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**

<table>
<thead>
<tr>
<th>Component name</th>
<th>Concentration</th>
<th>R phrases</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium azide</td>
<td>0.1%</td>
<td>R28, R32, R50/53</td>
<td>Poisonous</td>
</tr>
</tbody>
</table>

3. **Hazard Indentification**

**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.
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 sensitisise skin.
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 1988/1657: The Control of Substances Hazardous to Health Regulation