

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Hemodialysis Machine Surface Cleaner Disinfectant

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product Identifier

Trademark	: GBL® SURFACTO™ NEUTRAL
Product Name	: Hemodialysis Machine Surface Cleaner Disinfectant
REF No	: 6009

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

Surface cleaner for hemodialysis machines between treatments. Suitable for efficient cleansing of dialysis machine surfaces.

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 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:

Telephone: +90 (216) 364 15 00 or contact your local emergency telephone number

2. HAZARD IDENTIFICATION

2.1. Classification of the Substance or Mixture

2.1.1. Product definition: Mixture

2.1.2. Classification according to regulation (EC) No. 1272/2008 (GLP/GHS):

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008

2.2. Label Elements

Labeling (Regulation (EC) No 1272/2008)

The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3. Other Hazards

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance:

Not applicable

3.1. Mixture:

Chemical Name	EC No	CAS No	Concentration %	REGULATION(EC) No 1272/2008)
Alkyl dimethyl benzyl ammonium chloride	-	8001-54-5	% < 0,2	Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1B, H314 Aquatic Acute 1, H400

Benzotriazole	202-394-1	95-14-7	% < 0,2	Acute Tox. 4, H302 Acute Tox 4., H312 Eye Irrit. 2, H319 Acute Tox. 4, H332 Aquatic Chronic 3, H412
Dodecyl trimethyl ammonium bromide	214-290-3	1119-94-4	% < 0,5	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

4. FIRST AID MEASURES

4.1. Description Of First Aid Measures:

4.1.1. General Advice:

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

4.1.2. Inhalation:

Move the person to fresh air. If not breathing, consult a physician.

4.1.3. Skin contact:

Wash off with soap and plenty of water.

4.1.4. Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

4.1.5. Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.1.6. Information for doctor:

No further relevant information is available.

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:

5.1.1. Suitable Extinguishing Media:

Carbon dioxide, dry powder, and foam.

5.2. Special Hazards Arising from The Substance or Mixtures:

Carbon monoxide (CO).

5.3. Advice for firefighters:

Wear appropriate protective equipment and breathing apparatus.

5.4. Further Information:

No data available.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures:

Avoid contact with eyes. Wear a 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 the product enter drains.

6.3. Methods and Materials for Containment and Cleaning Up:

Collect spillage with non-combustible absorbent materials (sand, soil) and place them in waste containers in accordance with local/national regulations.

6.4. Reference to Other Sections:

For disposal see section 13.

7. HANDLING AND STORAGE**7.1. Precautions For Safe Handling:**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

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.

7.3. Specific end use(s)

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

8. EXPOSURE CONTROLS/PERSONEL PROTECTION**8.1. Control Parameters Occupational Exposure Limits**

No data available.

8.2. Control Parameters:

No data available.

8.3. 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**

Form	: Liquid
Odor	: No data available
Color	: Colorless
pH @ 25 °C (ca)	: 7,2 +/- 0,2
Melting point/freezing point	: Not determined.

Flash point	: Not applicable.
Evaporation rate	: Not applicable.
Upper/Lower Flammability or explosive limits	: Not applicable.
Vapor pressure	: Not determined.
Density	: No data available
Solubility(ies)	: Soluble.
Viscosity	: Not applicable.
Explosive properties	: Not applicable.
Oxidizing properties	: Not applicable.
Decomposition temperature	: Not determined.

Note: Integers (i.e. 3 or 7) should be read in as decimals (3,0 or 7,0).

10. STABILITY AND REACTIVITY

10.1. Reactivity:

Reactions with strong alkalies and oxidizing agents.

10.2. Chemical Stability:

The product is stable in conditions without the supply of air, or moisture.

10.3. Possibility of Hazardous:

Reactive with strong alkalies and oxidizing agents.

Reactions can lead to the risk of an explosion.

10.4. Conditions to Avoid:

No data available

10.5. Incompatible Materials:

Acids, phenol, metals, nitrile, cyanide salt, oxidizing materials, organic chemicals – combustible.

10.6. Hazardous Decomposition Products:

No dangerous substances are released.

11. TOXICOLOGY INFORMATION

11.1. Information On Toxicological Effects:

11.1.1. Acute Toxicity:

Substance/Mixture	Concentration %	LD50 Oral (mg/kg)	LD50 Dermal (mg/kg)	LC50 Inhalation (mg/l)
Alkyl dimethyl benzyl ammonium chloride	< 0,2	3200 (rat)	-	-
Benzotriazole	< 0,2	3730 (rat) (OECD 401)	>2000 (Rabbit)	-

11.2. Irritation/Corrosion

11.2.1. Eyes: Causes irritation

11.2.2. Skin: In general, minor or no irritation; erythema or stronger perception of irritations after contact with pre-damaged skin

11.3. Sensitizer

11.3.1. Skin: In general, minor or no irritation; erythema or stronger perception of irritations after contact with pre-damaged skin

11.3.2. Respiratory: No data available

11.4. Mutagenicity:**11.4.1. Conclusion/Summary:** No mutagenic effect.**11.5. Carcinogenicity:****11.5.1. Conclusion/Summary:** No known significant effects or critical hazards.**11.6. Reproductive toxicity:****11.6.1. Conclusion/Summary:** No known significant effects or critical hazards.**11.7. Specific target organ toxicity (single exposure):** Not available.**11.8. Specific target organ toxicity (repeated exposure):** Not available.**11.9. Aspiration Hazard:** This information is not available.**12. ECOLOGICAL INFORMATION****12.1. Toxicity****12.1.1. Dodecyltrimethylammonium bromide [CAS No 1119-94-4]:**

LC50/96h (Balık): 1269.994 mg/L

LC50/48h (Daphnid): 671.026 mg/L

EC50/96h (Green Algae): 371.178 mg/L

12.1.2. Benzotriazole [CAS No 95-14-7]:

LC50/96h (Balık): 28.321 mg/L

LC50/48h (Daphnid): 66.766 mg/L

EC50/96h (Green Algae): 5.904 mg/L

12.1.3. Benzalkonium Chloride [CAS No 8001-54-5]:

LC50/96h (Balık): 40.969 mg/L

LC50/48h (Daphnid): 25.344 mg/L

EC50/96h (Green Algae): 26.908 mg/L

12.2. Persistence and Degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility In Soil

No information available.

12.5. Result of PBT and vPvB Assessment:

No information available.

12.6. Other Adverse Effects:

No information 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	: -
UN Number	: -
Packaging Group	: -
Propper Shipping Name	: Not dangerous good.

IMDG

IMDG Class	: -
UN Number	: -
Packaging Group	: -
Propper Shipping Name	: Not dangerous good.
Environmental Hazard	: No.

ICAO/IATA

ICAO/IATA Class	: -
UN Number	: -
Packaging Group	: -
Propper Shipping Name	: Not dangerous good.

This product is not classified as a Dangerous Good by ADR/RID, IMDG, or IACO/IATA criteria. No special transport conditions are necessary unless required by other regulations.

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.

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long-lasting effects.

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
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	A 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.