

MATERIAL SAFETY DATA SHEET

Pig Whole Blood

MSDS DATE: January 20, 2015



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Pig Whole Blood

SYNONYMS: N/A

PRODUCT CODES: 39530 Pig Whole Blood Sodium Citrate
39531 Pig Whole Blood EDTA
39532 Pig Whole Blood Sodium Heparin

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

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

CHEMICAL NAME: Not applicable
CHEMICAL FAMILY: Not determined
CHEMICAL FORMULA: Not determined

PRODUCT USE: Research or further manufacturing only. Not for animal or human consumption
PREPARED BY: B. Crenshaw

SECTION 1 NOTES: N/A

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%(w/w)	Exposure Limits In Air-OSHA			
			PEL	STEL	IDLH	OTHER
			mg/m3	mg/m3	mg/m3	mg/m3

N/A = Not Available

SECTION 2 NOTES: N/A

SECTION 3: HAZARDS IDENTIFICATION

None of these components are considered to be hazardous chemicals per the definition in 29 CFR 1910.1200. All hazard information pertinent to these products has been provided in the Material Safety Data Sheet per requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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EMERGENCY OVERVIEW: May cause skin irritation and/or dermatitis

ROUTES OF ENTRY: Primary route: Skin

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation of the eyes

SKIN: May cause skin irritation and/or dermatitis

INGESTION: May be harmful if swallowed.

INHALATION: May cause irritation of respiratory tract

ACUTE HEALTH HAZARDS: Skin irritation and/or dermatitis

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

SECTION 3 NOTES: N/A

SECTION 4: FIRST AID MEASURES

EYES: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SKIN: Rinse immediately with plenty of water and seek medical advice.

INGESTION: Do not induce vomiting without medical advice.

INHALATION: Move to fresh air. Call a physician immediately.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: None

SECTION 4 NOTES: N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: Not Determined
(% BY VOLUME) LOWER: Not Determined

FLASH POINT:

F: Not Determined

C: Not Determined

METHOD USED: N/A

AUTOIGNITION TEMPERATURE:

F: Not Determined

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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

EXTINGUISHING MEDIA: Use dry chemical, CO2, water spray or "alcohol" foam

SPECIAL FIRE FIGHTING PROCEDURES: None known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

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

SECTION 5 NOTES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Prevent product from entering drains.

SECTION 6 NOTES: N/A

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:

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

SECTION 7 NOTES: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Ensure adequate ventilation.

VENTILATION: Ensure adequate ventilation.

RESPIRATORY PROTECTION: Dust mask

EYE PROTECTION: Safety Glasses

SKIN PROTECTION: PVC or nitrile disposable gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None.

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

EXPOSURE GUIDELINES: Not determined.

SECTION 8 NOTES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

ODOR:

PHYSICAL STATE:

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

SECTION 9 NOTES: N/A

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SECTION 10: STABILITY AND REACTIVITY

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

CONDITIONS TO AVOID (STABILITY): Exposure to air, moisture, or high temperatures over long periods

INCOMPATIBILITY (MATERIAL TO AVOID): Strong Oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.

HAZARDOUS POLYMERIZATION: None under normal processing

CONDITIONS TO AVOID (POLYMERIZATION): Not Determined

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No data is available for this product.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

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 13 NOTES:

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

SECTION 14 NOTES:

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 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION: N/A

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.