



Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name: Animal Free Recombinant Human Interleukin-6 (IL-6)

Synonyms: B-cell stimulatory factor-2 (BSF-2), Hybridoma Growth Factor, IFN- β 2

Catalog Number: HIL6

Recommended Use: For research use only (RUO). Not for use in humans or animals for therapeutic or diagnostic applications.

Manufacturer:

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 skin, eyes, or respiratory tract.
- Handle as potentially bioactive material.

Precautionary Statements:

- Avoid inhalation, ingestion, or direct contact.
- Wear gloves, protective clothing, and safety goggles.
- Wash thoroughly after handling.



SECTION 3 – Composition/Information on Ingredients

Substance: Recombinant Human IL-6 (Animal Free)

CAS Number: 92456-38-9

EC Number: Not assigned

Formulation: Lyophilized protein with trace amounts of sodium phosphate.

Concentration: Supplied in microgram (μg) quantities per vial

SECTION 4 – First Aid Measures

- **Inhalation:** Move to fresh air. Seek medical attention if symptoms occur.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse cautiously with water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if feeling 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 gear.

SECTION 6 – Accidental Release Measures

- Avoid generating aerosols.
- Use gloves, lab coat, and protective eyewear.
- Absorb spills with inert absorbent (e.g., paper towels or spill pads).
- Clean contaminated surfaces with water and disinfectant.
- Dispose of waste in compliance with regulations.



SECTION 7 – Handling and Storage

Handling:

- Handle using good laboratory practices.
- Avoid breathing aerosols, ingestion, or direct contact with skin/eyes.
- Use in a biosafety cabinet if aerosol generation is possible.

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.

SECTION 8 – Exposure Controls/Personal Protection

Exposure Limits: None established.

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

Personal Protective Equipment (PPE):

- Eye/Face: Safety glasses or goggles
- Hands: Laboratory gloves (nitrile or latex)
- Skin: Protective laboratory coat
- Respiratory: Not required under normal handling; respirator if aerosols may form

SECTION 9 – Physical and Chemical Properties

- **Appearance:** White to off-white lyophilized powder; clear solution when reconstituted
- **Odor:** Odorless



- **Solubility:** Soluble in aqueous buffers
 - **pH:** Between pH 7.3 – 7.5 when reconstituted in purified water
 - **Stability:** Stable when stored as recommended
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SECTION 10 – Stability and Reactivity

Stability: Stable under recommended storage conditions.

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

Incompatible Materials: Strong oxidizing agents.

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

SECTION 11 – Toxicological Information

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

- No specific data available
 - Expected to have minimal ecological impact at laboratory-scale use
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SECTION 13 – Disposal Considerations

- Dispose of contents and container in accordance with federal, state, and local regulations.
- Decontaminate surfaces and materials with suitable disinfectant before disposal.



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: 02/27/2026

Revision Number: 1.0

This SDS is intended as a safety guide for laboratory handling and does not guarantee product suitability. Users are responsible for safe practices and regulatory compliance.
