

# Safety Data Sheet

Fetal Bovine Serum

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

Date of compilation 04.10.2017

Revision Date 28.08.2023

Version 006/08.2023

Replaces version of 19.07.2023 (Version 005/07.2023)

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

### Product Identifiers

Product name: Fetal Bovine Serum  
 Catalogue No: FBS-12A (500 ml), FBS-12B (100 ml), FBS-12F (50ml), 10-FBS-12F (10 x 50ml)  
 Fetal Bovine Serum Collected in South America;  
 FBS-HI-12A (500 ml), FBS-HI-12B (100 ml) Fetal Bovine Serum Heat Inactivated, Collected in South America;  
 FBS-22A (500 ml), FBS-22B (100 ml) Fetal Bovine Serum Origin USA;  
 FBS-HI-22A (500 ml), FBS-HI-22B (100 ml) Fetal Bovine Serum Heat Inactivated, Origin USA;  
 FBS-52A (500 ml), FBS-52B (100 ml) Fetal Bovine Serum Origin Australia;  
 FBS-11A (500 ml), FBS-11B (100 ml), FBS-11F (50ml), 10-FBS-11F (10 x 50ml) Fetal Bovine Serum Advanced, Collected in South America;  
 FBS-HI-11A (500 ml), FBS-HI-11B (100 ml) Fetal Bovine Serum Advanced, Heat Inactivated, Collected in South America;  
 FBS-24A (500 ml), FBS-24B (100 ml) Fetal Bovine Serum Bioprocess, Origin USA  
 FBS-GI-24A (500 ml), FBS-GI-24B (100 ml) Fetal Bovine Serum Bioprocess, Gamma Irradiated, Origin USA  
 FBS-ES-32A (500 ml), FBS-ES-32B (100 ml) Fetal Bovine Serum ES Cell Pretested, Collected in South America;  
 FBS-TET-12A (500 ml), FBS-TET-12B (100 ml) Fetal Bovine Serum Tetracycline Negative, Collected in South America;  
 FBS-GI-12A (500 ml), FBS-GI-12B (100 ml) Fetal Bovine Serum Gamma Irradiated, Collected in South America;  
 FBS-CS-12A (500 ml), FBS-CS-12B (100 ml) Fetal Bovine Serum Charcoal Stripped, Collected in South America;  
 FBS-IG-12A (500 ml), FBS-IG-12B (100 ml) Fetal Bovine Serum IgG Stripped, Collected in South America;  
 FBS-ED-12A (500ml), FBS-ED-12B (100 ml), FBS-ED- 12F (50 ml), FBS-ED-12G (20 ml) Fetal Bovine Serum Exosome Depleted, Collected in South America;  
 FBS-DIA-12A (500 ml), FBS-DIA-12B (100ml) Fetal Bovine Serum, Collected in South America, Dialysed;  
 FBS-DL-12A (500 ml), FBS-DL-12B (100ml) Fetal Bovine Serum, Collected in South America, Delipidated;  
 FBS-LE-12A (500 ml), FBS-LE-12B (100 ml) Fetal Bovine Serum Low Endotoxin, Collected in South America.

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.

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

Identified uses: For research use only. Not intended for human or animal diagnostic or therapeutic uses.

### 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](mailto:info@capricorn-scientific.com)

### Emergency Telephone Number

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

## Section 2 Hazards Identifications

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### Classification of the substance or mixture

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

### Label elements

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

### 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

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### Substances

Synonyms: FBS

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

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### Section 4 First Aid Measures

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#### 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 off with soap and plenty of water. In case of modifications on the skin, seek medical advice with this safety data sheet.

**In case of eye contact** Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses.

**If swallowed** Never give anything by mouth to an unconscious person. Rinse mouth with water. If feeling unwell consult medical advice.

#### Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Indication of any immediate medical attention and special treatment needed

No data available.

### Section 5 Firefighting Measures

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#### Extinguishing media

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### Unsuitable extinguishing media

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

#### Special hazards arising from the substance or mixture

Nature of decomposition products not known.

#### Advice for firefighters

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

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### Further information

The product itself does not burn.

## Section 6 Accidental Release Measures

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### Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

### Environmental precautions

Do not let product enter drains.

### Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

## Section 7 Handling and Storage

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### Precautions for safe handling

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

### Conditions for safe storage, including any incompatibilities

Store in 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:  $\leq -15^{\circ}\text{C}$ .

### Specific end use(s)

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

## Section 8 Exposure Controls/Personal Protection

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### Control parameters

Components with workplace control parameters.

### Exposure controls

### Appropriate engineering controls

General industrial hygiene practice.

### Personal protective equipment

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### Eye/face protection

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

### 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. 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. 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).

### Control of environmental exposure

Do not let product enter drains.

## Section 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance	Form: dark amber liquid.
Odor	No data available.
pH	No data available.
Melting/freezing point	No data available.
Initial boiling point and range	No data available.
Flash point	No data available.
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	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.

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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

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### Reactivity

No data available.

### Chemical stability

The product is chemically stable under recommended conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

No data available.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

No data available.

## Section 11 Toxicological Information

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### Information on toxicological effects

#### Acute toxicity

No data available.

#### Skin corrosion/irritation

No data available.

#### Serious eye damage/eye irritation

No data available.

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### 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

No data available.

### Specific target organ toxicity – repeated exposure

No data available.

### Aspiration hazard

No data available.

### Additional Information

No information available.

## Section 12

## Ecological Information

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### Toxicity

No data available.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available.

### Mobility in soil

No data available.

### Results of PBT and vPvB assessment

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

### Other adverse effects

Not described.

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### Section 13 Disposal Considerations

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#### Waste treatment methods

##### Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

##### Contaminated packaging

Dispose of as unused product.

### Section 14 Transport Information

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#### 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: -

#### Packaging group

ADR/RID: -                      IMDG: -                      IATA: -

#### Environmental hazards

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

#### Special precautions for user

No data available.

#### Further information

Not classified as dangerous in the meaning of transport regulations.



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### Section 15 Regulatory Information

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#### **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

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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.