

MATERIAL SAFETY DATA SHEET

Bovine Serum Albumin solution

1. Product and Company Information

Product code + name: 451 22% Bovine Serum Albumin solution
452 30% Bovine Serum Albumin solution

Product description: A solution containing bovine serum albumin and buffer salts

Supplier/Manufacturer: Lorne Laboratories Ltd

Address: Unit 1 Danehill
Cutbush Park Industrial Estate
Lower Earley
Berkshire RG6 4UT
United Kingdom

Phone number: +44(0) 0118 921 2264

Fax number: +44(0) 0118 986 4518

e-mail address: Info@lornelabs.com

Web-site address: www.lornelabs.com

2. Composition/Information on the components

Component name	Concentration	R phrases	Classification
Sodium azide	0.1%	R28, R32, R50/53	Poisonous

3. Hazard Identification

Main Hazards: Under normal circumstances and use, these products are unlikely to cause any health hazard.

4. First Aid measures

Eye Contact: May cause irritation. Irrigate thoroughly with water. If discomfort persists obtain medical attention.

Skin Contact: May cause slight irritation. Wash affected area thoroughly with water. Avoid contact with skin abrasions or open wounds.

Ingestion: No known complications of accidental ingestion of small quantities. Wash out mouth thoroughly with water, and give plenty of water to drink.

Inhalation: Respiratory protection not required.

5. Fire Fighting measures

Extinguishing Media: Not flammable. Use media to suit the surroundings.

Unsuitable Extinguishing Media: Not applicable. Subject to surroundings.

Special hazards of product: Thermal decomposition or burning may release toxic vapours.

Protective fire fighting equipment: None required.

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6. Accidental release measures

Personal Precautions Spillage: Wear rubber gloves and protective clothing.
Spillages: Contain liquid with paper towels, which should subsequently be incinerated. Disinfect site of spillage.
Environmental precautions: Try to prevent the material from entering drains or water courses.

7. Handling and Storage

Handling: Wear rubber gloves and protective clothing.
Storage: Storage temperature should be controlled to between 2 and 8°C. Store in the original container securely closed. Keep away from foodstuffs.

8. Exposure Controls / Personal Protection

Respiratory Protection: Not required.
Hand Protection: Wear suitable gloves, e.g. latex or plastic gloves.
Eye Protection: Not required.

9. Physical and Chemical properties

Physical State: Slightly viscous liquid
Colour: Dark brown-red coloured
pH: Approximately 7.0
Flash Point (°C): Not applicable.
Solubility in water (kg/m³): Not applicable.
Vapour Pressure (kPa): Not applicable.
Density (kg/m³): 1009
Viscosity: Not applicable.
Decomposition Temperature (°C): Not applicable.

10. Stability and Reactivity

Stability: Stable for 24 months after the date of production when stored at between 2 and 8°C.
Materials to avoid: Strong acids
Hazardous decomposition products: Heating may produce irritating fumes.

11. Toxicological Information

Acute Toxicity: Under normal circumstances and use, these products are unlikely to be acutely toxic.
Skin sensitisation: Under normal circumstances and use, these products are unlikely to sensitise skin.

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12. Ecological Information

Mobility: The product is freely miscible with water.
Persistence/Degradability: Some of the ingredients are expected to be resistant to biodegradation.
Bio-accumulation: Not very likely.

13. Disposal

Product Disposal: This material will be classified as 'biological waste' under the COPA (Special Waste) Regulations 1980 and must be disposed of in accordance with those regulations.
Container Disposal: Empty containers may contain hazardous residues. Containers shall be disposed of by incineration as soon as possible.

14. Transport information

UN Number: None assigned.
UN Proper Shipping Name: Not applicable.
ADR/RID – Class: Non Hazardous
IMDG – Packaging Group: Not applicable.
IMDG – Class: Non Hazardous
IATA Packaging Group: Not applicable.
IATA – Class: Non Hazardous

15. Labelling Information

R phrases: None
S phrases: None

16. Other Information

MSDS first issued: 23 August 2001
MSDS data revised: 01 March 2012
Uses and restrictions: Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customers' responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken. The use of the reagent and the interpretation of results must be carried out by properly trained and qualified personnel in accordance with the requirements of the country where the reagent is in use.
UK Legislation: Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.
SI 1988/1657: The Control of Substances Hazardous to Health Regulation