

# SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

## Gamma Globulin

SDS DATE: 28 Jun 2021



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### SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

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**1.1 PRODUCT NAME:** Gamma Globulin

**SYNONYMS:** Immunoglobulin G  
γ-Globulin  
Globulin, Immune (USP)

**PRODUCT CODES:**

21005 Rabbit Gamma Globulin  
21008 Rabbit Gamma Globulin US Origin  
22005 Goat Gamma Globulin  
27005 Bovine Gamma Globulin  
29005 Sheep Gamma Globulin

**CAS No.:** 9007-83-4  
**Index No.:** N/A

**1.2 IDENTIFIED USES:**

Research or further manufacturing only. Not for animal or human consumption.

**1.3 DETAILS OF THE SUPPLIER**

**MANUFACTURER:** Pel-Freez, LLC  
**DIVISION:** Biologicals  
**ADDRESS:** 219 N. Arkansas St., Rogers, AR 72756

**1.4 EMERGENCY PHONE:**

1-800-643-3426 hours: 8.30 AM to 5.00 PM, CST (GMT-5)

**CHEMTREC PHONE:** N/A  
**OTHER CALLS:** 479-636-4361  
**FAX PHONE:** 479-636-3562

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### SECTION 2: HAZARDS IDENTIFICATION

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**2.1 CLASSIFICATION OF THE SUBSTANCE**

Not classified for physical or health hazards under GHS. No known OSHA hazards.

**HMIS CLASSIFICATION:**  
Health Hazard: 0  
Flammability: 0  
Physical hazards: 0

**NFPA RATING:**  
Health Hazard: 0  
Fire: 0

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Reactivity hazard: 0

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### POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation.

**SKIN:** May cause skin irritation.

**INGESTION:** May be harmful if swallowed.

**INHALATION:** May cause irritation of respiratory tract

**ACUTE HEALTH HAZARDS:** Not determined

**CHRONIC HEALTH HAZARDS:** Not determined

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Not Determined

### CARCINOGENICITY

**OSHA:** Not determined

**IARC:** Not determined

**ACGIH:** Not determined

**OTHER:** Not determined

**NTP:** Not determined

## 2.2 LABEL ELEMENTS

### Hazard pictograms:

N/A

### Signal word:

N/A

### Hazard statements:

N/A

### Precautionary statements:

N/A

### Supplemental Hazard information:

N/A

## 2.3 OTHER HAZARDS:

N/A

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## SECTION 3: COMPOSITION

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### 3.1 SUBSTANCES

CAS-No. 9007-83-4

EC-No. 232-706-1

No ingredients are hazardous according to OSHA criteria.

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## SECTION 4: FIRST AID MEASURES

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### 4.1 DESCRIPTION OF FIRST AID MEASURES

**EYES:** In the case of contact with eyes, flush eyes with plenty of water as a precaution.

**SKIN:** Wash with plenty of soap and water.

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**INGESTION:** Rinse mouth with water.

**INHALATION:** Move to fresh air. If not breathing give artificial respiration.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** None

**SECTION 4 NOTES:** N/A

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### SECTION 5: FIRE-FIGHTING MEASURES

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#### 5.1 EXTINGUISHING MEDIA:

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water spray or appropriate foam. If in a laboratory setting, follow laboratory fire suppression procedures.

**Unsuitable extinguishing media:** None

**5.2 SPECIAL FIRE FIGHTING PROCEDURES:** None known

#### 5.3 ADVICE FOR FIRE-FIGHTERS

**Hazardous decomposition products:** Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

#### FLAMMABLE LIMITS IN AIR, (% BY VOLUME)

**UPPER:** Not Determined

**LOWER:** Not Determined

#### FLASH POINT:

**F:** Not Determined

**C:** Not Determined

**METHOD USED:** N/A

#### AUTOIGNITION TEMPERATURE:

**F:** Not Determined

**C:** Not Determined

#### NFPA HAZARD CLASSIFICATION

**HEALTH:** Not Determined

**FLAMMABILITY:** Not Determined

**REACTIVITY:** Not Determined

**OTHER:** Not Determined

#### HMIS HAZARD CLASSIFICATION

**HEALTH:** Not Determined

**FLAMMABILITY:** Not Determined

**REACTIVITY:** Not Determined

**PROTECTION:** Not Determined

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### SECTION 6: ACCIDENTAL RELEASE MEASURES

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#### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

**For non-emergency personnel**

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Protective equipment: Wear gloves and lab coat, or other protective covering.

