

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

## Skin and Hand Disinfectant; Gel

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

#### 1.1. Product identifiers

Product Name	: Skin and Hand Disinfectant; Gel
Trademark	: MANOGEL
Product Ref No	: 6085

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

Skin and hand disinfectant; gel.

#### 1.3. Detailers of the supplier of the safety data sheet:

**Company Name** : GBL Gül Biyoloji Laboratuvarı Sanayi ve Ticaret Anonim Şirketi  
**Address** : **HQ:** Serifali Mah. Hattat Sk. No:10 P.O.: 34775 Ümraniye İstanbul TÜRKİYE  
**Factory:** Dudullu OSB Mah. İMES C Blok 305 Sk. No:16 P.O.: 34775 Ümraniye İstanbul TÜRKİYE  
**Telephone** : +90 216 364 15 00  
**Fax** : +90 216 314 15 69  
**E-mail** : [export@gbl.com.tr](mailto:export@gbl.com.tr)

#### 1.4. Emergency telephone number:

Company: +90 216 364 15 00 or contact your local emergency telephone number

### 2. Hazard identification:

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

**Classification according to Regulation (EC) No 1272/2008**

Flammable liquid, Category 2; H225

Eye irritation, Category 2; H319

For the full text of the H-statements mentioned in this Section, see Section 16.

#### 2.2. Label Elements

**Labelling according to Regulation (EC) No 1272/2008**

Pictogram



Signal word : Danger

Hazard statement(s) :

H225: Highly flammable liquid and vapor.

H319: Causes serious eye irritation.

Precautionary statement(s) :

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233: Keep container tightly closed.

P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements : None

**2.3. Other hazards:** None.

### 3. Composition/information of ingredients:

#### 3.1. Substance:

Not applicable.

#### 3.2. Mixture:

Component	Classification	Concentration
Ethyl Alcohol, 96% CAS No: 64-17-5 EC No: 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	62,5 %
Isopropyl Alcohol CAS No: 200-661-7 EC No: 67-63-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	10 %

For the full text of the H-statements mentioned in this Section, see Section 16.

### 4. First aid measures:

#### 4.1. Description of first aid measures

##### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### If inhaled

If breathed in, move the person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

##### In case of skin contact

Wash off with soap and plenty of water.

##### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

##### If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

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

No data available.

### 5. Firefighting measures:

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam and dry powder.

##### Unsuitable extinguishing media

Water jet and water spray.

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

No data available

#### 5.3. Advice for firefighters

Special protective masks and protective clothing should be worn during firefighting. Use a self-contained breathing apparatus.

#### 5.4. Further information

No data available.

### 6. Accidental release measures:

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

Use personal protective equipment. Avoid breathing vapors, mist or gas.

Self-contained breathing apparatus.

Chemical protection suit if the risk of personal contact.

Consider wearing standard firefighting clothing underneath the suit.

#### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains.

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

Stop leaks if possible.

Contain spillage by any means available.

Check explosive limits.

Use low-sparking hand tools and intrinsically safe equipment.

Absorb liquid in sand or earth or any other suitable material or cover with foam.

If the substance has entered a watercourse or sewer, inform the responsible authority.

Ventilate sewers and basements where there is no risk to personnel or the public.

#### 6.4. Reference to other sections

For disposal see section 13.

### 7. Handling and storage:

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#### 7.1. Precautions for safe handling

Avoid contact with eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see section 2.2.

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

Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place.

Containers that are opened must be carefully resealed and kept upright to prevent leakage.

Smoking, eating, and drinking should be prohibited in the environment. Store the substance/preparation in its original container. Keep away from flammable materials, heat, and igniters.

For the recommended storage temperature, see the product label.

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

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### 8. Exposure controls/personal protection:

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#### 8.1. Control parameters

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

OSHA PEL: 1000 ppm (1900 mg/m<sup>3</sup>) TWA

NIOSH REL: 1000 ppm (1900 mg/m<sup>3</sup>) TWA

Isopropyl Alcohol [CAS No: 67-63-0]:

OSHA PEL: 400 ppm (980 mg/m<sup>3</sup>) TWA

NIOSH REL: 400 ppm (980 mg/m<sup>3</sup>) TWA

NIOSH REL: 500 ppm (1225 mg/m<sup>3</sup>) ST

#### 8.2. Exposure controls

Appropriate engineering controls

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### **Personal protective equipment**

Hygiene measures: No specific measures identified.

Eye/face protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Skin and body protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

#### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let the product enter drains.

## **9. Physical and chemical properties:**

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

Appearance	Liquid
Color	Colorless
Odor	Flower Scent
pH	5,8±2,0
Melting point	-114 °C (For 100% Ethyl Alcohol)
Boiling point	78 °C (for 100% Ethyl Alcohol)
Flash point	23,7 °C
Evaporation rate	1.7 (for 100% Ethyl Alcohol)
Flammability	Highly flammable.
Vapor pressure	44.6 mmHg @ 20°C (for 100% Ethyl Alcohol)
Vapor density	1.6 (for 100% Ethyl Alcohol)
Density	0,88±0,05 g/cm <sup>3</sup>
Water solubility	Soluble.
Partition coefficient: n-octanol/water	-0.35 (for 100% Ethyl Alcohol)
Auto-ignition temperature	363 °C (for 100% Ethyl Alcohol)
Viscosity	> 400 cPs
Explosive properties	Not explosive, but vapors may form explosive mixtures with air.
Oxidizing properties	No data available.

