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

1.1 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-12B (100 ml), FBS-ED-12F (50 ml), FBS-ED-12G (20 ml)

1.1.1 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Laboratory chemicals, Manufacture of substances

1.2 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

1.3 Emergency telephone number

Emergency Phone: During Office Time +49 6424 9446420.
Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH)
Revision Date: 13.09.2018
Print Date: 15.10.2018

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
This substance is not classified as dangerous according to Directive 67/548/EEC.

2.2 Label elements
The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards
None.

SECTION 3 Composition/Information on Ingredients

3.1 Substances
Chemical characterization: Product does not burn
Synonyms: FBS
No components need to be disclosed according to the applicable regulations.

SECTION 4 First Aid Measures

4.2 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 eye contact
Flush eyes with water as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.3 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.

4.4 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.
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.

5.4 Further information
The product itself does not burn.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Avoid breathing vapors, mist or gas. 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
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 2.2.

7.2 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: ≤-15°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
Components with workplace control parameters

8.2 Exposure controls
Appropriate engineering controls
General industrial hygiene practice.

Personal protective equipment
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. 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

9.1. 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.

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
Strong oxidizing 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
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.

Potential health effects

Inhalation  May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion   May be harmful if swallowed.
Skin       May be harmful if absorbed through skin. May cause skin irritation.
Eyes       May cause eye irritation.
Safety Data Sheet

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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
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 of as unused 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: -  IMGD: -  IATA: -  

14.4. Packaging group  
ADR/RID: -  IMGD: -  IATA: -  

14.5. Environmental hazards  
ADR/RID: no  IMGD Marine pollutant: no  IATA: no  

14.6. Special precautions for user  
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.