

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Neutralizer for SANITAROSA GA

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

1.1. Product Identifier

Product Name	: Neutralizer for SANITAROSA GA
Trademark	: ROSA- CHEM GA
Product Ref No	: 6219

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

Neutralizer for SANITAROSA GA is used for neutralization of the disinfectants containing aldehydes.

1.3. Manufacturer:

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

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: Substance

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

Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

Label Elements

Labeling (Regulation (EC) No 1272/2008)

2.1.3. Hazard Pictograms



2.1.4. Signal word:

Danger

2.1.5. Hazard statement:

H302 Harmful if swallowed.

H318 Causes serious eye damage.

2.1.6. Precautionary statements:

P280 Wear protective gloves/ eye protection/ face protection.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard information (EU)
EUH031 Contact with acids liberates toxic gas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance:

Synonyms: Sodium disulfite
Sodium pyrosulfite
Formula: Na₂O₅S₂
Molecular Weight: 190,11 g/mol

3.2. Mixture:

Chemical Name	EC No	CAS No	Concentration %	REGULATION(EC) No 1272/2008)
Sodium metabisulphite	231-673-0	7681-57-4	<= 100 %	Acute Tox. 4; H302 Eye Dam. 1; H318 EUH031

4. FIRST AID MEASURES

4.1. Description Of First Aid Measures

4.1.1. Eye Contact: Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.

4.1.2. Inhalation: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.1.3. Skin Contact: Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.

4.1.4. Ingestion: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt, or waistband.

- 4.1.5. Protection of first aiders:** No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.
- 4.2.** Most important symptoms and effects, both acute and delayed the most important known symptoms and effects are described in the labelling (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:*

5.1.1. *Suitable Extinguishing Media:*

Dry powder

5.1.2. *Unsuitable Extinguishing Media:*

None known.

5.2. *Special Hazards Arising from The Substance or Mixtures:*

Sulphur oxides, Sodium oxides

5.3. *Advice for firefighters:*

5.3.1. *Special precautions for firefighters:* Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

5.3.2. *Special protective equipment for fire-fighters:* Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots, and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

6. ACCIDENTAL RELEASE MEASURES

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

6.1.1. *For non-emergency personnel:* No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. *For emergency responders:* If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. *Environmental precautions*

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Method and materials for containment and cleaning up

Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Vacuum or sweep up material and place in a

designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6.3. References To Other Sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

7. HANDLING AND STORAGE

7.1. Precautions For Safe Handling:

7.1.1. Protective measures:

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation, or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Spillages should be cleaned up promptly to avoid damage to surrounding materials.

7.1.2. Advice On General Occupational Hygiene:

Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities.

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool, and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Store in corrosive resistant container with a resistant inner liner. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

7.3.1. Recommendations: Not available.

7.3.2. Industrial sector specific solutions: Not available.

8. EXPOSURE CONTROLS/PERSONEL PROTECTION

8.1. Control Parameters Occupational Exposure Limits

Recommended monitoring procedures: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Chemical Name	Exposure Limits					
	TWA ⁽³⁾ (8 h.) OSHA PEL		TWA ⁽³⁾ (8 h.) NIOSH REL		STEL ⁽⁴⁾ (15 min.)	
	mg/m ³ ⁽⁵⁾	ppm ⁽⁶⁾	mg/m ³ ⁽⁵⁾	ppm ⁽⁶⁾	mg/m ³	ppm
Sodium metabisulphite	TWA 5 mg/m ³	-	-	-	-	-

8.2. Exposure Controls

Appropriate engineering controls. If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.1. Individual Protection Measures:

8.2.1.1. **Hygiene measure:** Wash hands, forearms, and face thoroughly after handling chemical product, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.1.2. **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 dusts.

8.2.1.3. **Hand Protections:** Chemical-resistant, impervious gloves complying with an approved standard should be always worn when handling chemical products if a risk assessment indicates this is necessary. Wear suitable gloves tested to EN374.

8.2.1.4. **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.

8.2.1.5. **Other 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.

8.2.1.6. **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.

