

# SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

## Hemodialysis Machine Disinfectant; Peracetic Acid Based

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

#### 1.1. Product identifiers

Product Name	: Hemodialysis Machine Disinfectant; Peracetic Acid Based
Trademark	: PEROXY™ PLUS
Product Ref No	: 6123

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

Cleaning agent for hemodialysis machine.

#### 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

Oxidizing liquid, Category 2; H272

Acute toxicity, Category 4; H302

Skin corrosive, Category 1A; H314

Specific target organ toxicity, Single exposure, Category 3; H335

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

Pictograms



Signal word : Danger

Hazard statement(s) :

H272: May intensify fire; oxidizer.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H335: May cause respiratory irritation.

Precautionary statement(s) :

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

P260: Do not breathe dust/fume/gas/mist/vapors/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P310: Immediately call a POISON CENTER or doctor/physician.

P405: Store locked up.

P410: Protect from sunlight.

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
Hydrogen Peroxide CAS No: 7722-84-1 EC No: 231-765-0	Oxidising Liq. 2; H272 Acute Tox. 4; H332 Acute Tox. 4; H302 Skin Cor. 1A; H314 Eye Dam. 1; H318 <u>Specific Concentration Limits:</u> STOT SE 3; H335; C ≥ 35 %	≥ 45 - < 55%
Acetic Acid CAS No: 64-19-7 EC No: 200-580-7	Flam. Liq. 3; H226 Skin Cor. 1A; H314	≥ 9 - < 11%

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 immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Consult a doctor/medical service.

**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. 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:**

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**5.1. Extinguishing media*****Suitable extinguishing media***

Water spray.

***Unsuitable extinguishing media***

No data available.

**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**

Avoid contact with eyes and skin. Wear full face mask, plastic boots, and plastic gloves. Avoid substance contact. Make sure there is good ventilation. Do not breathe waste. For personal protection see section 8.

**6.2. Environmental precautions**

Do not let product enter drains.

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

Stop leaks if possible. Dilute spillage with water spray as far as necessary to reduce hazard. Contain run off by any means available. Do not use plugs made from organic material like wood, to stop leaks. If substance has entered a water course or sewer, inform the

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

#### 6.4. Reference to other sections

For disposal see section 13.

## 7. Handling and storage:

### 7.1. Precautions for safe handling

Wear personal protective equipment. Avoid contact with eyes. Make sure there is good ventilation. Avoid direct contact with the substance. Do not approach sources of ignition or smoke. Keep away from sources of ignition - No smoking. For precautions see section 2.2.

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

Ensure adequate and good ventilation. The tank must be cool and dry. Smoking, eating, and drinking should be prohibited in the environment. Store the substance/preparation in its original container. Do not store together with metals. 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

Hydrogen Peroxide [CAS No: 7722-84-1]:

OSHA PEL: 1 ppm (1,4 mg/m<sup>3</sup>) TWA

NIOSH REL: 1 ppm (1,4 mg/m<sup>3</sup>) TWA

Acetic Acid [CAS No: 64-19-7]:

OSHA PEL: 10 ppm (25mg/m<sup>3</sup>) TWA

### 8.2. Exposure controls

#### Appropriate engineering controls

Wash hands before breaks and immediately after handling the product.

#### Personal protective equipment

*Eye/face protection:* Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases, or dust.

*Skin protection:* Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

*Body protection:* Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

*Respiratory protection:* Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator

selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### **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	No data available.
Odor threshold	No data available.
pH	< 2
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	No data available.
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**

Avoid contact with alkalis, amines, strong acids, metals.

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

Open flame. Overheating.

### **10.5. Incompatible materials**

Oxidizing agents, strong reducing agents.

Combustible materials; heavy metals. such as iron, copper, chromium, nickel, aluminum, and cobalt.

#### 10.6. Hazardous decomposition products

Oxygene.

### 11.Toxicological information:

#### 11.1. Information on toxicological effects

##### Acute toxicity

Hydrogen Peroxide [CAS No: 7722-84-1]:

LD50 intraperitoneal – mouse – 800 mg/kg

LD50 Oral – mouse – 2000 mg/kg

LD50 Skin – mouse – 12000 mg/kg

LD50 Oral – rabbit – 820 mg/kg

LD50 Oral – rat – 910 mg/kg

LD50 Skin – rat – 4060 mg/kg

Acetic Acid [CAS No: 64-19-7]:

LD50 Oral – rat – 3310 mg/kg

LD50 Skin – rabbit – 1060 mg/kg

##### Skin corrosion/irritation

Causes severe skin burns.

##### Serious eye damage/eye irritation

Causes severe eye damage.

##### 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

Hydrogen Peroxide [CAS No: 7722-84-1]:

LC50/96 h Pimephales promelas: 16.4 mg/L

LC50/72 h Leuciscus idus: 35 mg/L

EC50/48 h Daphnia pulex: 2.4 mg/L

EC50/24 h Daphnia magna: 7.7 mg/L

EC50/72 h Skeletonema costatum: 1.38 mg/L

Acetic Acid [CAS No: 64-19-7]:

LC50/96 h Oncorhynchus mykiss: > 300.8 mg/L

LC50/96 h Lepomis macrochirus: 75 mg/L

EC50/24 h Daphnia magna: 47 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

<b>ADR/RID Class</b>	: 5.1
<b>UN Number</b>	: 3149
<b>Packaging Group</b>	: II
<b>Proper Shipping Name</b>	: HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED
<b>Label</b>	: 5.1+8



**Tunnel Code** : E

#### IMDG

<b>IMDG Class</b>	: 5.1
<b>UN Number</b>	: 3149
<b>Packaging Group</b>	: II

**Propper Shipping Name** : HYDROGEN PEROXIDE AND PEROXYACETIC ACID MIXTURE with acid(s), water and not more than 5% peroxyacetic acid, STABILIZED

**EmS** : F-H; S-Q

### ICAO/IATA

Forbidden for transport by air.

## 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.

- H226 Flammable liquid and vapor.
- H272 May intensify fire; oxidizer.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation

### 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



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 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.