

Safety Data Sheet

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

Version 2, 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: Human Serum Albumin (HSA)
Product Options: USA Origin, Lyophilized Coarse Powder, 1kg, 100g
Product Code: HSA-001-1KG, HSA-001-100G
Reach Nr: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
CAS Nr: 70024-90-7

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

Identified uses: Laboratory chemicals, Manufacture of substances.
Not for use in humans or clinical diagnosis. These products are intended for research or diagnostic manufacturing use only.

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 or a mixture according to Regulation (EC) No 1272/2008.

2.2. Label elements

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

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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.

SECTION 3 Composition/Information on Ingredients

3.1. Substances

Organic compound

Molecular weight : 66.000 g/mol

CAS-Nr. : 70024-90-7

EC-Nr. : 274-272-6

No components need to be disclosed according to the applicable regulations.

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

Take off immediately all contaminated clothing. 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. Remove contact lenses.

If swallowed

Rinse mouth with water. Consult doctor if feeling unwell.

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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).

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

5.2. Special hazards arising from the substance or mixture

Nature of decomposition products not known. Combustible. Fire may cause evolution of: nitrogen oxides, Sulfur oxides Development of hazardous combustion gases or vapours possible in the event of fire.

5.3. Advice for firefighters

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

5.4. Further information

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

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

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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. Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

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

Ingredients with workplace control parameters

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

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

Skin protection

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

Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Recommended Filter type: Filter type P1

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

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:	No data available.
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.

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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.
Water Solubility:	50 g/l - soluble
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**

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

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

No data available

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10.6. Hazardous decomposition products

In the event of fire: see section 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 ingredient 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.

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Potential health effects

No data available.

Signs and Symptoms of Exposure

To the best of our knowledge, 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

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.

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.

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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.

14.8. Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15 Regulatory Information

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

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

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National legislation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable

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:

First Version, date of issue: 01-JUL-2022

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 -