 2.3. Other hazards

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

ETHANEDIOL			90-100%
CAS number: 107-21-1	EC number: 203-473-3	REACH registration number: 01-2119456816-28-0000	
<b>Classification</b> Acute Tox. 4 - H302 STOT RE 2 - H373			
Sodyum benzoat			5-10%
CAS number: 532-32-1	EC number: 208-534-8	REACH registration number: 01-2119460683-35-0000	
<b>Classification</b> Eye Irrit. 2 - H319			
DISODIUM TETRABORATE PENTAHYDRATE			<1%
CAS number: 12179-04-3	EC number: 215-540-4	REACH registration number: 01-2119490790-32-0000	
<b>Classification</b> Eye Irrit. 2 - H319 Repr. 1B - H360FD			

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues.
<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

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**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 promptly if symptoms occur after washing.

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

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

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Extinguish with foam, carbon dioxide or dry powder.

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

### 5.3. Advice for firefighters

**Special protective equipment for firefighters** 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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions** Contain spillage with sand, earth or other suitable non-combustible material.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. If involved in a fire, shut off flow if it can be done without risk.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid spilling. Avoid contact with skin and eyes. Do not handle broken packages without protective equipment.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

**Storage class** Chemical storage.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### **ETHANEDIOL**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 104 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit

**Ingredient comments** WEL = Workplace Exposure Limits

### 8.2. Exposure controls

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### Protective equipment



### Appropriate engineering controls

Provide adequate general and local exhaust ventilation.

### Eye/face protection

The following protection should be worn: Chemical splash goggles.

### Hand protection

It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour 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. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin 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.

## SECTION 9: Physical and chemical properties

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

Appearance	Liquid.
Colour	Clear liquid.
Odour	Characteristic.
pH	pH (diluted solution): 7-9.33
Relative density	1.12 g/ml @ 20°C

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Acids. Oxidising agents.
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### 10.5. Incompatible materials

### 10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

ATE oral (mg/kg)	526.87
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<b>Inhalation</b>	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
<b>Ingestion</b>	Harmful if swallowed.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	No specific health hazards known.

### SECTION 12: Ecological information

**Ecotoxicity** The product is mildly toxic to aquatic organisms.

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

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

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### 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)

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

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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	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

Key literature references and sources for data	This SDS is prepared based on the information received from raw material suppliers.
Revision comments	Revised classification.
Issued by	Emrah Parmak
Revision date	24/03/2016
Revision	3
Supersedes date	17/06/2011
SDS number	10094
Hazard statements in full	H302 Harmful if swallowed. H319 Causes serious eye irritation. H360FD May damage fertility. May damage the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H373 May cause damage to organs through prolonged or repeated exposure if swallowed.

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.