



# SAFETY DATA SHEET

## CELSIOR®

### 1. PRODUCT INFORMATION

**Product Name:** CELSIOR®

**Reference:** 533682

**Manufacturer:** INSTITUT GEORGES LOPEZ

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Rochester, MN 55901, USA

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### 2. HAZARDS IDENTIFICATION

This product is not classified as hazardous according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and US Regulation 29 CFR 1910.1200.

**Hazardous Ingredients including Paints, Preservatives and Solvents:** Not applicable

**Hazardous Ingredients including Alloys and Metallic Coatings:** Not applicable

**Hazardous Mixtures of other Liquids, Solids or Gases:** None Identified

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical Family:** Mixture of Salts and Carbohydrates

**Ingredients:**

Component	CAS number	% (w/w)
Water for injection	7732-18-5	> 99
Lactobionic acid	96-82-2	< 0.1
D-Mannitol	69-65-8	< 0.1
Histidine	71-00-1	< 0.01
Sodium hydroxide	1310-73-2	< 0.01
Glutamic acid	56-86-0	< 0.01
Magnesium chloride	7786-30-3	< 0.01
Potassium chloride	7447-40-7	< 0.01
Glutathione	70-18-8	< 0.01
Calcium chloride	10035-04-8	< 0.01



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### 4. FIRST-AID MEASURES

**In case of skin contact:** Wash material from skin with soap and water and rinse thoroughly with clean water. Obtain medical attention if needed or if irritation or other symptoms develop.

**In case of eye contact:** Immediately flush eyes with plenty of tepid water while separating eyelids with fingers, removing contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.

**In case of ingestion:** drink 4 to 8 ounces (120 to 240 mL) of water to dilute. Seek medical attention if symptoms of digestive irritation or discomfort occur.

**In case of inhalation:** If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing agents:** Carbon dioxide, chemical foam, dry chemical or water spray

**Special protective equipment for firefighters:** As in any fire, firefighters should wear NIOSH-approved or equivalent Self-Contained Breathing Apparatus and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Wear Personal Protective Equipment (PPE) as indicated in Section 8. Avoid physical contact with material. Wash hands thoroughly after handling.

**Measures for environmental protection:** Prevent product from entering drains.

**Measures for cleaning/collecting:** Carefully soak up spill with paper towels or a non-combustible absorbent material. After material pickup is complete, wash spill site to remove any residual material and dry completely. Dispose of spilled material and contaminated waste in accordance with all applicable federal, state, local and provincial environmental regulations, per Section 13.

### 7. HANDLING AND STORAGE

**Handling:** Follow good laboratory hygiene practices. Wear proper Personal Protective Equipment (PPE) and employ exposure controls as indicated in Section 8. Avoid physical contact. Wash hands thoroughly after handling.

**Storage:** Store indoors at temperatures between +2°C and +8°C (36°F and 46°F) in a dry place away from direct sunlight. Product should not be frozen. Do not store with incompatible substances or under avoidable conditions identified in Section 10

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Protective Gloves:** Prevent skin exposure by wearing protective gloves impermeable to this material/preparation. Nitrile gloves are recommended for incidental handling.

**Eye Protection:** Safety Glasses. Eye Wash Station must be available.

**Other:** Wear appropriate protective clothing, such as a lab coat or other long-sleeved garment over your clothes, to minimize contact and contamination of clothing

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form:** Aqueous solution

**Color:** Clear to light yellow



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**Odor:** Odorless  
**pH:** 7.2 to 7.4 (at 20°C)  
**Boiling point:** 100 - 105 °C (212 - 221 °F)  
**Relative density:** about No information  
**Solubility in/Miscibility with water:** Soluble

### 10. STABILITY AND REACTIVITY

**Reactivity:** non-reactive under normal conditions  
**Stability:** stable under normal conditions  
**Incompatible materials:** None  
**Hazardous decomposition products:** No hazardous decomposition when stored normally

### 11. TOXICOLOGICAL INFORMATION

No component in this product present at levels greater than or equal to 0.1% is identified as toxic, carcinogenic, mutagenic or sensitizing.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available  
**Biodegradation:** No data available  
**Bioaccumulation:** No data available

### 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.

### 14. TRANSPORT INFORMATION

**DOT (US):** Not dangerous goods  
**IMDG:** Not dangerous goods  
**IATA:** Not dangerous goods

### 15. REGULATORY INFORMATION

**OSHA Hazards:** No OSHA Hazards.  
**DSL Status:** All components of this product are on the Canadian DSL list.  
**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (DE Minimis) reporting levels established by SARA Title III, Section 313.  
**SARA 311/312 Hazards:** No SARA Hazards

### 16. OTHER INFORMATION

**Date of establishment/update:** 23 AUG 2024



## **SAFETY DATA SHEET CELSIOR®**

**The information provided herein is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**