The Safety Data Sheet (SDS) provided is compliant to the current European legislation following the requirements of REACH Regulation 1907/2006 and CLP Regulation 1272/2008.

1. DESCRIPTION

Product Name: Foetal Bovine Serum
Product code: S-001
Description: Foetal Bovine Serum filtered to 0.1 micron

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.

Although classed as non-hazardous contains animal source material. Handle as though capable of transmitting infectious agents. This material has been viral tested and should be handled at Biohazard Safety Level 2.

2.2 Label elements

Not applicable.

2.3 Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	Foetal Bovine Serum
CAS-No.	None
Weight %	>99%

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.

4. FIRST AID MEASURES

4.1 Description of first aid measures

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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. Call medical assistance immediately.

If irritation occurs: Consult a health care provider.

4.2 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.

4.3 Indication of any immediate medical attention and special treatment needed.
No information available.

5. FIRE-FIGHTING MEASURES

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

5.2 Special hazards arising from the substance or mixture.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information
The product itself does not burn.

6. ACCIDENTAL RELEASE MEASURES

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

6.2 Environmental precautions

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Contain the spill immediately and decontaminate using a string solution of sodium hypochlorite (bleach). Volume of bleach should be not less than 10% of the spill volume. Allow at least 10 minutes for neutralisation. Absorb spill using suitable absorbent materials. Dispose as clinical waste.

6.3 Methods and materials for contamination and cleaning up

Dispose as clinical waste.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities

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: -20 °C.

7.3 Specific end uses

No information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Safety shower and eye bath. Mechanical exhaust required. No respiratory protection will be needed under normal Good Laboratory Practices operating conditions. Use supplied-air respiratory equipment as required by local regulation. Compatible chemical resistant gloves should be the minimum hand protection. Chemical safety goggles/glasses should be the minimum eye protection. Wash hands and other exposed areas thoroughly with mild soap and water before eating, drinking and when leaving the laboratory. Wash contaminated clothing before use.

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8.2.1 Appropriate engineering controls

General industrial hygiene practice.

8.2.2 Personal protective equipment

a) Eye/face protection:

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

b) 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.

c) 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.

d) 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).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state is amber coloured liquid

10. STABILITY AND REACTIVITY

10.1 Reactivity

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No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

No information available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Acute toxicity

No information available.

11.1.2 Skin corrosion/irritation

No information available.

11.1.2 Serious eye damage/eye irritation

No information available.

11.1.4 Respiratory or skin sensitisation

No information available.

11.1.5 Germ cell mutagenicity

No information available.

11.1.6 Carcinogenicity

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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.

11.1.7 Reproductive toxicity

No information available.

11.1.8 Specific target organ toxicity – single exposure

No information available.

11.1.9 Specific target organ toxicity – repeated exposure

No information available.

11.1.10 Aspiration hazard

No information available.

11.1.11 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.

11.1.12 Signs and symptoms of exposure

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

11.1.13 Additional Information

No information available.

12 ECOLOGICAL INFORMATION

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

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12.3 Bioaccumulative potential
No information available.

12.4 Mobility in soil
No information available.

12.5 Results of PBT and vPvB assessment
No information available.

12.6 Other adverse effects
No information available.

13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Observe all local and government environmental regulations

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

b) Contaminated packaging
Dispose of as unused product.

14 TRANSPORT INFORMATION

IATA AIR TRANSPORTATION
Proper shipping name: Biological substance, Category B
Hazard Class: Class 6.2

14.1 UN number
UN3373

14.2 UN proper shipping name
Biological substance, Category B

ADR/RID:	Not dangerous goods.
IMDG:	Not dangerous goods.
IATA:	Not dangerous goods.

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14.3 Transport hazard class(es)

Hazard Class: Class 6.2

14.4 Packaging group

No information available.

14.5 Environmental hazards

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

14.6 Special precautions for user

No information available.

14.7 Harmonised tariff code:

3002 1098

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.
OSHA Process Safety Standard: This material is not known to be hazardous under the OSHA Highly Hazardous Process Safety Standard 29CFR 1910.119

15.2 Chemical Safety Assessment

No information available.

16 OTHER INFORMATION

Warranty

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.

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DISCLAIMER

For Research use only. Not for drug, household or other uses.

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