



Safety Data Sheet

According to Regulation (EC) No 1907/2006, Annex II,
as amended by Regulation (EU) 2020/878

Bacteriostatic Water

Product name	Bacteriostatic Water
SDS number	ADRIA-SDS-006-BACTERIOSTATIC-WATER
Version	1.0
Issue date	01 June 2026
Revision date	01 June 2026
Supersedes	New safety data sheet
Language	English

SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier	Product name: Bacteriostatic Water CAS No.: Water 7732-18-5; benzyl alcohol 100-51-6 Substance type: Aqueous laboratory preparation
1.2 Relevant identified uses	Laboratory reagent for research, analytical, educational, and R&D use only, where permitted by applicable law.
Uses advised against	Not for human or animal use. Not for use as a food, drug, cosmetic, dietary supplement, diagnostic product, therapeutic product, clinical product, or household product.
1.3 Supplier	Adria Science Telephone: +386 71 483 246 Email: info@adriascience.com
1.4 Emergency telephone	Emergency services: 112 (EU, 24 hours) Product information: +386 71 483 246 (business hours) Email: info@adriascience.com

SECTION 2: Hazards Identification

2.1 Classification	Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) based on available product information.
2.2 Label elements	See label elements below.
Hazard pictogram	Not applicable
Signal word	Not applicable
Hazard statements	Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP) based on available product information.
Precautionary statements	Observe good laboratory hygiene. Avoid unnecessary exposure. Keep container closed when not in use. Dispose of contents/container in accordance with applicable regulations.
2.3 Other hazards	No data are available to conclude that the substance/mixture meets PBT or vPvB criteria under Annex XIII of Regulation (EC) No 1907/2006. No endocrine-disrupting properties have been identified from available information.

SECTION 3: Composition/Information on Ingredients

3.1 Substances/Mixtures	Composition information is provided for the supplied product identity.				
Component	CAS No.	EC No.	Formula	Molecular weight	Concentration
Water	7732-18-5	Not assigned	H ₂ O	18.02 g/mol	>98.9%
Benzyl alcohol	100-51-6	202-859-9	C ₇ H ₈ O	108.14 g/mol	≤1.1%
Sequence / identity	Not applicable				

Physical appearance	Clear colorless sterile solution
Salt/form	Not applicable
Purity	Not applicable

SECTION 4: First Aid Measures

4.1 Description	General advice: Remove exposed person from exposure. Show this safety data sheet to medical personnel. Treat symptomatically. Inhalation: Move to fresh air. Seek medical attention if breathing difficulty, irritation, or other symptoms occur. Skin contact: Remove contaminated clothing. Wash skin with soap and plenty of water. Seek medical attention if irritation occurs. Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention if irritation persists. Ingestion: Rinse mouth. Do not induce vomiting unless instructed by medical personnel. Call a poison centre or doctor if unwell.
4.2 Symptoms/effects	No specific symptoms known under normal laboratory handling. Treat exposure symptomatically.
4.3 Immediate treatment	No specific antidote known. Provide supportive and symptomatic treatment.

SECTION 5: Firefighting Measures

5.1 Extinguishing media	Suitable media: water spray, dry chemical, carbon dioxide (CO ₂), or alcohol-resistant foam. Use extinguishing media suitable for surrounding fire. No unsuitable media known.
5.2 Special hazards	No specific product-related fire hazards known. Containers may rupture if heated.
5.3 Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Prevent contaminated fire-extinguishing water from entering drains or the environment where possible.

SECTION 6: Accidental Release Measures

6.1 Personal precautions	Avoid unnecessary exposure. Wear protective equipment as described in Section 8.
6.2 Environmental precautions	Do not allow material to enter drains, surface water, groundwater, or soil.
6.3 Cleanup methods	Absorb spill with inert material and place in a suitable closed container for disposal. Clean affected area with water.
6.4 Reference	See Sections 8 and 13.

SECTION 7: Handling and Storage

7.1 Safe handling	Handle using good laboratory practice. Avoid contact with eyes and prolonged skin contact. Do not eat, drink, or smoke while handling.
7.2 Storage	Store sealed according to label conditions. After opening follow laboratory handling SOP and local requirements.
7.3 Specific end use	Laboratory research and analytical use only.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters	No occupational exposure limit values are established for Bacteriostatic Water.
8.2 Engineering controls	Use adequate ventilation and good laboratory practice.
Eyeface protection	Wear safety glasses with side shields or chemical safety goggles.
Skin protection	Wear suitable protective gloves such as nitrile gloves. Wear a laboratory coat or protective clothing.
Respiratory protection	Not normally required with adequate ventilation. Use respiratory protection if risk assessment indicates it is necessary.
Hygiene measures	Remove contaminated clothing and protective equipment before entering eating areas. Wash hands after handling.
Environmental controls	Avoid release to the environment.

