# Safety Data Sheet

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Identification of the substance or mixture

**Product code** 23209
**Product name** Albumin Standard, 10 X 1 mL

### Company/undertaking identification

Life Technologies Corporation
5781 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

Thermo Fisher Scientific
Pierce Biotechnology
P.O. Box 117
Rockford, IL 61105
United States
1.815.968.0747 or
1.800.874.3723

**24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC**
Within the USA + Canada: 1-800-424-9300 and +1 703-527-3887
Outside the USA + Canada: +1 703-741-5970

**Country Specific Emergency Number (if available):**
CHEMTREC Brazil (Rio De Janeiro) +(55)-2139581449 (português)

**Use as laboratory reagent**
**Scientific research and development**

## SECTION 2: Hazards identification

### GHS - Classification

**Signal Word**
None

**Hazard pictograms**

None

**Health hazards**
Not classified

**Physical hazards**

Not classified

**Environmental hazards**
Not Hazardous

**Hazard Statements**
Not Applicable

**Precautionary Statements**

**Prevention**
Not Applicable

**Response**
Not Applicable

**Storage**
Not Applicable

**Disposal**
Not Applicable

**Other hazards**
Not Applicable

**HMIS**

| | |
|---|---|
| Health | 0 |
| Flammability | 0 |
| Reactivity | 0 |

## SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## SECTION 4: First aid measures

**Description of first aid measures**

| | |
|---|---|
| **Skin contact** | Rinse with plenty of water . Immediate medical attention is not required. |
| **Eye contact** | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. |
| **Ingestion** | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| **Inhalation** | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary. |
| **Notes to Physician** | Treat symptomatically. |

**Most important symptoms and effects, both acute and delayed**
Not Applicable

**Indication of any immediate medical attention and special treatment needed**
None.

## SECTION 5: Firefighting measures

**Extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media** | Water spray. Carbon dioxide (CO2). Foam. Dry chemical. |
| **Unsuitable extinguishing media** | No information available. |

**Special hazards arising from the substance or mixture**
Not known.

**Advice for fire-fighters**
Standard procedure for chemical fires.

## SECTION 6: Accidental release measures

**Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Always wear recommended Personal Protective Equipment.
Use personal protection equipment
See Section 8 for more detail.

**Environmental precautions**
No special environmental precautions required.

**Methods and material for containment and cleaning up**
Soak up with inert absorbent material.

**Reference to other sections**
See section 8 for more information.

## SECTION 7: Handling and storage

**Precautions for safe handling**
Use personal protective equipment as required. No special handling advices are necessary.

**Conditions for safe storage, including any incompatibilities**
Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

**Specific end use(s)**
Use as laboratory reagent. Scientific research and development.

## SECTION 8: Exposure controls/personal protection

**Control parameters**

| | |
|---|---|
| **Exposure Limits** | Contains no substances with occupational exposure limit values. |
| **Engineering measures** | Ensure adequate ventilation, especially in confined areas. |

**Exposure controls**

**Personal Protective Equipment**

| | |
|---|---|
| **Respiratory protection** | In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards. |
| **Hand protection** | Wear suitable gloves. Glove material: Compatible chemical-resistant gloves. |
| **Eye protection** | Tight sealing safety goggles. |
| **Skin and Body Protection** | Wear suitable protective clothing. |
| **Hygiene measures** | Handle in accordance with good industrial hygiene and safety practice |

**Environmental exposure controls**
No special environmental precautions required.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

| | | |
|---|---|---|
| **Appearance** | liquid | |
| **Color** | Colourless light yellow | |
| **Odor** | odorless | |
| **Melting point / melting range** | **°C** Mixture has not been tested | **°F** Mixture has not been tested |
| **Boiling point / boiling range** | **°C** Mixture has not been tested | **°F** Mixture has not been tested |
| **Flash point** | **°C** Mixture has not been tested | **°F** Mixture has not been tested |
| **Autoignition Temperature** | **°C** Mixture has not been tested | **°F** Mixture has not been tested |
| **Decomposition temperature** | **°C** Mixture has not been tested | **°F** Mixture has not been tested |
| **Evaporation rate** | No data available | |
| **Flammability (solid, gas)** | No data available | |
| **Upper explosion limit** | Mixture has not been tested | |
| **Lower explosion limit** | Mixture has not been tested | |
| **Vapor Pressure** | Mixture has not been tested | |
| **Relative density** | Mixture has not been tested | |
| **Specific gravity** | No data available | |
| **Solubility** | No data available | |
| **Partition coefficient: n-octanol/water** | No data available | |
| **Explosive properties** | Mixture has not been tested | |

**Other information**
No data available.

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **Reactivity** | None known. |
| **Chemical stability** | Stable under normal conditions. |
| **Possibility of hazardous reactions** | Hazardous reaction has not been reported. |
| **Conditions to avoid** | No information available. |
| **Incompatible materials** | No dangerous reaction known under conditions of normal use. |
| **Hazardous decomposition products** | No data available. |

## SECTION 11: Toxicological information

**Information on toxicological effects**

There is no evidence available indicating acute toxicity.

**Principal Routes of Exposure**

| | |
|---|---|
| **Irritation** | Conclusive but not sufficient for classification . |
| **Corrosivity** | Conclusive but not sufficient for classification |
| **Sensitization** | Conclusive but not sufficient for classification . |
| **STOT - Single Exposure** | Conclusive but not sufficient for classification |
| **STOT - Repeated Exposure** | Conclusive but not sufficient for classification |
| **Carcinogenicity** | Conclusive but not sufficient for classification |
| **Mutagenicity** | Conclusive but not sufficient for classification . |
| **Reproductive toxicity** | Conclusive but not sufficient for classification . |
| **Aspiration hazard** | Conclusive but not sufficient for classification |

## SECTION 12: Ecological information

**Toxicity**
The environmental impact of this product has not been fully investigated.

| | |
|---|---|
| **Persistence and degradability** | No information available. |
| **Bioaccumulative potential** | No information available. |

**Results of PBT and vPvB assessment**
This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

| | |
|---|---|
| **Other adverse effects** | No information available. |

## SECTION 13: Disposal considerations

**Waste treatment methods**
The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

## SECTION 14: Transport information

**IATA / ADR / DOT-US / IMDG**
Not classified as dangerous in the meaning of transport regulations.

| | |
|---|---|
| **UN number** | Not Applicable |
| **UN proper shipping name** | Not Applicable |
| **Transport hazard class(es)** | Not Applicable |
| **Packing group** | Not Applicable |

**Environmental hazards**
Not Applicable

**Special precautions for user**
Not Applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**
Not Applicable.

## SECTION 15: Regulatory information

### US Federal Regulations

**SARA 313**
This product is not regulated by SARA.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product does not contains HAPs.

### US State Regulations

**California Proposition 65**
This product does not contain any Proposition 65 chemicals.

### WHMIS Hazard Class
Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

## SECTION 16: Other information

| | |
|---|---|
| **Reason for revision** | SDS sections updated. |
| **Revision number** | 9 |
| **Revision date** | 28-Aug-2018 |

Use as laboratory reagent. Scientific research and development.

**References**

• ECHA: http://echa.europa.eu/
• TOXNET: http://toxnet.nlm.nih.gov/
• eChemPortal: http://www.echemportal.org/
• LOLI database: https://www.chemadvisor.com/loli-database

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED,INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE"

**End of Safety Data Sheet**