8.2.1.7. **Environmental Exposure Controls:** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information On Basic Physical and Chemical Properties

Form	: powder
Odor	: pungent
Color	: colorless
pH @ 25 °C (ca)	: 4,5 at 50 g/l at 20 °C
Melting point/freezing point	: no data available
Flash point	: no data available
Evaporation rate	: no data available
Upper/Lower Flammability or explosive limits	: no data available
Vapor pressure	: no data available.
Relative Density	: 1,480 g/cm ³

<i>Bulk Density</i>	: 1.100 - 1.200 kg/m ³
<i>Water Solubility(ies)</i>	: 650 g/l at 20 °C
<i>Viscosity</i>	: no data available
<i>Explosive properties</i>	: no data available
<i>Oxidizing properties</i>	: no data available
<i>Decomposition temperature</i>	: no data available

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

no data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials

Oxidizing agents, Bases, Reducing agents, Nitrates.

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

11. TOXICOLOGY INFORMATION

11.1. Information On Toxicological Effects:

11.1.1. Acute Toxicity:

LD50 Oral - rat - 1.540 mg/kg
(OECD Test Guideline 401)

LD50 Dermal - rat - > 2.000 mg/kg

11.2. Irritation/Corrosion

no data available

11.3. Serious eye damage/eye irritation

Eyes - rabbit

Result: Risk of serious damage to eyes.

(OECD Test Guideline 405)

11.4. Mutagenicity:

no data available

11.5. Carcinogenicity:

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium sulphite)

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium metabisulphite)

3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium metabisulphite)

11.6. Reproductive toxicity:

no data available

11.7. Specific target organ toxicity (single exposure):

no data available

11.8. Specific target organ toxicity (repeated exposure):

no data available

11.9. Additional information:

RTECS: UX8225000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Symptoms of exposure may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting., chest pain, difficulty in breathing, gastrointestinal discomfort, vomiting, diarrhea, Persons with allergies and/or asthma may exhibit hypersensitivity to sulfites. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver - Irregularities - Based on Human Evidence (Sodium sulphite)

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Toxicity to fish LC50 - *Oncorhynchus mykiss* (rainbow trout) - 150 - 220 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - 89 mg/l - 24 h

Toxicity to algae IC50 - *Desmodesmus subspicatus* (green algae) - 48 mg/l - 72 h

Toxicity to bacteria - *Pseudomonas putida* - 56 mg/l - 17 h

12.2. Persistence and Degradability

no data available

12.3. Bioaccumulative potential

no data available

Mobility In Soil

no data available

12.4. Result of PBT and vPvB Assessment:

12.4.1. PBT: No

12.4.2. vPvB: No

12.5. Other Adverse Effects:

No known significant effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

13.1.1. Product:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable treatment. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

13.1.2. Packaging:

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions: This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. TRANSPORT INFORMATION

UN/ID No.	ADR ³ /RID ⁴	ADNR ⁵	IMDG ⁶	ICAO ⁷ /IATA ⁸
	-	-	-	-

PROPER SHIPPING NAME	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
CLASS	-	-	-	-
PACKING GROUP	-	-	-	-
CLASSIFICATION CODE	-	-	-	-
EmS	-	-	-	-
ENVIRONMENTAL HAZARDOUS LABEL	-	--	-	-

³ ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

⁴ RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

⁵ ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

⁶ IMDG: International Maritime Code for Dangerous Goods

⁷ ICAO: International Civil Aviation Organization

⁸ IATA: International Air Transport Association.

15. REGULATORY INFORMATION

15.1. Safety, Health and Environmental Regulations/Legislation Specific For The Substance Or Mixture

EU Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 [CLP/GHS]

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)

Regulations concerning the International Carriage of Dangerous Goods by Rail (RID)

International Maritime Dangerous Goods Code (IMDG CODE)

Technical Instructions for the Safe Transport of Dangerous Goods by Air (IATA DGR)

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste.

Regulation of the Minister of Labor and Social policy of 29 November 2002 on maximum permissible concentrations and levels of factors harmful to health in the working environment (Journal of Laws (Dz. U.) No. 217, item 1833) as amended.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives.

15.1.1. Annex XIV - List of substances subject to authorization

15.1.2. Substances of very high concern

None of the components are listed.

15.1.3. Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures, and articles.

Not applicable.

15.2. Chemical Safety Assessment

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

16. OTHER INFORMATION

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.