

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021



SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND OF THE SUPPLIER

1.1 PRODUCT NAME: Bovine Serum

SYNONYMS: N/A

PRODUCT CODES:

37117 Bovine Calf Serum Sterile Non-Hemolyzed Delipidized
37125 Bovine Calf Serum Sterile Non-Hemolyzed
37128 Bovine Steer Serum Sterile Non-Hemolyzed Heat-Inactivated
37225 Bovine Mature Serum Sterile Non-Hemolyzed
37226 Bovine Mature Serum Sterile Trace-Hemolyzed
37199 Bovine Blood/Serum/Plasma Miscellaneous

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.

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

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

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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

N/A

No ingredients are hazardous according to OSHA criteria.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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 4 NOTES: N/A

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA:

Suitable extinguishing media: Use dry chemical, CO₂, 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

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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:

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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.

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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 (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:

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:

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

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

SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Bovine Serum

SDS DATE: 29 Jun 2021

PREPARATION INFORMATION: N/A

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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.