

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Skin and Hand Disinfectant

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

1.1. Product identifiers

Trademark	: Skin and Hand Disinfectant
Product Name	: GBL® MANOCHOL EP-70
REF No	: 6215

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

Skin and hand disinfectant; Alcohol-based hygienic treatment and surgical disinfection of hands. Formulated for surgical and hygienic hand disinfection.

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. IMES 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

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 liquids, Category 2; H225

Eye irritation, Category 2; H319

Specific Target Organ Toxicity (single exposure), Category 3; H336

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

2.2. Label Elements

Labeling 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.

H336: May cause drowsiness or dizziness.

Precautionary statement(s) :

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

P233: Keep the container tightly closed.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.

P337+P313: If eye irritation persists get medical advice/attention.

P403+P235: Store in a well-ventilated place. Keep cool.

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
Ethanol Denatured, %96 CAS No: 64-17-5 EC No: 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 40 - < 50 %
2-Propanol CAS No: 67-63-0 EC No: 200-661-7	Flam Liq. 2; H225 Eye Irrit. 2; H319 STOS SE 3; H336	>= 20 - < 25 %

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.

Remove the victim into fresh air. Immediately consult a doctor/medical service.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Rinse with water. Remove contact lenses, if present, and easy to do. Continue rinsing. Take the victim to an ophthalmologist if irritation persists.

If swallowed.

Rinse mouth with water. Immediately after ingestion, give alcohol to drink. Give nothing to drink. Do not induce vomiting. Immediately consult a doctor/medical service. Take the container/vomit to the doctor/hospital.

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

No data available.

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:

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 the drain.

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:

7.1. Precautions for safe handling

Avoid contact with eyes. Keep away from sources of ignition - No smoking. Take measures to prevent the build-up 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 ignitors.

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:

8.1. Control parameters

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

NIOSH REL: TWA 1000 ppm (1900 mg/m³)

OSHA PEL: TWA 1000 ppm (1900 mg/m³)

2-Propanol [CAS No: 67-63-0]:

OSHA PEL: TWA 400 ppm (980 mg/m³)

NIOSH REL: TWA 400 ppm (980 mg/m³)

NIOSH REL: STEL 500 ppm (1225 mg/m³)

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
Odor threshold	No data available.
pH	5,5±0,4

Melting point	No data available.
Boiling point	No data available.
Flash point	No data available.
Evaporation rate	No data available.
Flammability	No data available.
Upper/lower flammability or explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Density	0,83±0,03
Water solubility	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

9.2. Other safety information

No data available.

10. Stability and reactivity:**10.1. Reaction**

No data available.

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

No data available.

11. Toxicological information:**11.1. Information on toxicological effects****Acute toxicity**

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

LD50 Intraperitoneal – mouse – 528 mg/kg

LD50 Oral – mouse – 3.450 mg/kg

LD50 Oral – rabbit – 6.300 mg/kg

LD50 Oral – rat – 7.060 mg/kg

2-Propanol [CAS No: 67-63-0]:

LD50 Oral – rat – 5840 mg/kg

LD50 Intraperitoneal – mouse – 933 mg/kg

LD50 Skin – rabbit – 13 g/kg

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Carcinogenicity

No data available.

Reproductive Toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

11.2. Additional information

No data available.

12. Ecological information:**12.1. Toxicity****Ethanol, %96 [CAS No: 64-17-5]:**

LC50/96 h Fish: 3169.759 mg/L

LC50/48 h Daphnid: 1476.944 mg/L

EC50/96 h Green Alga: 485.795 mg/L

LC50/96 h Mysid: 12488.207 mg/L

2-Propanol [CAS No: 67-63-0]:

LC50/96 h Fish: 1743.475 mg/L

LC50/48 h Daphnid: 844.305 mg/L

EC50/96 h Green Alga: 325.707 mg/L

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

No data available.

12.6. Other adverse effects

No data available.

13. Disposal considerations:

13.1. Waste treatment methods:

Waste materials must be disposed of in accordance with Directive 2008/98/EC and other National and Local Regulations. Leave chemicals in original containers. Do not mix with other waste. Treat uncleaned containers as the product itself.

14. Transport information:

ADR/RID

ADR/RID Class	: 3
UN Number	: 1987
Packaging Group	: II
Proper Shipping Name	: ALCOHOLS, N.O.S. (ETHYL ALCOHOL, 2-PROPANOL)
Label	: 3
Tunnel Code	: D/E

IMDG

IMDG Class	: 3
UN Number	: 1987
Packaging Group	: II
Proper Shipping Name	: ALCOHOLS, N.O.S. (ETHYL ALCOHOL, 2-PROPANOL)
EmS	: F-E; S-D

ICAO/IATA

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

15. Regulatory information

15.1. Safety, health, and environmental regulations/legislation specific to 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.

Abbreviations:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS No	Chemical Abstracts Service number
EC No	European Inventory of Existing Commercial Chemical Substances
EC50	Effective concentration, 50 percent
EmS	Emergency Schedule
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Good
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
RID	International Carriage of Dangerous Goods by Rail
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative

Notice to Reader: The information contained herein is accurate to the latest knowledge and describes the product from the point of view of help 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.