

Foetal Bovine Serum

According to REACH Regulation 1907/2006 and CLP Regulation 1272/2008.

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name Foetal Bovine Serum
 Product code S-001#
 CAS No. Not applicable.
 EC No. Not applicable.
 REACH Registration No. Not known.

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

Identified Use(s) Foetal Bovine Serum, filtered to 0.1 micron.
 For Research Use **Only**.
 Uses Advised Against Not for drug, household or other uses.

1.3 Details of the supplier of the safety data sheet

Manufacturer
 Company Identification Life Science Group Ltd
 Address of Manufacturer Unit 14, Crowhill Farm,
 Wilden
 Bedfordshire
 MK44 2QE
 Postal code
 Telephone: +44 (0) 1234 889180
 Fax Not known.
 E-mail sales@lifesciencegroup.co.uk
 Office hours 08:00 - 18:00
 Supplier

Company Identification Life Science Group Ltd
 Address of Supplier Unit 14, Crowhill Farm,
 Wilden
 Bedfordshire
 MK44 2QE
 Postal code
 Telephone: +44 (0) 1234 889180
 Fax Not known.
 E-mail sales@lifesciencegroup.co.uk
 Office hours 08:00 - 18:00

1.4 Emergency telephone number

Emergency Phone No. +44 (0) 1234 889180
 Contact Jenny Murray

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.

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

Product Name Foetal Bovine Serum
 Hazard Pictogram(s) None.
 Signal Word(s) None.
 Hazard Statement(s) None.
 Precautionary Statement(s) None.

2.3 Other hazards

None known.

2.4 Additional Information

None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Foetal Bovine Serum	n/a	n/a	>99	n/a	n/a

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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.

3.2 Mixtures

Not applicable.

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin Contact	Wash skin with soap and plenty of water.
Eye Contact	Flush eyes with water as a precaution for at least 15 minutes.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water. Call medical assistance immediately.

4.2 Most important symptoms and effects, both acute and delayed

None anticipated. Treat symptomatically.
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.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

None anticipated.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Avoid breathing vapours, mist or gas. Wear suitable gloves if prolonged skin contact is likely.

6.2 Environmental precautions

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.

6.3 Methods and material for containment and cleaning up

Dispose as clinical waste.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Not known.

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.

Storage temperature

-20°C.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

No information available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits	Contains no substances with occupational exposure limit values.
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8.2 Exposure controls

8.2.1. Appropriate engineering controls General industrial hygiene practice.

8.2.2. Personal protection equipment



Eye 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.



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).



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid.
	Colour : Amber
Odour	Not known.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

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.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	No information available.
Acute toxicity - Skin Contact	No information available.
Acute toxicity - Inhalation	No information available.
Skin corrosion/irritation	No information available.
Serious eye damage/irritation	No information available.
Skin sensitization data	No information available.
Respiratory sensitization data	No information available.
Germ cell mutagenicity	No information available.
Carcinogenicity	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 information available.
Lactation	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

11.2 Other information

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

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	No information available.
Toxicity - Fish	No information available.
Toxicity - Algae	No information available.
Toxicity - Sediment Compartment	No information available.
Toxicity - Terrestrial Compartment	No information available.

12.2 Persistence and degradability

No information available.

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.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Observe all local and government environmental regulations.

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.
Packaging: Dispose of as unused product.

13.2 Additional Information

No information available.

SECTION 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.

14.3 Transport hazard class(es)

Hazard Class: Class 6.2

14.4 Packing group

No information available

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14.5 Environmental hazards

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

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Harmonised tariff code: 3002 1098

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed
 of Very High Concern for Authorisation

UK REACH Authorisation List (Annex XIV) list of substances subject to authorisation Not listed

UK REACH Restrictions List (Annex XIV) Calcium chloride (CaCl₂), dihydrate (10035-04-8)
 Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

The Persistent Organic Pollutants Regulations 2007 (SI 2007/3106) as amended Not listed

The Ozone-Depleting Substances and Fluorinated Greenhouse Gases (Amendment etc.) (EU Exit) Regulations 2019 (SI 2019/583) Not listed

The Prior Informed Consent (PIC) Regulations concerning the export and import of hazardous chemicals SI2008/2108 as amended Not listed

European Regulations - Authorisations and/or Restrictions On Use
 Community Rolling Action Plan (CoRAP) Not listed

15.2 Chemical Safety Assessment

United Kingdom A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

LEGEND

Hazard Pictogram(s) None.

Hazard classification None.

Hazard Statement(s) None.

Precautionary Statement(s) None.

Acronyms

ATE : Acute Toxicity Estimate
 CAS : Chemical Abstracts Service
 DNEL : Derived No Effect Level
 EC : European Community
 EINECS : European Inventory of Existing Commercial Chemical Substances
 LTEL : Long term exposure limit
 PBT : Persistent, Bioaccumulative and Toxic
 PNEC : Predicted No Effect Concentration
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
 STEL : Short term exposure limit
 STOT : Specific Target Organ Toxicity
 vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

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