



# SAFETY DATA SHEET

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

### Product Identifiers

**Product Name:** Human IFN-gamma Precoated ELISA Kit

**Catalog Number:** EXHK027

### Components:

- Human IFN-gamma Coated Microplate
- Human IFN-gamma Standard
- Human IFN-gamma Conjugate
- Streptavidin-HRP
- Diluent Buffer
- Wash Buffer
- TMB Color Reagent
- Stop Solution

### 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

(612)

### Emergency Telephone Number

Emergency Telephone:

## 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 (CO<sub>2</sub>). Foam. Dry chemical.

**Special Hazards Arising from the Substance or Mixture:** If this product is involved in a fire, carbon oxides can be released

**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**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material and avoid slipping. Avoid breathing vapor or mist. Ensure adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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 away from direct sunlight. 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. Gloves should be inspected before use. Wash and dry hands thoroughly after handling.

### Eye Protection

Use appropriate safety glasses.

### Body Protection

Wear appropriate protective clothing.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

- Liquid: Human IFN-gamma Conjugate, Wash Buffer, Streptavidin-HRP, Diluent Buffer, TMB Color Reagent, Stop Solution
- Solid: Human IFN-gamma Coated Microplate, Human IFN-gamma Standard

**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:** Non explosive

**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**

Incompatible materials, direct sunlight, high temperatures and open fire.

**Incompatible Materials**

Strong oxidizing agents, strong acids, strong bases.

**Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**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:** Prolonged and repeated exposure may cause skin irritation.

**Serious Eye Damage/Irritation:** Irritating effect possible.

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

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

**Carcinogenicity:** No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

**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.

**Additional Information**

No data available.

## SECTION 12: ECOLOGICAL INFORMATION

### **Toxicity**

This product contains no hazardous or toxic substances, and presents a negligible impact on the environment based on its reported use pattern.

### **Persistence and Degradability**

The products exhibit natural biodegradable.

### **Bioaccumulative Potential**

The potential for bioaccumulation of this material in aquatic organisms is low.

### **Mobility in Soil**

Will penetrate into the soil, will be dissolved in the soil material.

### **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

According to IATA DGR 64th Edition for transportation, IMO International Maritime Dangerous Goods Code (Amendment 39-18), European Agreement Concerning the International Carriage of Dangerous Goods by Road. The products are not subject to ADR, RID, AND, IMDG and IATA DGR.

#### **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**

TSCA: United States Toxic Substances Control Act Inventory

EINECS: European Inventory of Existing Commercial Chemical Substances

DSL: Canadian Domestic Substances List

IECSC: China Inventory of Existing Chemical Substances

PICCS: Philippines Inventory of Chemicals and Chemical Substances

NZIoC: New Zealand Inventory of Chemicals

KECI: Existing and Evaluated Chemical Substances

AICS: List of existing chemical substances in Australia

**SECTION 16: OTHER INFORMATION****Revision Date:****Revision Number:**

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.