



Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name: Animal Free Recombinant Human Interleukin-7 (IL-7)

Synonyms: Pre-B-cell growth factor, Lymphopoietin 1

Catalog Number: HIL7

Recommended Use: For research use only (RUO). Not for human or animal therapeutic or diagnostic applications.

Manufacturer Contact:

Pacific Coast Biologics, INC.
2360 Eastman Ave, Suite 101, Oxnard, CA 93030, USA
Email: support@pacificcoastbio.com

Emergency Contact: Local poison control center or emergency medical services.

SECTION 2 – Hazard Identification

Classification (GHS):

Not classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Signal Word: None

Hazard Statements:

- May cause mild irritation to eyes, skin, or respiratory tract.
- Treat as potentially bioactive material.

Precautionary Statements:

- Avoid inhalation, ingestion, and direct contact.
 - Wear protective gloves, safety goggles, and lab coat.
 - Wash hands thoroughly after handling.
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SECTION 3 – Composition/Information on Ingredients

Substance: Recombinant Human IL-7 (Animal Free)

CAS Number: 87763-27-7

EC Number: Not assigned

Formulation: Lyophilized protein with small traces of sodium acetate.

Concentration: Supplied in microgram (μg) quantities per vial

SECTION 4 – First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms develop.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse with water for at least 15 minutes. Seek medical care if irritation persists.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Get medical help if unwell.
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SECTION 5 – Firefighting Measures

Suitable Extinguishing Media: Water spray, CO_2 , dry chemical, or foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides.

Protective Equipment: Firefighters should wear SCBA and full protective clothing.

SECTION 6 – Accidental Release Measures

- Avoid aerosol formation.
 - Wear gloves, lab coat, and safety glasses.
 - Absorb with inert material (spill pads, paper towels).
 - Clean with water and appropriate disinfectant.
 - Dispose of waste in accordance with local regulations.
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SECTION 7 – Handling and Storage

Handling:

- Handle using standard laboratory safety practices.
- Avoid inhalation, ingestion, or contact with skin/eyes.
- Use biosafety cabinet if aerosols may be generated.

Storage:

- Store lyophilized product at $-20\text{ }^{\circ}\text{C}$ or below.
 - Store reconstituted aliquots at $-80\text{ }^{\circ}\text{C}$.
 - Avoid repeated freeze–thaw cycles.
 - Protect from light and moisture.
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SECTION 8 – Exposure Controls/Personal Protection

Exposure Limits: None established.

Engineering Controls: Use in a well-ventilated area; biosafety cabinet recommended.

Personal Protective Equipment (PPE):

- Eye/Face: Safety glasses or goggles
 - Hands: Nitrile or latex gloves
 - Skin: Protective lab coat
 - Respiratory: Not required under normal use; respirator if aerosols may form
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SECTION 9 – Physical and Chemical Properties

- **Appearance:** White to off-white lyophilized powder; clear solution upon reconstitution
- **Odor:** Odorless
- **Solubility:** Soluble in aqueous buffers



- **pH:** Between pH 3.0 – 4.0 when reconstituted in purified water
 - **Stability:** Stable under recommended storage conditions
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SECTION 10 – Stability and Reactivity

Stability: Stable under recommended conditions.

Conditions to Avoid: Heat, light, repeated freeze–thaw cycles.

Incompatible Materials: Strong oxidizers.

Decomposition Products: Carbon oxides, nitrogen oxides under fire conditions.

SECTION 11 – Toxicological Information

- **Acute Toxicity:** No data available
 - **Irritation:** May cause mild skin, eye, or respiratory irritation
 - **Sensitization:** No data available
 - **Carcinogenicity/Mutagenicity/Reproductive Toxicity:** No data available
 - **Notes:** Treat as protein with unknown toxicological properties but possible biological activity
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SECTION 12 – Ecological Information

- No data available
 - Expected to pose minimal environmental impact at laboratory-scale quantities
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SECTION 13 – Disposal Considerations

- Dispose of material and container in accordance with local, state, and federal regulations.
 - Decontaminate surfaces with suitable disinfectant before disposal.
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SECTION 14 – Transport Information

UN Number: Not regulated

Proper Shipping Name: Non-hazardous laboratory reagent

Hazard Class: Not applicable

Packing Group: Not applicable

Special Precautions: Product is stable at ambient temperatures

SECTION 15 – Regulatory Information

- OSHA HCS: Not classified as hazardous
 - TSCA: Not listed
 - SARA Title III: Not listed
 - California Proposition 65: Not listed
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SECTION 16 – Other Information

Prepared by: Pacific Coast Biologics, INC.

Date Prepared: 03/01/2026

Revision Number: 1.0

This SDS is intended for laboratory safety guidance only. It does not guarantee product suitability. Users are responsible for compliance with applicable regulations.