### **9.2. Other safety information**

No data available.

## **10. Stability and reactivity:**

### **10.1. Reaction**

No hazardous reaction if the instructions/indications for storage and handling are respected.

### **10.2. Chemical stability**

Stable under recommended storage conditions.

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

Heat, flames, and sparks.

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

Open flame. Overheating.

### **10.5. Incompatible materials**

Oxidizing agents, acids.

## 10.6. Hazardous decomposition products

At high temperatures, dangerous decomposition products may be produced, such as fumes, carbon dioxide and carbon monoxide.

## 11. Toxicological information:

### 11.1. Information on toxicological effects

#### Acute toxicity

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

LD 50 Intraperitoneal – mouse – 528 mg/kg

LD 50 Oral – mouse – 3450 mg/kg

LD 50 Oral – rabbit – 6300 mg/kg

LD 50 Oral – rat – 7060 mg/kg

Isopropyl Alcohol [CAS No: 67-63-0]:

LD 50 Oral – rat – 5840 mg/kg

LD 50 Intraperitoneal – mouse – 933 mg/kg

LD 50 Dermal – rabbit – 13 g/kg

#### Skin corrosion/irritation

No evidence of skin sensitization.

#### Serious eye damage/eye irritation

Causes serious eye irritation (Category 2).

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

Method: OECD Test Guideline 405

Isopropyl Alcohol [CAS No: 67-63-0]:

Species: Rabbit

Result: Irritation to eyes, reversing within 21 days

#### Respiratory or skin sensitization

Not classified based on available information.

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse

Result: negative

Isopropyl Alcohol [CAS No: 67-63-0]:

Test Type: Buehler Test

Routes of exposure: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

#### Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

#### Reproductive Toxicity

Not classified based on available information.

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

Effects on fertility:

Test Type: Two-generation reproduction toxicity study

Species: Mouse

Application Route: Ingestion

Method: OECD Test Guideline 416

Result: negative

Isopropyl Alcohol [CAS No: 67-63-0]:

Effects on fertility:

Test Type: Two-generation reproduction toxicity study

Species: Rat Application

Route: Ingestion

Result: negative

**Specific target organ toxicity – single exposure**

Not classified based on available information.

**Specific target organ toxicity – repeated exposure**

Not classified based on available information.

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

Test Type: Local lymph node assay (LLNA)

Routes of exposure: Skin contact

Species: Mouse

Result: negative

Isopropyl Alcohol [CAS No: 67-63-0]:

Test Type: Buehler Test

Routes of exposure: Skin contact

Species: Guinea pig

Method: OECD Test Guideline 406

Result: negative

**Aspiration hazard**

Not classified based on available information.

**11.2. Additional information**

No data available.

**12. Ecological information:**

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**12.1. Toxicity**

Ethyl Alcohol, 96% [CAS No: 64-17-5]:

LC50/96 h (Fish): 3169.759 mg/L (ppm)

LC50/48 h (Daphnid): 1476.944 mg/L (ppm)

EC50/96 h (Green Alge): 485.795 mg/L (ppm)

Isopropyl Alcohol [CAS No: 67-63-0]:

LC50/96 h (Fish): 1743.475 mg/L (ppm)

LC50/48 h (Daphnid): 844.305 mg/L (ppm)

EC50/96 h (Green Alge): 325.707 mg/L (ppm)

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

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

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 12.6. Other adverse effects

No data available.

## 13. Disposal considerations:

### 13.1. Waste treatment methods:

Waste from residues: Dispose of by local regulations.

Contaminated packaging: Dispose of it as an unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not burn, or use a cutting torch on, the empty drum.

## 14. Transport information:

### ADR

ADR Class : 3  
UN Number : UN 1987  
Packaging Group : II  
Propper Shipping Name : ALCOHOLS, N.O.S. (ETHYL ALCOHOL, 2-PROPANOL)  
Label : 3



Tunnel Code : D/E

### IMDG

IMDG Class : 3  
UN Number : UN 1987  
Packaging Group : II  
Propper Shipping Name : ALCOHOLS, N.O.S. (ETHYL ALCOHOL, 2-PROPANOL)  
EmS : F-E; S-D  
Environmentally Hazardous : No

### IATA

IATA Class : 3  
UN Number : UN 1987  
Packaging Group : II  
Propper Shipping Name : ALCOHOLS, N.O.S. (ETHYL ALCOHOL, 2-PROPANOL)

## 15. Regulatory information

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

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### 15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

## 16. Other information:

### Full text of H-statements referred to under sections 2 and 3.

H225: Highly flammable liquid and vapor.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

**Full text of other abbreviations**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstract Service (a division of the American Chemical Society)

EC: European Inventory of Existing Commercial Chemical Substances

EC50: Median Effective Concentration

EmS: Emergency Procedure

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PBT: Persistent, Bioaccumulative, and Toxic

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

TWA: Time-Weighted Average

vPVB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Eye irritation, Hazard Category 2

Flam. Liq. 1: Flammable liquid, Hazard Category 2

STOT SE 3: Specific target organ toxicity – single exposure, Hazard Category 3

**Notice to Reader:** The information contained herein is accurate to the latest knowledge and describes the product from the point of view of health and environmental protection as well as safe handling. The information presented in this SDS refers to the technical product only and will not apply to any processed product. Final determination of suitability of any materials is the sole responsibility of the user.