

## Horse Serum

Safety Data Sheet · According to Regulation (EC) No 1907/2006 · Revision 1.0 · 28 Jun 2021 · Reissued 2026-09-19 (layout and contact details only)

### Section 1: Identification of the Substance and of the Supplier

|                        |                                                                              |
|------------------------|------------------------------------------------------------------------------|
| <b>Synonyms</b>        | Equine Serum                                                                 |
| <b>CAS No.</b>         | N/A Index No.: N/A                                                           |
| <b>Recommended use</b> | Research or further manufacturing only. Not for human or animal consumption. |
| <b>Supplier</b>        | Pel-Freez Biologicals, 205 North Arkansas Street Rogers, AR 72756            |
| <b>Telephone</b>       | +1 (800) 643-3426 (8:30AM - 5PM CT, Monday - Friday)                         |
| <b>Email / Web</b>     | biosales@pel-freez.com · www.pel-freez.com                                   |

#### Product codes covered by this sheet

| Code  | Product                                                  |
|-------|----------------------------------------------------------|
| 39317 | Horse Serum Donor Herd Non-Hemolyzed Delipidized         |
| 39319 | Horse Serum Non-Sterile Trace-Hemolyzed                  |
| 39321 | Horse Serum Donor Herd Non-Hemolyzed Sterile             |
| 39324 | Horse Serum Donor Herd Non-Sterile Non-Hemolyzed         |
| 39325 | Horse Serum Lyophilized                                  |
| 39327 | Horse Serum Donor Herd Sterile Non-Hemolyzed Delipidized |
| 39328 | Horse Serum Sterile Donor Herd Heat-Inactivated          |

#### 1.1 Product Name

**CHEMICAL NAME:** Not applicable

**CHEMICAL FAMILY:** Not applicable

**CHEMICAL FORMULA:** Not applicable CAS No.: N/A Index No.: N/A

#### 1.2 Identified Uses

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

### Section 2: Hazards Identification

#### 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

**Reactivity hazard:** 0

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 ACGIH: Not determined NTP: Not determined

**IARC:** Not determined

**OTHER:** 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

## Section 3: Composition

### 3.1 Ingredients

**Goat Serum:** 100%

No ingredients are hazardous according to OSHA criteria.

## Section 4: First Aid Measures

### 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.

**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 5: Fire-fighting Measures

### 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

## Section 6: Accidental Release Measures

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

For non-emergency personnel

**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

## Section 7: Handling and Storage

**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

**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

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

N/A

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

### 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 (H<sub>2</sub>O = 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:**

**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

### 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  
Oxidising liquids  
Not applicable  
Oxidising solids  
Not applicable  
Organic peroxides  
Not applicable  
Metal corrosion  
Not applicable

## Section 10: Stability and Reactivity

### 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

**TOXICOLOGICAL INFORMATION:** No data is available for this product.

## Section 12: Ecological Information

**ECOLOGICAL INFORMATION:**

**Mobility:**

**No data available Bioaccumulation:**

**No data available Ecotoxicity effects:**

No data available Aquatic toxicity: No data available

### Section 13: Disposal Considerations

**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

**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

### Section 15: Regulatory Information

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** Not Applicable

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):** Not Applicable

**311/312 HAZARD CATEGORIES:** Not Applicable

**313 REPORTABLE INGREDIENTS:** Not Applicable

**STATE REGULATIONS:** Not Applicable

**INTERNATIONAL REGULATIONS:** Not Applicable

### Section 16: Other Information

**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.