SECTION 9: Physical and Chemical Properties

Property	Value
Physical state	Clear colorless sterile solution
Color	Clear colorless
Odor	No data available
Melting point/freezing point	No data available
Boiling point	No data available
Flammability	No data available
Lower/upper explosion limit	No data available
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	Not applicable
Solubility	Used as an aqueous laboratory solvent; not a peptide
Partition coefficient n-octanol/water	No data available
Vapor pressure	No data available
Density/relative density	No data available
Relative vapor density	Not applicable
Granulometry/solid form	Not applicable
Molecular formula	H ₂ O with benzyl alcohol preservative
Molecular weight	Water 18.02 g/mol; benzyl alcohol 108.14 g/mol

SECTION 10: Stability and Reactivity

10.1 Reactivity	No specific reactivity data available.
10.2 Stability	Stable under recommended handling and storage conditions.
10.3 Hazardous reactions	No hazardous reactions known under recommended conditions.
10.4 Conditions to avoid	Excessive heat and incompatible materials.
10.5 Incompatible materials	Strong oxidizing agents.
10.6 Decomposition products	No hazardous decomposition products known under recommended conditions.

SECTION 11: Toxicological Information

11.1 CLP hazard classes	Acute toxicity: Not classified based on available product information. Skin corrosion/irritation: Not classified. Serious eye damage/irritation: Not classified. Respiratory or skin sensitisation: No data available. Germ cell mutagenicity: No data available. Carcinogenicity: No data available. Reproductive toxicity: No data available. STOT - single exposure: No data available. STOT - repeated exposure: No data available. Aspiration hazard: No data available.
Routes of exposure	Inhalation, skin contact, eye contact, ingestion.
Symptoms	No specific symptoms known under normal laboratory handling.
11.2 Other information	Endocrine-disrupting properties: no endocrine-disrupting properties identified from available information.

SECTION 12: Ecological Information

12.1 Toxicity	No aquatic toxicity data available. Avoid release to the environment.
12.2 Persistence/degradability	No data available.
12.3 Bioaccumulative potential	No data available.
12.4 Mobility in soil	No data available.
12.5 PBT/vPvB assessment	No data are available to conclude that the substance/mixture meets PBT or vPvB criteria.
12.6 Endocrine disruption	No endocrine-disrupting properties identified from available information.
12.7 Other adverse effects	No data available.

SECTION 13: Disposal Considerations

13.1 Waste treatment	Dispose of contents and container in accordance with applicable local, regional, national, and international regulations. Do not discharge into drains, surface water, groundwater, or soil. Waste classification should be determined by the waste holder based on actual material, contamination, and use.
Contaminated packaging	Dispose of as unused product unless fully cleaned and permitted by applicable regulations.

SECTION 14: Transport Information

Regulation	Classification
ADR/RID	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es)	Not applicable.
Packing group	Not applicable.
Environmental hazards	No data available; avoid environmental release.
Special precautions	Keep container sealed during transport.
Maritime transport in bulk	Not applicable.

SECTION 15: Regulatory Information

15.1 Safety regulations	This safety data sheet is prepared according to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) 2020/878. Classification and labelling are provided according to Regulation (EC) No 1272/2008 (CLP).
REACH registration	No REACH registration number is available for this product.
Use restriction	For laboratory, analytical, educational, and R&D use only where permitted by applicable law. Not for human or animal use.
15.2 Chemical safety assessment	A chemical safety assessment has not been carried out for this product.

SECTION 16: Other Information

Issue date	01 June 2026
Revision date	01 June 2026
Version	1.0
SDS number	ADRIA-SDS-006-BACTERIOSTATIC-WATER
Full text of H-statements	Not classified as hazardous according to Regulation (EC) No 1272/2008 (CLP).

Abbreviations	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. CAS: Chemical Abstracts Service. CLP: Classification, Labelling and Packaging. EC: European Community. GHS: Globally Harmonized System. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods. PBT: Persistent, Bioaccumulative and Toxic. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. SDS: Safety Data Sheet. STOT: Specific Target Organ Toxicity. vPvB: very Persistent and very Bioaccumulative.
Information statement	The information in this safety data sheet is based on the current state of knowledge and is intended to describe the product only for health, safety, and environmental handling purposes. It does not constitute a specification or guarantee of any specific product property. The recipient is responsible for ensuring safe handling and compliance with applicable laws and regulations.