1.0 PRODUCT AND COMPANY INFORMATION

1.1 Product name: Recombinant Murine IFN-γ

1.2 Catalog # / Part number: AF-315-05

1.3 Manufacturer / Supplier:

PeproTech Inc.
Corporate Headquarters
Princeton Business Park
5 Crescent Avenue
P.O. Box 275
Rocky Hill, NJ 08553
Phone: 800-436-9910 / 609-497-0253
Fax: 609-497-0321

1.4 Emergency Information:

Please call PeproTech at 609-497-0253

EMERGENCY HEALTH INFORMATION:
800-424-8802 National Response Center

1.5 Application of the substance or mixture: Not for human use.

1.6 Other product information: This product has not been registered with CHEMTREC (USA)

2.0 HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture: Not a hazardous substance or mixture.

2.2 GHS classification: Does not meet the classification criteria of the EC Directives 67/548/EEC, 1999/45/EC or 1272/2008

2.3 GHS labeling: Does not need to be labeled in accordance with EC directives or respective national laws.

2.4 Special hazards: None

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Ingredients: This product does not contain any hazardous substances at concentrations of 1% or greater. This product is not known to contain carcinogens at a concentration of 0.1% or greater. No MSDS is required.

4.0 FIRST AID MEASURES

4.1 Description of first aid measures:

Eye contact: May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get
immediate medical attention.

**Skin contact:** May cause skin irritation. Immediately flush with plenty of water.

**Inhalation:** No recognized inhalation hazard. If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

**Ingestion:** No recognized ingestion hazard. If swallowed, drink plenty of water. Get immediate medical attention.

### 5.0 FIRE FIGHTING MEASURES

5.1 **Classification of substance or mixture:** The product is non-flammable.

5.2 **Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.3 **Protective equipment:** Wear self-contained breathing apparatus for firefighting if necessary.

### 6.0 ACCIDENTAL RELEASE MEASURES

6.1 **Personal precautions:** Use eye protection, gloves, and apron. Implement appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

6.2 **Methods for clean up:** Sweep up, place in bag and hold for disposal. Ventilate area and wash site after material is picked up.

### 7.0 HANDLING AND STORAGE

7.1 **Handling:** Avoid inhalation. Avoid contact with eyes, skin, and clothing.

7.2 **Storage:** Keep tightly closed. Store at -20°C until use.

7.3 **Additional information:** See product data sheet for more information on handling and storage.

### 8.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 **Control parameters:** Contains no substances with occupational exposure limit values.

8.2 **Engineering controls:** Ensure adequate ventilation. Use appropriate personal protective work clothing.

8.3 **Personal precautions:**

   **Eye:** Wear appropriate eye protection.

   **Skin:** Wear clothing and gloves that cannot be penetrated by chemicals or oil.

   **Inhalation:** Respiratory equipment is not required.
9.0 CHEMICAL AND PHYSICAL PROPERTIES

9.1 Description of chemical and physical properties:

- **Appearance**: Solid; white powder or thin/invisible film
- **Odor**: None
- **pH**: Not available
- **Vapor pressure**: Not available
- **Vapor density**: Not available
- **Boiling point**: Not available
- **Melting/freezing point**: Not available
- **Flash point UEL/LEL**: None established
- **Evaporation rate**: Undetermined
- **Flammability**: Non-flammable material
- **Solubility**: Not available
- **Specific gravity (water = 1)**: Not available
- **Volatile %**: Not available
- **Water content**: Not available
- **Decomposition Temperature**: Not available
- **Autoignition Temperature**: None established
- **VOC content**: Not available
- **Viscosity**: Not available

10.0 STABILITY AND REACTIVITY

10.1 **Stability**: Stable under recommended storage conditions.

10.2 **Conditions to avoid**: Heat and moisture

10.3 **Materials to avoid**: Strong oxidizing agents

10.4 **Hazardous decomposition**: None determined

10.5 **Hazardous polymerization**: Does not spontaneously polymerize

11.0 TOXICOLOGICAL INFORMATION

11.1 **Potential health effects**:

- **Eye contact**: May cause eye irritation.
- **Skin contact**: May cause skin irritation.
Inhalation: May be harmful if inhaled. May be irritating to mucous membranes.

Ingestion: May be harmful if swallowed.

Carcinogenicity: None

Reproductive toxicity: None

Mutagenicity: None

Sensitization: None

12.0 ECOLOGICAL INFORMATION

12.1 Ecotoxicity: Undetermined

12.2 Biodegradability: Undetermined

12.3 Mobility: Undetermined

12.4 Bioaccumulation: Undetermined

13.0 DISPOSAL INFORMATION

13.1 Disposal method: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14.0 TRANSPORTATION INFORMATION

14.1 Transport information:

DOT Hazard class: Non-hazardous for transport.

IATA Hazard class: Non-hazardous for transport.

IMDG Hazard class: Non-hazardous for transport.

15.0 REGULATORY INFORMATION

15.1 US Federal and State Regulations:

CERCLA Sections 102a/103 Hazardous Substances (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): This product is not regulated under Section 302 of SARA and 40 CFR Part 355.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): This product is not defined as hazardous by OSHA under 29 CFR Part 1910.1200(d).

SARA Title III Section 313 (40 CFR Part 372): This product does not contain any of the substances on the Toxic Chemicals List in 40 CFR Part 372.
**US Inventory/TSCA (Toxic Substances Control Act):** Not listed on inventory

**OSHA Hazard Communication Standard:** Non-hazardous

**California Proposition 65:** Not listed on California’s listing of known or potential carcinogens.

### 15.2 Additional Regulations:

**WHMIS Controlled Product Classification:** This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

**EC Inventory (EINECS/ELINCS):** Not determined

**Japan Inventory (MITI):** Not determined

**Australia Inventory (AICS):** Not determined

**Korea Inventory (ECL):** Not determined

**Canada Inventory (DSL):** Not determined

**Philippine Inventory (PICCS):** Not determined

### 16.0 OTHER INFORMATION

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<th>16.1 Disclaimer:</th>
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<td>16.2 Note to reader:</td>
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