Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)
Version 4, Revision Date: 10-JUL-2023
Print Date: 10-JUL-2023

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

1.1. Product identifier

Product Name: Bovine Serum Albumin (BSA)
Product Options: New Zealand Origin, Lyophilized Fine Powder, 1kg
Product Code: RBP-002-1KG

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

The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.

2.2. Label elements

CLP Regulation (EC) No 1272/2008:
Not applicable

2.3. Other hazards

Not applicable

SECTION 3 Composition/Information on Ingredients

3.1. Substances

Chemical description: protein, organic compound
CAS No: 9048-46-8
EC No: 232-936-2
Molecular weight: 66.4 kDa

3.2. Mixtures

Not applicable

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.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

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

If swallowed

Rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in section 2 and 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

Nature of decomposition products not known.

5.3. Advice for firefighters

Wear self-contained breathing apparatus for fire-fighting if necessary.

SECTION 6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

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

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Recommended storage temperature: 2 - 8°C

7.3. Specific end uses

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

There are no occupational exposure limits for the substances contained in this product.

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.

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: powder, off-white
Odour:	odourless
Odour threshold:	No data available.
pH:	No data available.
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:	soluble in water
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.

9.2. Other safety information

No data available.

SECTION 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

Avoid strong oxidising agents.

10.6. Hazardous decomposition products

Other decomposition products: No data available.

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.

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

The chemical, physical, and toxicological properties have not been thoroughly investigated.

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
No data available.

SECTION 13 Disposal Considerations

13.1. Waste treatment methods
Product
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

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.

a) Revised Version:
Third Version, date of issue: 01-JUL-2020

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 -