

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

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

1.1. Product identifier

Product Names: Legionella Acid Buffer
Product Options: Ready to use Acid-buffered solution for Legionella samples according to ISO 11731, Sterile Filtered
Product Code: LAB-001-500ML, LAB-001-1L
REACH No. : This product is a mixture. REACH Registration Number see section 3.

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

Identified uses: Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet

Company: Serana Europe GmbH
Dorfstrasse 17A
14641 Pessin
Germany
Phone: +49 (0)332 3785 9253
E-Mail: info@serana-europe.com

1.4. Emergency telephone number

Emergency Phone: Regular Office Hours +49 (0)332 3785 9253

SECTION 2 Hazards Identification

2.1. Classification of the substance or mixture

GHS05 corrosion



Met. Corr.1 H290 May be corrosive to metals.

Corrosive to metals, category 1

Skin corrosion, categories 1B

Serious eye damage, category 1

2.2. Label elements

CLP Regulation (EC) No 1272/2008:

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issuing Date: 10-NOV-2024

Print Date: 10-NOV-2024

The product is classified and labelled according to the GB CLP regulation.

Hazard pictograms



GHS05

Signal word: Warning

Hazard statements

H290 May be corrosive to metals.

Precautionary statements

P234 Keep only in original packaging.

P390 Absorb spillage to prevent material damage.

P406 Store in a corrosion resistant container / container with a resistant inner liner.

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.



SECTION 3 Composition/Information on Ingredients

3.1. Substances

3.2. Mixtures

Chemical characterization: buffer acid solution

Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 7647-01-0 EINECS: 231-595-7 Reg.nr.: 01-2119484862-27-XXXX	Hydrochloric acid	0.1–<1%
	 Met. Corr.1, H290; Skin Corr. 1B, H314;	
	 Eye Dam. 1, H318 STOT SE 3, H335	

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

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For the wording of the listed hazard phrases refer to section 16.

SECTION 4 First Aid Measures

4.1. Description of first aid measures

In either case, seek medical attention if the symptoms get worse or persist, showing the SDS of this product.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower

In case of eye contact

Flush eyes with water as a precaution for at least 15 minutes. Remove contact lenses.

If swallowed

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell. Never give anything by mouth to an unconscious person. Do not induce vomiting and keep the head down to avoid aspiration. Rinse mouth with water.

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.

SECTION 5 Firefighting Measures

5.1. Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment (e.g. ABC powder).

5.2. Special hazards arising from the substance or mixture

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

For the wording of the listed hazard phrases refer to section 16.

5.3. Advice for firefighters

Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases.

5.4. Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Prevent fire extinguishing water from contaminating surface water or the ground water system.

SECTION 6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas. 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

Absorb the spillage using sand or inert absorbent material. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13.

SECTION 7 Handling and Storage

7.1. Precautions for safe handling

For precautions see section 2.

7.2. Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles: Store only in the original receptacle.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep container tightly sealed.

Storage class: 12

7.3. Specific end uses

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

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

SECTION 8 Exposure Controls/Personal Protection

8.1. Control parameters

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:
CAS: 7647-01-0 Hydrochloric acid
WEL: Short-term value: 8 mg/m ³ , 5 ppm Long-term value: 2 mg/m ³ , 1 ppm (gas and aerosol mists)

· **PNECs**

Values relevant to the environment PNEC 0.176 mg/l freshwater short-term (single)

PNEC 0.018 mg/l seawater short-term (one-off)

PNEC 1.35 mg/l Wastewater treatment plant (STP) short-term (one-off)

PNEC 6.97 mg/kg freshwater sediment short-term (single)

PNEC 0.697 mg/kg marine sediment short-term (single)

PNEC 1.29 mg/kg soil short-term (single)

Additional information: The lists valid during the making were used as basis.

8.2. Exposure controls

8.2.1. Appropriate engineering controls

General industrial hygiene practice. Ensure adequate ventilation, especially in confined areas.

8.2.2. Individual protection measures

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

Body protection

Impervious clothing. Arms and legs have to be covered and appropriate footwear is obligatory. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection not required only in case of insufficient ventilation. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.2.3. Environmental expose controls

Do not let product enter drains.

SECTION 9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Form: liquid, colourless
Odour:	Characteristic
Odour threshold:	No data available.
pH:	2.0 to 2.4 at 25°C.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash point:	No data available.
Evaporation point:	No data available.
Flammability:	No data available.
Upper/ lower flammability or exposure limits:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative density:	No data available.
Solubilities:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

Explosive properties: Product does not present an explosion hazard.
Oxidising properties: No data available.

9.2. Other safety information

No further relevant information available.

SECTION 10 Stability and Reactivity

10.1. Reactivity

Substance or mixture corrosive to metals

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Violent reactions possible with: Reacts with strong oxidising agents.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Avoid alkalis and strong bases and strong acids.

10.6. Hazardous decomposition products

On fire: see chapter 5.

SECTION 11 Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

Data not available.

Serious eye damage/eye irritation

Data not available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

Data not available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Potential health effects

No data available.

Signs and Symptoms of Exposure

No data available.

Additional Information

RTECS: No data available.

SECTION 12 Ecological Information

12.1. Toxicity

No data available.

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

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6. Other adverse effects

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system

SECTION 13 Disposal Considerations

13.1. Waste treatment methods

Product

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

Observe local (country-specific) regulations and laws. This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose as used product.

SECTION 14 Transport Information

14.1. UN-number

ADR/RID: - IMDG: - IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4. Packaging group

ADR/RID: - IMDG: - IATA: -

14.5. Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6. Special precautions for user

No data available.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15 Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available.

15.2. Chemical Safety Assessment

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

SECTION 16 Other Information

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)

Version 1, Issueing Date: 10-NOV-2024

Print Date: 10-NOV-2024

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

•Relevant phrases

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage. H335 May cause respiratory irritation.

a) Revised Version:

First Version, date of issue: 10-NOV-2024

b) List of Abbreviations:

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International air transport association

IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

vPvB: very persistent and very bioaccumulative

c) References:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

d) Methods for evaluation of mixtures according to Article 9 of Regulation (EC) No 1272/2008:

No data available.

e) List of hazard and precautionary statements:

If applicable, please see section 2.

f) Training advice:

General laboratory instructions are required. No special training advised.

- END OF SAFETY DATA SHEET -