



## SAFETY DATA SHEET

### CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)

According to Regulation (EU) No 453/2010

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1. Product identifier

**Product name** CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)  
**REACH Registration number** Ethanol: 01-2119457610-43-0205

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

**Identified uses** Food heater gel  
**Uses advised against** No specific uses advised against are identified.

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

**Supplier** GİZA DIŞ TİC. VE SAN. KOLL. ŞTİ.  
Avrupa Serbest Bolgesi  
112 ADA 15 Parsel  
Çorlu-TEKİRDAĞ / TURKEY  
Tel.: + 90 282 691 11 92  
Fax:+ 90 282 691 11 93  
**Contact Person** Ms. Seda Şenyuva / Export Dept.

##### 1.4. Emergency telephone number

GIZA GROUP : +90 282 6911192 – office hours

#### SECTION 2: HAZARDS IDENTIFICATION

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

**Classification (1999/45/EEC)** F;R11.

##### **Human health**

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. May irritate eyes and skin. In high concentrations, vapours may be irritating to the respiratory system.

##### **Environment**

The product is not expected to be hazardous to the environment.

##### **Physical and Chemical Hazards**

Closed containers can burst violently when heated, due to excess pressure build-up.

##### 2.2. Label elements

##### **Labelling**



Highly flammable

##### **Risk Phrases**

R11 Highly flammable

##### **Safety Phrases**

S2 Keep out of the reach of children.  
S9 Keep container in a well-ventilated place.  
S7 Keep container tightly closed.  
S16 Keep away from sources of ignition - No smoking.  
S46 If swallowed, seek medical advice immediately and show this container or label.

##### 2.3. Other hazards

This product does not contain any PBT or vPvB substances.



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixtures

<b>ETHANOL</b>	<b>75-85%</b>
<b>CAS-No.: 64-17-5</b>	<b>EC No.: 200-578-6</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225	Classification (67/548/EEC) F;R11
<b>TRIETHYLAMINE</b>	<b>&lt; 1%</b>
<b>CAS-No.: 121-44-8</b>	<b>EC No.: 204-469-4</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Corr. 1A - H314 STOT SE 3 - H335	Classification (67/548/EEC) F;R11 C;R35 Xn;R20/21/22

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**REACH Registration number** Ethanol: 01-2119457610-43-0205

#### **Composition Comments**

The data shown are in accordance with the latest EC Directives.

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of first aid measures

##### **General information**

General first aid, rest, warmth and fresh air.

Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

##### **Inhalation**

Move the exposed person to fresh air at once.

Place unconscious person on the side in the recovery position and ensure breathing can take place.

If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

##### **Ingestion**

Immediately rinse mouth and drink plenty of water. Keep person under observation.

If person becomes uncomfortable seek hospital and bring these instructions. Never give liquid to an unconscious person.

##### **Skin contact**

Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water.

Promptly remove clothing if soaked through and flush skin with water. Get medical attention if irritation persists after washing.

##### **Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing.

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

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

##### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea.



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### **Ingestion**

Nausea, vomiting. Dizziness.

### **Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

### **Eye contact**

Prolonged contact may cause redness and/or tearing.

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

Treat Symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media**

Use: Alcohol resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

#### **Unsuitable extinguishing media**

Do not use water if avoidable.

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

#### **Unusual Fire & Explosion Hazards**

Fire causes formation of toxic gases.

#### **Specific hazards**

Fire creates: Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NO<sub>x</sub>).

### **5.3. Advice for firefighters**

#### **Special Fire Fighting Procedures**

Avoid breathing fire vapours. Be aware of risk of fire re-starting, and risk of explosion.

Containers close to fire should be removed or cooled with water.

Cool containers exposed to flames with water until well after the fire is out. Dike and collect extinguishing water.

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Wear protective clothing as described in Section 8 of this safety data sheet.

Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Provide adequate ventilation.

### **6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. Avoid release to the environment.

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

Keep combustibles away from spilled material. Shovel into dry containers.

Cover and move the containers. Flush the area with water. Wash thoroughly after dealing with a spillage.

### **6.4. Reference to other sections**

For personal protection, see section 8.

See section 11 for additional information on health hazards.

For waste disposal, see section 13.



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### SECTION 7: HANDLING AND STORAGE

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and open flame.  
Static electricity and formation of sparks must be prevented.  
Eye wash facilities and emergency shower must be available when handling this product.  
Avoid inhalation of vapours.  
Avoid contact with skin and eyes.  
Do not use contact lenses.  
During application and drying, solvent vapours will be emitted.  
Provide good ventilation.

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

Store in tightly closed original container in a dry and cool place.  
Store away from: Oxidising material. Acids.  
Keep away from food, drink and animal feeding stuffs.  
Keep out of the reach of children.

#### 7.3. Specific end use(s)

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

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
ETHANOL	WEL	1000 ppm	1920 mg/m <sup>3</sup>			
TRIETHYLAMINE	WEL	2 ppm(Sk)	8 mg/m <sup>3</sup> (Sk)	4 ppm(Sk)	17mg/m <sup>3</sup> (Sk)	

#### **Ingredient Comments**

WEL = Workplace Exposure Limits

#### 8.2. Exposure controls

##### **Protective equipment**



##### **Process conditions**

Provide eyewash station.

##### **Engineering measures**

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

##### **Respiratory equipment**

In case of inadequate ventilation and work of brief duration, use suitable respiratory equipment.  
Wear air supplied respiratory protection. Suitable respiratory protection must be used at high concentrations.  
Self-contained breathing apparatus with full facepiece.

##### **Hand protection**

Protective gloves and goggles must be used if there is a risk of direct contact or splash.



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### **Eye protection**

Contact lenses should not be worn when working with this chemical!  
Wear approved safety goggles.

