

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

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

Product Identifiers

Product name: Human Serum

Catalogue No: HUM-3B

REACH No. 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.

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified uses: Laboratory chemicals, Manufacture of substances. This material is intended for research or manufacturing use only. Not for use in humans or clinical diagnosis.

Details of the Supplier of the Safety Data Sheet

Company: Capricorn Scientific GmbH

Auf der Lette 13 A

35085 Ebsdorfergrund

Germany

Phone: +49 6424 94464 0

E-Mail: info@capricorn-scientific.com

Emergency Telephone Number

Emergency Phone: During Office Time: +49 6424 94464 0.

Section 2 Hazards Identifications

Classification of the substance or mixture

The product is classified and labelled in accordance with Directive 1999/45/EC.

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Other hazards

Although classed as non-hazardous this material is derived from a human source and thus is a potential biohazard. Because no known test offers complete assurance that infectious agents are absent, all materials derived from human blood should be handled as if capable of transmitting infection.

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Section 3 Composition/Information on Ingredients

Substances

| | |
|-----------------|-------------|
| Component name: | Human Serum |
| % | >99% |
| CAS No.: | None |

The product contains no substances which at their given concentration, are considered to be hazardous to health. Although the serum used to manufacture this product has been tested and shown to be negative for certain infectious agents, no test is 100% accurate. All materials derived from blood should be handled as if capable of transmitting infection.

Section 4 First Aid Measures

Description of first aid measures

| | |
|--------------------------------|--|
| If inhaled | If breathed in, move person into fresh air. If not breathing, give artificial respiration. |
| In case of skin contact | Wash thoroughly with warm water and antibacterial soap. Flush with water. |
| In case of eye contact | Rinse thoroughly with plenty of water, also under the eyelids. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. In case of consumption in large quantities, it is recommended to seek medical assistance. |

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

Non-applicable.

Section 5 Firefighting Measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Due to its non-flammable nature, the product does not present a fire risk under normal conditions of storage, manipulation and use.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit for firefighting if necessary.

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Further information

No data available

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Collect spill with absorbent disposable towels. Rinse area with disinfectant cleaner.

Reference to other sections

For disposal see section 13.

Section 7 Handling and Storage

Precautions for safe handling

Avoid inhalation. Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities

Keep in properly labelled, tightly closed containers; Store at $\leq -15^{\circ}\text{C}$.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

Section 8 Exposure Controls/Personal Protection

Control parameters

Ensure adequate ventilation, especially in confined areas. There are no occupational exposure limits for the substances contained in the product.

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

General considerations Handle in accordance with good industrial hygiene and safety practice. Lightweight protective clothing.

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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Control of environmental exposure

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container.

Section 9 Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---------------------------------|---------------------------|
| Appearance | Form: clear amber liquid. |
| Odor | No data available. |
| pH | No data available. |
| Melting/freezing point | No data available. |
| Initial boiling point and range | No data available. |

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

| | |
|---|--------------------|
| Flash point | Non Flammable. |
| Evaporation rate | No data available. |
| Flammability (solid, gas) | No data available. |
| Upper/lower flammability or exposure limits | No data available. |
| Vapor pressure | No data available. |
| Vapor density | No data available. |
| Relative density | No data available. |
| Water solubility | 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. |
| Oxidizing properties | No data available. |

Other safety information

No data available

Section 10 Stability and Reactivity

Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions.

Chemical stability

Stable for 5 years under recommended storage conditions.

Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

Conditions to avoid

No data available.

Incompatible materials

No data available

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Hazardous decomposition products

Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds

Section 11

Toxicological Information

Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

No data available.

Serious eye damage/eye irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

Additional Information

No information available.

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Section 12 Ecological Information

Toxicity

No data available.

Persistence and degradability

Inherently biodegradable.

Bioaccumulative potential

No

Mobility in soil

No data available.

Results of PBT and vPvB assessment

Non applicable.

Other adverse effects

Not described.

Section 13 Disposal Considerations

Waste treatment methods

Consult the authorized waste service manager on the assessment and disposal operations. As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain.

Section 14 Transport Information

UN-number

ADR/RID: -

IMDG: -

IATA: -

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

Safety Data Sheet

Human Serum

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

Date of Compilation 09.01.2019

Revision Date 11.01.2024

Version 002/01.2024

Replaces Version of 14.09.2021 (Version 001/09.2021)

Packaging group

ADR/RID: - IMDG: - IATA: -

Environmental hazards

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

Special precautions for user

No data available.

Section 15 Regulatory Information

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.

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.