

SAFETY DATA SHEET (SDS) — prepared in accordance with Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Regulation (EU) 2020/878.

⚠️ DRAFT — FOR RESEARCH USE ONLY (RUO). This is a mixture (water + benzyl alcohol 0.9%). Hazard data for the benzyl alcohol component are adapted from authoritative published SDS (EDQM / supplier SDS, CAS 100-51-6). To be validated by a competent person before issuance.

Safety Data Sheet — Bacteriostatic Water 10 ml (0.9% Benzyl Alcohol)

Revision date: 2026-06-08 · Version: 1.0 (DRAFT) · Supersedes: none

SECTION 1: Identification

1.1. Product identifier

- Product name: **Bacteriostatic Water 10 ml** (Water for injection-grade containing 0.9% w/v benzyl alcohol as bacteriostatic agent)
- Product code (SKU): PL-ACC-002
- Pack size: 10 ml vial

1.2. Relevant identified uses and uses advised against

- Identified use: **Reconstitution diluent for laboratory research preparations — Research Use Only (RUO).**
- Uses advised against: **NOT** for human or veterinary injection, **NOT** for diagnostic or therapeutic use. Not a medicinal product (Directive 2001/83/EC).

1.3. Supplier

- PeptidLabs · Registered company name & address: *[to be completed — operating legal entity]* · e-mail: info@peptidlabs.eu

1.4. Emergency telephone number

- +359 895 345 189 (*confirm 24/7 arrangement for EU placing on the market*)

SECTION 2: Hazards identification

2.1. Classification (Regulation (EC) No 1272/2008 / CLP)

- The mixture is NOT classified as hazardous.** Benzyl alcohol is present at ~0.9%, **below the generic concentration limits** that would trigger classification of the mixture (acute toxicity, eye irritation and skin sensitisation thresholds are not reached at 0.9%).

2.2. Label elements

- Pictogram / signal word / hazard statements: None required.
- Supplemental information: EUH208 — "Contains benzyl alcohol (CAS 100-51-6). May produce an allergic reaction."** (sensitiser present above the 0.1% disclosure threshold).

2.3. Other hazards

- Hazards not fully characterised beyond the benzyl alcohol content. **Research Use Only** — not for human/animal injection. Handle per good laboratory practice (GLP).

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Component	Identifier	Conc.	Classification
Water	CAS 7732-18-5	~99.1%	Not classified

Component	Identifier	Conc.	Classification
Benzyl alcohol	CAS 100-51-6 · EC 202-859-9 · Index 603-057-00-5 · C ₇ H ₈ O · MW 108.14	~0.9%	Acute Tox. 4 (H302); Acute Tox. 4 (H332); Eye Irrit. 2 (H319); Skin Sens. 1B (H317)

SECTION 4: First-aid measures

- **Inhalation:** Move to fresh air. Seek medical advice if symptoms occur.
- **Skin contact:** Wash with soap and water. Discontinue use if an allergic skin reaction occurs and seek medical advice.
- **Eye contact:** Rinse with water for several minutes; remove contact lenses if easy. If irritation persists, seek medical advice.
- **Ingestion:** Rinse mouth. Do not induce vomiting. Seek medical advice if a large amount is swallowed.

SECTION 5: Firefighting measures

- Suitable media: water spray, alcohol-resistant foam, CO₂, dry chemical. Combustion products: CO, CO₂. Wear SCBA in a fire. (Product is predominantly water — not flammable.)

SECTION 6: Accidental release measures

- Wear gloves/eye protection. Absorb spillage with inert material; collect for disposal. Avoid large releases to drains.

SECTION 7: Handling and storage

- Handling: GLP; avoid eye contact; wash hands after use.
- Storage: store at 2–8 °C (refrigerated) or per label, protected from light; keep tightly closed; do not freeze. Single-use vial — discard after use given bacteriostatic limits.

SECTION 8: Exposure controls / personal protection

- No EU OEL established at this concentration. PPE: nitrile gloves, safety glasses; normal lab ventilation adequate.

SECTION 9: Physical and chemical properties

Property	Value
Physical state	Liquid
Appearance / colour	Clear, colourless aqueous solution
Odour	Faint (benzyl alcohol)
pH	~5–7
Boiling point	~100 °C (water)
Flash point	Not applicable (aqueous, <1% organic)
Solubility	Miscible with water

SECTION 10: Stability and reactivity

- Stable under recommended storage. Avoid freezing, heat and contamination. Incompatible with strong oxidisers. No hazardous decomposition under normal use.

SECTION 11: Toxicological information

- Mixture: not classified. **Benzyl alcohol component:** Harmful if swallowed (H302), harmful if inhaled (H332), causes serious eye irritation (H319), may cause an allergic skin reaction (H317) — relevant at higher concentrations than present here.
 - At 0.9% the acute systemic hazard of the mixture is low; the main residual concern is potential skin sensitisation in susceptible individuals (hence EUH208).
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SECTION 12: Ecological information

- Not classified as environmentally hazardous. Benzyl alcohol is readily biodegradable. Avoid large uncontrolled releases. Other data: No data available for the mixture.
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SECTION 13: Disposal considerations

- Dispose in accordance with Directive 2008/98/EC and local regulation as laboratory liquid waste. Small quantities of this dilute aqueous solution may generally be managed as non-hazardous aqueous waste — confirm locally.
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SECTION 14: Transport information

Regulation	Status
UN number	None
ADR/RID · IMDG · IATA	Not classified as dangerous goods (dilute aqueous solution, <1% benzyl alcohol)

SECTION 15: Regulatory information

- **CLP:** mixture not classified; supplemental label statement **EUH208** required (contains benzyl alcohol).
 - **REACH:** components are registered/known substances; benzyl alcohol CAS 100-51-6.
 - **⚠ RESEARCH USE ONLY (RUO).** Not for human or animal injection or consumption; not a medicinal product. Bacteriostatic water is supplied solely as a laboratory reconstitution diluent for research.
 - **Data source:** benzyl alcohol hazard data adapted from authoritative published SDS (EDQM; supplier SDS, CAS 100-51-6). Verify before issuance.
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SECTION 16: Other information

Abbreviations: EUH208 — EU supplemental hazard statement for sensitisers below classification limits; GLP — Good Laboratory Practice; OEL — Occupational Exposure Limit.

Disclaimer: This SDS is a **draft** compiled to REACH Annex II structure for a research-use-only product. The mixture classification, EUH208 labelling and disposal route must be **validated by a qualified competent person** before issuance. No liability is accepted for use outside the stated Research-Use-Only scope.

Draft document provided for informational purposes based on currently available data. Strictly for laboratory and in-vitro research use only.

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