

**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

**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:**

866-536-0631  
301-431-8585  
Outside of the U.S. +1-301-431-8585

**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

**Health hazards**

Not classified

**Physical hazards**

Not classified

**Hazard Statements**

Not Applicable

## Precautionary Statements

### Prevention

Not Applicable

### Response

Not Applicable

### Storage

Not Applicable

### Disposal

Not Applicable

## Principle Routes of Exposure

### Potential Health Effects

|                   |  |
|-------------------|--|
| <b>eyes</b>       | May cause eye irritation with susceptible persons. |
| <b>Skin</b>       | May cause skin irritation in susceptible persons.  |
| <b>inhalation</b> | May be harmful by inhalation.                      |
| <b>Ingestion</b>  | May be harmful if swallowed.                       |

### Specific effects

|                              |       |
|------------------------------|-------|
| <b>Carcinogenic effects</b>  | None. |
| <b>Mutagenic effects</b>     | None. |
| <b>Reproductive toxicity</b> | None. |
| <b>Sensitization</b>         | None. |

**Target Organ Effects** No known effects under normal use conditions.

## 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

|  |   |
|--|---|
| <b>Skin contact</b>  | Rinse cautiously with water for several minutes. Immediate medical attention is not required.   |
| <b>Eye contact</b>   | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  |
| <b>Ingestion</b>   | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| <b>inhalation</b>  | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.      |
| <b>Most important symptoms and effects, both acute and delayed</b> |   |
| Not Applicable   |   |

**Notes to Physician** Treat symptomatically.

#### SECTION 5: Firefighting measures

|  |   |
|--|---|
| <b>Suitable extinguishing media</b>                  | Water spray. Carbon dioxide (CO <sub>2</sub> ). Foam. Dry chemical. |
| <b>Special protective equipment for firefighters</b> | Standard procedure for chemical fires.                              |
| <b>Specific hazards arising from the chemical</b>    | Not known   |

#### SECTION 6: Accidental release measures

|                                |   |
|--------------------------------|---|
| <b>Personal precautions</b>    | Always wear recommended Personal Protective Equipment. Use personal protection equipment. |
| <b>Methods for cleaning up</b> | Soak up with inert absorbent material.  |

#### Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

#### SECTION 7: Handling and storage

|                 |   |
|-----------------|---|
| <b>Handling</b> | Always wear recommended Personal Protective Equipment. No special handling advices are necessary. |
| <b>Storage</b>  | Keep in a dry, cool and well-ventilated place.  |

#### SECTION 8: Exposure controls/personal protection

#### Exposure Limits

We are not aware of any national exposure limit.

|                                    |  |
|------------------------------------|--|
| <b><u>Engineering measures</u></b> | Ensure adequate ventilation, especially in confined areas. |
|------------------------------------|--|

#### **Personal Protective Equipment**

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

|                               |   |
|-------------------------------|---|
| <b>Respiratory protection</b> | In case of insufficient ventilation, wear suitable respiratory equipment. |
|-------------------------------|---|

|                        |                    |
|------------------------|--------------------|
| <b>Hand protection</b> | Impervious gloves. |
|------------------------|--------------------|

|                       |   |
|-----------------------|---|
| <b>Eye protection</b> | Wear safety glasses with side shields (or goggles). |
|-----------------------|---|

|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>Skin and Body Protection</b> | Lightweight protective clothing. |
|---------------------------------|----------------------------------|

|                         |  |
|-------------------------|--|
| <b>Hygiene measures</b> | Handle in accordance with good industrial hygiene and safety practice. |
|-------------------------|--|

|   |  |
|---|--|
| <b><u>Environmental exposure controls</u></b> | No special environmental precautions required. |
|---|--|

#### SECTION 9: Physical and chemical properties

#### **General information**

|                   |                   |
|-------------------|-------------------|
| <b>Form</b>       | Liquid            |
| <b>Appearance</b> | No data available |

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|   |                      |                      |
|---|----------------------|----------------------|
| <b>Odor</b>                                       | No data available    |                      |
| <b>Odor Threshold</b>                             | No data available    |                      |
| <b>Boiling point / boiling range</b>              | °C No data available | °F No data available |
| <b>Melting point / melting range</b>              | °C No data available | °F No data available |
| <b>flash point</b>                                | °C No data available | °F No data available |
| <b>Autoignition Temperature</b>                   | °C No data available | °F No data available |
| <b>Evaporation rate</b>                           | No data available    |                      |
| <b>Flammability (solid, gas)</b>                  | No data available    |                      |
| <b>Oxidizing properties</b>                       | No data available    |                      |
| <b>Water solubility</b>                           | No data available    |                      |
| <b>Upper explosion limit</b>                      | No data available    |                      |
| <b>Lower explosion limit</b>                      | No data available    |                      |
| <b>Partition coefficient:<br/>n-octanol/water</b> | No data available    |                      |
| <b>Vapor Pressure</b>                             | No data available    |                      |
| <b>vapor density</b>                              | No data available    |                      |
| <b>Viscosity</b>                                  | No data available    |                      |
| <b>pH value</b>                                   | No data available    |                      |

## SECTION 10: Stability and reactivity

|   |   |
|---|---|
| <b>Stability</b>                          | Stable under normal conditions.                             |
| <b>Materials to avoid</b>                 | No dangerous reaction known under conditions of normal use. |
| <b>Possibility of hazardous reactions</b> | Hazardous reaction has not been reported                    |
| <b>Hazardous decomposition products</b>   | None under normal use conditions.                           |
| <b>polymerization</b>                     | Hazardous polymerization does not occur.                    |
| <b>Conditions to avoid</b>                | None under normal processing.                               |

## SECTION 11: Toxicological information

### Acute Toxicity

No toxicology information is available.

### Principle Routes of Exposure

#### Potential Health Effects

|                              |  |
|------------------------------|--|
| <b>eyes</b>                  | May cause eye irritation with susceptible persons. |
| <b>Skin</b>                  | May cause skin irritation in susceptible persons.  |
| <b>inhalation</b>            | May be harmful by inhalation.                      |
| <b>Ingestion</b>             | May be harmful if swallowed.                       |
| <b>Carcinogenic effects</b>  | None.  |
| <b>Mutagenic effects</b>     | None.  |
| <b>Reproductive toxicity</b> | None.  |
| <b>Sensitization</b>         | None.  |

## SECTION 12: Ecological information

|                        |  |
|------------------------|--|
| <b>Ecotoxicity</b>     | Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. |
| <b>Mobility</b>        | No information available.  |
| <b>Biodegradation</b>  | Inherently biodegradable.  |
| <b>Bioaccumulation</b> | Material does not bioaccumulate.   |

## SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

## SECTION 14: Transport information

### IATA

|                              |   |
|------------------------------|---|
| <b>Proper Shipping Name</b>  | No dangerous good in sense of these transport regulations |
| <b>Hazard Class</b>          | None  |
| <b>Subsidiary class</b>      | None  |
| <b>Packing group</b>         | None  |
| <b>UN-No</b>                 | None  |
| <b>Environmental hazards</b> | None  |

## 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 contain 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 MSDS contains all the information required by the CPR.

## SECTION 16: Other information

**Reason for revision** SDS sections updated.

Use as laboratory reagent. Scientific research and development.

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**End of Safety Data Sheet**