Emergency procedures: Stop the spill. Contain with inert absorbent material. Sweep up or shovel. Keep in suitable closed containers for disposal. Wash spill site after pick up is complete.

### For emergency responders

Personal protective equipment: Wear gloves and lab coat, or other protective covering

## 6.2 ENVIRONMENTAL PRECAUTIONS: N/A

## 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

**For containment:** Contain with inert absorbent material. Sweep up or shovel. Keep in suitable closed containers for disposal.

**For cleaning up:** Wash spill site after pick up is complete.

**Other information:** N/A

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## SECTION 7: HANDLING AND STORAGE

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**PRECAUTIONS:** Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment.

### 7.1 PRECAUTIONS FOR SAFE HANDLING

**Protective measures:**

**Advice on safe handling:**  
N/A

**Fire preventions:**  
N/A

**Aerosol and dust generation preventions:**  
N/A

**Environmental precautions:**  
N/A

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

**Technical measures and storage conditions:**  
Store refrigerated or frozen

**Packaging materials:**  
Leak proof materials

**Requirements for storage rooms and vessels:**  
N/A

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Hints on storage assembly:

**Storage class:**

N/A

**Materials to avoid:**

N/A

**Further information on storage conditions:**

N/A

### 7.3 SPECIFIC END USES:

**Recommendations:**

For research or further manufacturing. Not for consumption.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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Contains no substances with occupational exposure limit values

### 8.1 CONTROL PARAMETERS

**8.1.1 OCCUPATIONAL EXPOSURE LIMITS:**

Not determined

**8.1.2 BIOLOGICAL LIMIT VALUES:**

N/A

### 8.2 EXPOSURE CONTROLS

**8.2.1 APPROPRIATE ENGINEERING CONTROLS:**

Ensure adequate ventilation.

**8.2.2 PERSONAL PROTECTIVE EQUIPMENT:**

**VENTILATION:** Ensure adequate ventilation.

**RESPIRATORY PROTECTION:** None

**EYE PROTECTION:** Safety Glasses if appropriate

**SKIN PROTECTION:** PVC or nitrile disposable gloves

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** None.

**WORK HYGIENIC PRACTICES:** Avoid contact with skin, eyes, and clothing.

**8.2.3 ENVIRONMENTAL EXPOSURE CONTROLS:**

Do not let product enter drains.

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### Consumer exposure control

Measures related to consumer uses of the substance (as such or in mixtures):  
None

Measures related to the service life of the substance in articles:  
None

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

**pH AS SUPPLIED:** Not applicable

**pH (Other):** Not applicable

**BOILING POINT:** Not Determined

**F:** Not Determined

**C:** Not Determined

**MELTING POINT:** Not Determined

**F:** Not Determined

**C:** Not Determined

**FREEZING POINT:**

**F:** Not Determined

**C:** Not Determined

**VAPOR PRESSURE (mmHg) @:** Not Determined

**F:** Not Determined

**C:** Not Determined

**VAPOR DENSITY (AIR = 1) @:** Not Determined

**F:** Not Determined

**C:** Not Determined

**SPECIFIC GRAVITY (H2O = 1) @:** Not Determined

**F:** Not Determined

**C:** Not Determined

**EVAPORATION RATE:** Not Determined

**BASIS (=1):** Not Determined

**SOLUBILITY IN WATER:** Soluble

**PERCENT SOLIDS BY WEIGHT:** Not Determined

**PERCENT VOLATILE:** Not Determined

**BY WT/ BY VOL @ F:** Not Determined

**C:** Not Determined

**VOLATILE ORGANIC COMPOUNDS (VOC):** Not Determined

**WITH WATER:** Not Determined

**LBS/GAL**

**WITHOUT WATER:** Not Determined

**LBS/GAL**

**MOLECULAR WEIGHT:** Not Determined

**VISCOSITY@:** Not Determined

**F:** Not Determined

**C:** Not Determined

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### 9.2 OTHER INFORMATION:

