

# Safety Data Sheet

## Fetal Bovine Serum

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

Revision Date: 16.04.2020

Version: 000/04.2020

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

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#### Product identifiers

Product name: Fetal Bovine Serum

Cat. No.: Fetal Bovine Serum Collected in South America; FBS-12A (500 ml), FBS-12B (100 ml)  
Fetal Bovine Serum Heat Inactivated, Collected in South America; FBS-HI-12A (500 ml), FBS-HI-12B (100 ml)  
Fetal Bovine Serum Origin USA; FBS-22A (500 ml), FBS-22B (100 ml)  
Fetal Bovine Serum Heat Inactivated, Origin USA; FBS-HI-22A (500 ml), FBS-HI-22B (100 ml)  
Fetal Bovine Serum Origin Australia; FBS-52A (500 ml), FBS-52B (100 ml)  
Fetal Bovine Serum Advanced, Collected in South America; FBS-11A (500 ml), FBS-11B (100 ml)  
Fetal Bovine Serum Advanced, Heat Inactivated, Collected in South America; FBS-HI-11A (500 ml), FBS-HI-11B (100 ml)  
Fetal Bovine Serum ES Cell Pretested, Origin USDA Approved; FBS-ES-32A (500 ml), FBS-ES-32B (100 ml)  
Fetal Bovine Serum Tetracycline Negative, Collected in South America; FBS-TET-12A (500 ml), FBS-TET-12B (100 ml)  
Fetal Bovine Serum Gamma Irradiated, Collected in South America, FBS-GI-12A (500 ml), FBS-GI-12B (100 ml)  
Fetal Bovine Serum Charcoal Stripped, Collected in South America, FBS-CS-12A (500 ml), FBS-CS-12B (100 ml)  
Fetal Bovine Serum IgG Stripped, Collected in South America, FBS-IG-12A (500 ml), FBS-IG-12B (100 ml)  
Fetal Bovine Serum Exosome Depleted, 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, Collected in South America, Dialysed, FBS-DIA-12A (500 ml), FBS-DIA-12B (100ml)

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 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 9446420  
E-Mail: info@capricorn-scientific.com

#### Emergency telephone number

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

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### SECTION 2 Hazards Identification

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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.

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### 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.

## SECTION 4 First Aid Measures

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<b>Inhalation</b>	Move person into fresh air. If not breathing, give artificial respiration.
<b>Skin contact</b>	Wash off with soap and plenty of water.
<b>Eye contact</b>	Flush eyes with water as a precaution, also under the eyelid
<b>Ingestion</b>	Rinse mouth with water. Never give anything by mouth to an unconscious person. Call a physician

### 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.

## 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.

### Special hazards arising from the substance or mixture

Nature of decomposition products not known.

### Advice for firefighters

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

### Further information

The product itself does not burn.

## SECTION 6 Accidental Release Measures

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<b>Personal precautions:</b>	<b>Use personal protective equipment.</b> Avoid breathing vapors, mist or gas..
<b>Environmental precautions</b>	Do not let product enter drains.
<b>Methods and materials for containment and cleaning up</b>	Keep in suitable, closed containers for disposal.

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### SECTION 7 Handling and Storage

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#### Handling

Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Preventive measures for fire protection

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

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### SECTION 8 Exposure Controls/Personal Protection

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#### Technical measures to limit exposure:

Ensure adequate ventilation, especially in confined areas.

#### 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.

**Body protection** Lightweight protective clothing.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection** Impervious chemical-resistant gloves according to specifications of EU Directive 89/686/EEC and the standard EN374.

**Eye protection** Safety glasses with side-shields tested and approved under appropriate government standards such as EN (166) or NIOSH (US).

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### SECTION 9 Physical and Chemical Properties

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#### Information on basic physical and chemical properties

Appearance:	Form: liquid
	Colour: dark amber
Odor:	No data available.
pH:	No data available.
Water solubility:	No data available.

#### Other safety information

No data available

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### SECTION 10 Stability and Reactivity

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<b>Stability</b>	Stable under recommended storage conditions.
<b>Materials to avoid</b>	Strong oxidizing agents.
<b>Hazardous decomposition</b>	No information available.
<b>Dangerous reactions:</b>	No information available.
<b>Polymerisation</b>	Hazardous polymerisation does not occur.

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#### 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.

**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**

No data available.

**Specific target organ toxicity – repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Additional Information**

RTECS: No data available.

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

#### SECTION 12 Ecological Information

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**In general:**

Prevent product from entering drains. No bioaccumulation.

#### SECTION 13 Disposal Considerations

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Dispose of in accordance with local regulations

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#### 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.

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#### SECTION 15 Regulatory Information

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

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#### 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.