### **Other Protection**

Use engineering controls to reduce air contamination to permissible exposure level.  
Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### **Hygiene measures**

Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.  
Promptly remove any clothing that becomes contaminated. Isolate contaminated clothing and wash before reuse.

### **Skin protection**

Wear apron or protective clothing in case of contact.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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

<b>Appearance</b>	Gel.	
<b>Colour</b>	Colourless.	
<b>Solubility</b>	Completely soluble in water.	
<b>Initial boiling point and boiling range</b>	79°C	
<b>Bulk Density</b>	0.84 kg/l	@25°C
<b>Vapour pressure</b>	44 mm Hg	@20°C
<b>pH-Value, Conc. Solution</b>	7.5 - 8.5	
<b>Viscosity</b>	3570 Ps	@25°C
<b>Flash point</b>	16 °C	CC (Closed cup).
<b>Auto Ignition Temperature</b>	451°C	
<b>Flammability Limit - Lower</b>	3.3 %	
<b>Flammability Limit - Upper</b>	19 %	

### **9.2. Other information**

<b>Volatile Organic Compound (VOC)</b>	85%
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## **SECTION 10: STABILITY AND REACTIVITY**

### **10.1. Reactivity**

No specific reactivity hazards associated with this product.

### **10.2. Chemical stability**

No particular stability concerns.

### **10.3. Possibility of hazardous reactions**

Not known.

### **10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition. Avoid contact with acids and oxidising substances.

### **10.5. Incompatible materials**

Acids, oxidising

### **10.6. Hazardous decomposition products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.  
Carbon monoxide (CO). Hydrogen cyanide (HCN). Nitrous gases (NOx).



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### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

##### **Other Health Effects**

This substance has no evidence of carcinogenic properties. IARC Not Listed. NTP Not Listed. OSHA Not Regulated.

##### **Inhalation**

In high concentrations, vapours may irritate throat and respiratory system and cause coughing.

##### **Ingestion**

Gastrointestinal symptoms, including upset stomach.

##### **Skin contact**

Repeated exposure may cause skin dryness or cracking. Irritating to skin.

##### **Eye contact**

Irritating and may cause redness and pain.

##### Toxicological information on ingredients.

###### ETHANOL (CAS: 64-17-5)

###### **Toxic Dose 1 - LD 50**

6200 mg/kg (oral - rat)

###### **Toxic Dose 2 - LD 50**

7060 mg/kg (oral - rat)

###### **Toxic Conc. - LC 50**

124.7 mg/l/4h (inh.- rat)

###### TRIETHYLAMINE (CAS: 121-44-8)

###### **Toxic Dose 1 - LD 50**

730 mg/kg (oral rat)

###### **Toxic Conc. - LC 50**

3496 ppm/1h (inh-rat)

### SECTION 12: ECOLOGICAL INFORMATION

##### **Ecotoxicity**

The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

##### Ecological information on ingredients.

###### ETHANOL (CAS: 64-17-5)

###### **LC 50, 96 Hrs, Fish**

11000 mg/l *Alburnus alburnus*

###### **EC 50, 48 Hrs, Daphnia,**

3715-6772 mg/l

###### **IC 50, 72 Hrs, Algae,**

9310 mg/l *Chlorella pyrenoidosa*

###### TRIETHYLAMINE (CAS: 121-44-8)

###### **LC 50, 96 Hrs, Fish**

330 mg/l

###### **EC 50, 48 Hrs, Daphnia,**

200 mg/l



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### 12.2. Persistence and degradability

#### Degradability

The product is biodegradable.

### 12.3. Bioaccumulative potential

#### Bioaccumulative potential

No data available on bioaccumulation.

### 12.4. Mobility in soil

#### Mobility:

The product is miscible with water. May spread in water systems.

### 12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

### 12.6. Other adverse effects

None known

## SECTION 13: DISPOSAL CONSIDERATIONS

### General information

Waste to be treated as controlled waste.

Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

### 13.1. Waste treatment methods

Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

Make sure containers are empty before discarding (explosion risk).

Environmental manager must be informed of all major spillages. Do not allow runoff to sewer, waterway or ground.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN No. (ADR/RID/ADN)	1325
UN No. (IMDG)	1325
UN No. (ICAO)	1325

### 14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S.

### 14.3. Transport hazard class(es)

ADR/RID/ADN Class	4.1
ADR/RID/ADN Class	Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.
ADR Label No.	4.1
IMDG Class	4.1
ICAO Class/Division	4.1
Transport Labels	





## **CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)**

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### **14.4. Packing group**

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

### **14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant  
No.

### **14.6. Special precautions for user**

EMS	F-A, S-G
Emergency Action Code	1Z
Hazard No. (ADR)	40
Tunnel Restriction Code	(E)

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

No information required.

## **SECTION 15: REGULATORY INFORMATION**

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

#### **Uk Regulatory References**

Fire precautions Act 1971. Chemicals (Hazard Information & Packaging) Regulations. Health and Safety at Work Act 1974.

#### **EU Legislation**

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### **National Regulations**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689. Workplace Exposure Limits 2005 (EH40)

#### **Water hazard classification**

WGK 1

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

#### **Information Sources**

This SDS is prepared based on the information received from the product owner.

#### **Revision Comments**

The SDS is generated in accordance with the REACH regulation.

**Issued By** Bülent Özdemir / CRAD Çevre Risk Analiz Denetim ve Eğitim Hizm. Ltd.Şti.  
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**Safety Data Sheet Status** Approved.





## **CHAFERGEL - CHAFING DISH FUEL (ETHANOL GEL)**

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### **Risk Phrases In Full**

R35	Causes severe burns.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R11	Highly flammable
R37	Irritating to respiratory system.

### **Hazard Statements In Full**

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.

### **Disclaimer**

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.