



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifiers

Product Name: Recombinant Human IL-1 beta/IL-1F2 Protein

Catalog Number: EXRP031

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: For Research Use Only. Not For Use in Diagnostic Procedures

Company/Undertaking Identification

Exreprotein, LLC.

2726 Summer Street NE

Minneapolis, MN 55413

(800) 215-0202

Emergency Telephone Number

Emergency Telephone: (800) 215-0202

SECTION 2: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

This substance does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC, 1272/2008 (CLP), GHS or 29 CFR 1910.1200 (OSHA).

Label Elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other Hazards

None

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

The product contains no substances at their given concentration considered to be hazardous to health.

SECTION 4: FIRST-AID MEASURES

After Skin Contact: Wash skin with soap and water for 15 minutes.

After Eye Contact: Flush thoroughly with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue to flush with water.

After Inhalation: Remove to fresh air. Monitor breathing. Consult a physician if necessary.

After Swallowing: Rinse mouth with water. If feeling unwell, consult a physician.

Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms: No information available

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to physicians: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Agents: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Special Hazards Arising from the Substance or Mixture: Not known.

Special Protective Equipment for Firefighters: Wear protective clothing to prevent contact with skin and eyes, and self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Ensure adequate ventilation. Always wear Personal Protective Equipment. See section 8 for additional information.

Environmental Precautions

Do not let product enter drains. See section 12 for additional information.

Methods and Materials for Containment and Clean Up

Prevent further leakage or spillage, if safe. Cover spillage with suitable absorbent material. See section 13 for information on appropriate disposal of materials.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Handle in accordance with good industrial hygiene and safety practice.

Conditions for Safe Storage, Including Any Incompatibilities

Keep in a dry, cool, and well-ventilated place. Keep in containers that are properly labeled and tightly sealed.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters

Contains no substances with occupational exposure limit values.

Appropriate Engineering Controls

Use in a fume hood where applicable. Ensure all engineering measures under section 7 of SDS are in place. Ensure the laboratory is equipped with a safety shower and eye wash station.

Respiratory Protection

If risk assessment indicates necessity, use a suitable respirator.

Skin Protection

Use appropriate chemical resistant gloves.

Eye Protection

Use appropriate safety glasses.

Body Protection

Wear appropriate protective clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Lyophilized with powder or clear liquid.

Odor: Little to none.

Odor Threshold: No data available.

pH: No data available.

Melting/Freezing Point: No data available.

Boiling Point/ Range: No data available.

Flash Point: No data available.

Evaporation Rate: No data available.

Flammability (Solid, Gas): No data available.

Upper/Lower Flammability or Explosive Limits: No data available.

Vapor Pressure: No data available.

Vapor Density: No data available.

Relative Density: No data available.

Solubility in Other Solvents: No data available.

Partition Coefficient: No data available.

Autoignition Temperature: No data available.

Decomposition Temperature: No data available.

Viscosity: No data available.

Explosive Properties: No data available.

Oxidizing Properties: No data available.

Other Safety Characteristics

No data available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity

Stable under recommended transport or storage conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal transport or storage conditions.

Conditions to Avoid

No data available.

Incompatible Materials

No dangerous reaction known under conditions of normal use.

Hazardous Decomposition Products

No data available.

SECTION 11: TOXICOLOGICAL INFORMATION**Information on Toxicological Effects**

There is no evidence available indicating acute toxicity.

Acute toxicity: Data are conclusive but insufficient for classification.

Skin Corrosion/Irritation: Data are conclusive but insufficient for classification.

Serious Eye Damage/Irritation: Data are conclusive but insufficient for classification.

Respiratory or Skin Sensitization: Data are conclusive but insufficient for classification.

Germ Cell Mutagenicity: Data are conclusive but insufficient for classification.

Carcinogenicity: Data are conclusive but insufficient for classification.

Reproductive Toxicity: Data are conclusive but insufficient for classification.

Specific Target Organ Toxicity – Single Exposure: Data are conclusive but insufficient for classification.

Specific Target Organ Toxicity – Repeated Exposure: Data are conclusive but insufficient for classification.

Aspiration Hazard: Data are conclusive but insufficient for classification.

Symptoms/Routes of Exposure

Skin: Possible mild irritation at the site of contact.

Eye: Possible irritation and redness.

Inhalation: Possible irritation of the throat.

Ingestion: Possible irritation of the throat.

Additional Information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

No data available.

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Results of PBT and vPvB Assessment

No data available.

Other Adverse Effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS**Waste Treatment Methods****Product**

Transfer product, its solutions, or any by-products to a suitable container and dispose in accordance with the requirements of all applicable local, regional, or national regulations.

Contaminated Packaging

Dispose in accordance with the requirements of all applicable local, regional, or national regulations.

SECTION 14: TRANSPORT INFORMATION

Classified according to the criteria of the UN Model Regulations as reflected in the IMDG Code, ADR, RID, DOT and IATA.

UN Number

Does not meet the criteria for classification as hazardous for transport.

UN Proper Shipping Name

Does not meet the criteria for classification as hazardous for transport.

Transport Hazard Class(es)

Does not meet the criteria for classification as hazardous for transport.

Packaging Group

Does not meet the criteria for classification as hazardous for transport.

Environmental Hazards

Does not meet the criteria for classification as hazardous for transport.

Special Precautions for Users

Does not meet the criteria for classification as hazardous for transport.

Additional Transport Information

Does not meet the criteria for classification as hazardous for transport.

SECTION 15: REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SARA Section 311/312: Not applicable.

SARA Section 313: Not applicable.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): This product does not contain HAPs.

TSCA (Toxic Substances Control Act): Not applicable.

CERCLA Reportable Quantity: Not applicable.

California Proposition 65: Not applicable.

Chemical Safety Assessment

A Chemical Safety Assessment has not been made for this product.

SECTION 16: OTHER INFORMATION

Revision Date: 1/17/2025

Revision Number: 1

The above information was prepared in a manner believed to be correct based on available information. It shall not be considered all-inclusive and shall be used as a guide for experienced personnel in authorized and appropriately equipped facilities. Consult your safety advisor to follow the appropriate local and national safety regulations. All substances and mixtures should be handled with caution and may present unknown hazards. The Company is unable to control conditions, volumes, and methods of use. Therefore, the Company shall not be held liable for any damages or losses resulting from contact with, or from the handling of, this product. The absence of warning should not be interpreted as no hazard exists. This SDS does not constitute a warranty, expressed or implied, for any quality specification or performance for any particular purpose.