



Safety Data Sheet (SDS)

SECTION 1 – Identification

Product Name: Animal Free Recombinant Human EGF

Synonyms: Epidermal Growth Factor, hEGF

Catalog Number: HEGF

Recommended Use: Research use only (RUO). Not intended for diagnostic, therapeutic, or clinical 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 eye, skin, or respiratory irritation.
- Handle as a potentially bioactive material.

Precautionary Statements:

- Avoid breathing dust, fumes, or aerosols.
- Avoid contact with skin, eyes, and clothing.
- Use personal protective equipment as required.
- Wash hands and exposed skin thoroughly after handling.



SECTION 3 – Composition/Information on Ingredients

Substance: Recombinant Human Epidermal Growth Factor (EGF), Animal Free

CAS Number: Not assigned

EC Number: Not assigned

Formulation: Lyophilized powder, no additives.

Concentration: Supplied in microgram quantities per vial.

SECTION 4 – First Aid Measures

General Advice: Provide this SDS to medical personnel if assistance is required.

- **Inhalation:** Move to fresh air. If breathing is difficult, seek medical attention.
 - **Skin Contact:** Wash with plenty of soap and water. Remove contaminated clothing.
 - **Eye Contact:** Rinse thoroughly with water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Ingestion:** Rinse mouth with water. Do not induce vomiting. Seek medical attention if feeling unwell.
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SECTION 5 – Firefighting Measures

Extinguishing Media: Use water spray, dry chemical, CO₂, or foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides.

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and protective clothing.

SECTION 6 – Accidental Release Measures

- Avoid generating aerosols.
- Wear protective equipment.
- Absorb spill with inert material (e.g., paper towel).



- Clean with water and suitable disinfectant.
 - Dispose of waste in compliance with local regulations.
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SECTION 7 – Handling and Storage

Handling:

- Use standard laboratory precautions.
- Avoid inhalation, ingestion, or contact with eyes and skin.
- Handle in a biosafety cabinet if aerosol generation is possible.

Storage:

- Store lyophilized product at –20 °C or below.
 - Store reconstituted aliquots at –80 °C.
 - Avoid repeated freeze–thaw cycles.
 - Keep container tightly closed, away from light.
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SECTION 8 – Exposure Controls/Personal Protection

Exposure Limits: None established.

Engineering Controls: Handle in a well-ventilated area. Use biosafety cabinet where appropriate.

PPE:

- Eye/Face: Safety glasses or goggles
 - Skin: Gloves and lab coat
 - Respiratory: Not required under normal use; use respirator if risk of aerosol exposure exists
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SECTION 9 – Physical and Chemical Properties



- **Appearance:** White to off-white lyophilized powder; clear to slightly opalescent solution upon reconstitution
 - **Odor:** Odorless
 - **Solubility:** Soluble in water and buffers
 - **pH:** Below pH 3.0 when reconstituted in purified water
 - **Stability:** Stable under recommended storage conditions
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SECTION 10 – Stability and Reactivity

Chemical Stability: Stable if stored properly

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

Incompatible Materials: Strong oxidizers

Decomposition Products: Carbon oxides, nitrogen oxides

SECTION 11 – Toxicological Information

- **Acute Toxicity:** No data available
 - **Skin/Eye Irritation:** May cause mild irritation
 - **Sensitization:** No data available
 - **Carcinogenicity/Mutagenicity/Reproductive Effects:** No data available
 - **Other Notes:** Treat as a potentially bioactive protein
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SECTION 12 – Ecological Information

- No specific data available
 - Expected to have minimal environmental impact in small laboratory quantities
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SECTION 13 – Disposal Considerations

- Dispose of contents and container according to local, state, and federal regulations



- Decontaminate material with suitable disinfectant before disposal

SECTION 14 – Transport Information

UN Number: Not regulated

Proper Shipping Name: Non-hazardous laboratory material

Hazard Class: Not applicable

Packing Group: Not applicable

Special Precautions: Ship on dry ice if required for stability

SECTION 15 – Regulatory Information

- OSHA HCS: Not classified as hazardous
- TSCA: Not listed
- SARA Title III: Not listed
- California Proposition 65: Not listed

SECTION 16 – Other Information

Prepared by: Pacific Coast Biologics, INC.

Date Prepared: 02/26/2026

Revision Number: 1.0

This SDS is intended to provide safety guidance for laboratory use of this product. It does not constitute a warranty of product properties. Users are responsible for safe handling in their own facilities.