**Physical hazards:**

**Explosives**

Not applicable

**Flammable gases**

Not applicable

**Flammable aerosols**

Not applicable

**Oxidising gases**

Not applicable

**Gases under pressure**

Not applicable

**Flammable liquids**

Not applicable

**Flammable solids**

Not applicable

**Self-reactive substances and mixtures**

Not applicable

**Pyrophoric liquids**

Not applicable

**Pyrophoric solids**

Not applicable

**Self-heating substances and mixtures**

Not applicable

**Substances or mixtures which, in contact with water emit flammable gases**

Not applicable

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### Oxidising liquids

Not applicable

### Oxidising solids

Not applicable

### Organic peroxides

Not applicable

### Metal corrosion

Not applicable

## **SECTION 10: STABILITY AND REACTIVITY**

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### **10.1 REACTIVITY**

None under normal processing

### **10.2 CHEMICAL STABILITY**

Stable for up to 1 year when stored under recommended conditions.

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

None under normal processing

### **10.4 CONDITIONS TO AVOID:**

Exposure to air, moisture, or high temperatures over long periods

### **10.5 INCOMPATIBLE MATERIALS:**

Strong Oxidizing agents

### **10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

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### **11.1 TOXICOLOGICAL INFORMATION:**

#### **11.1.1 Acute toxicity**

No data available

Inhalation: No data available

Dermal: No data available

LD50 Intravenous - Rat - > 11,000 mg/kg

Remarks: Lungs, Thorax, or Respiration:Dyspnea. Lungs, Thorax, or Respiration:Other changes.

#### **Skin corrosion/irritation**

No data available

#### **Serious eye damage/eye irritation**



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No data available

### Respiratory or skin sensitization

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

### Reproductive toxicity

No data available

### Specific target organ toxicity - single exposure

No data available

### Specific target organ toxicity – repeated exposure

No data available

### Aspiration hazard

No data available

### Additional Information

RTECS: Not available

## SECTION 12: ECOLOGICAL INFORMATION

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### ECOLOGICAL INFORMATION:

**Mobility:** No data available

**Bioaccumulation:** No data available

**Ecotoxicity effects:** No data available

**Aquatic toxicity:** No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE FROM RESIDUES / UNUSED PRODUCTS:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**CONTAMINATED PACKAGING:** Do not re-use empty containers.

**RCRA HAZARD CLASS:** Not determined.

## SECTION 14: TRANSPORT INFORMATION

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### U.S. DEPARTMENT OF TRANSPORTATION

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** No dangerous goods class allocated

**ID NUMBER:** Not regulated

**PACKING GROUP:** None

**LABEL STATEMENT:** None

### WATER TRANSPORTATION

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** No dangerous goods class allocated

**ID NUMBER:** Not regulated

**PACKING GROUP:** None

**LABEL STATEMENTS:** None

### AIR TRANSPORTATION

**PROPER SHIPPING NAME:**

**HAZARD CLASS:** No dangerous goods class allocated

**ID NUMBER:** Not regulated

**PACKING GROUP:** None

**LABEL STATEMENTS:** None

**OTHER AGENCIES:** Not Applicable

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## SECTION 15: REGULATORY INFORMATION

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### SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### SARA 311/312 Hazards

No SARA Hazards

### Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

### Pennsylvania Right to Know Components

γ-Globulin      CAS-No.9007-83-4

### New Jersey Right to Know Components

γ-Globulin      CAS-No.9007-83-4

### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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### SECTION 16: OTHER INFORMATION

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**OTHER INFORMATION:** N/A

**PREPARATION INFORMATION:** N/A

**DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.