

Safety Data Sheet

Section 1 - Product and Company Information

Product Name: Streptavidin Purified
Product Form: Purified Protein
Product Code: S203

Relevant Identified Uses: For laboratory use

Company: Leinco Technologies, Inc.
410 Axminster Drive
St. Louis, Missouri 63026
Phone: 636-230-9477
Fax: 636-527-5545

Emergency Phone Number: 314-974-4113

Section 2- Hazards Identification

Classification: GHS-US Not classified
Label Elements: GHS-US Labeling not applicable
Other Hazards: None under normal conditions.
Unknown acute toxicity: No data available

Section 3- Composition/ Information on Ingredients

Substance: Not Applicable

Mixture: Purified protein Streptavidin is lyophilized under slight alkaline conditions from deionized water. The final lyophilized protein contains approximately 10% NaCl. Contains no hazardous ingredients at levels requiring disclosure by the OSHA Hazard Communication Standard (29 CFR 1910.1200)



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Section – 4 First Aid Measures

General: If exposed or concerned, get medical attention /advice. Show this safety data sheet to the attending doctor. Wash contaminated clothes prior to reuse. Never give anything to an unconscious person.

Oral Exposure: If swallowed, rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention/call poison control if you feel unwell.

Inhalation Exposure: If inhaled, remove to fresh air. If not breathing, administer CPR. If breathing becomes difficult, give oxygen. If discomfort persists, seek medical attention.

Dermal Exposure: In case of contact, wash skin with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If irritation persists, call a physician.

Eye Exposure: In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Remove contact lenses if present and easy to do so. Obtain medical attention if pain, blinking or redness persist.

Important symptoms and effects

General Symptoms: Not expected to present a significant hazard under anticipated conditions of normal use.

Inhalation: May cause respiratory irritation.

Dermal contact: May cause skin irritation.

Eye contact: May cause slight temporary irritation.

Ingestion: May cause gastrointestinal irritation

Indication of immediate medical attention needed:

No additional information available

Section – 5 Fire Fighting Measures



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Extinguishing Media:

Suitable: Water spray. Carbon dioxide, dry chemical powder or appropriate foam.
Unsuitable: None known

Special hazards arising from substance or mixture:

Fire Hazard: No data available.
Explosion Hazard: Product is not explosive noncombustible.
Reactivity: No dangerous reactions known under normal conditions of use.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Precautionary Measure: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section – 6 Accidental Release Measures

General Measures: No specific emergency measures are required other than good laboratory hygiene and safety practices.

Procedure to be Followed In Case of Leak or Spill: Cover released or spilled material with absorbent.

Procedures and Personal Precautions: Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust. Wear appropriate lab safety gear.

Methods for Cleaning Up: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Place in a suitable container for disposal in accordance with the waste regulation. Wash spill area thoroughly with plenty of soap and water.

Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.



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Section – 7 Handling and Storage

Handling: Do not handle until all safety precautions have been read and understood. Use appropriate personal protection equipment. Keep away from sources of ignition- No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving from work.

Storage: Suitable: Keep container tightly closed and sealed. Store in a dry, cool and well ventilated area. Avoid elevated temperatures

Storage Temperature: -20°C

Section 8-Exposure Controls/Personal Protection

Control parameters: No data available.

Exposure controls:

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. Personal Protective equipment: Gloves chemically resistant to this material when prolonged and repeated contact could occur. Protective goggles or safety glasses. Wear suitable clothing including long sleeves. Where excessive vapor, mist, or dust may result use appropriate respiratory protection equipment.

Section – 9 Physical/Chemical Properties

Physical State:	Powder
Appearance:	White Powder when lyophilized
Color:	White
Odor:	No data available.
Odor Threshold:	No data available.
pH:	3-12
Relative evaporation rate:	No data available.
Boiling Point:	No data available.
Melting Point:	No data available.



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Freezing Point: No data available.
Flash Point: No data available.
Auto-ignition temperature: No data available.
Decomposition Temperature: No data available.
Flammability: Not flammable.
Relative vapour density at 20°C: No data available.
Relative Density: No data available.
Solubility: Aqueous
Vapor Pressure: No data available.
Log Pow: No data available.
Log Kow: No data available.
Viscosity, kinematic: No data available.
Viscosity, dynamic: No data available.
Explosive properties: Product is not explosive.
Oxidizing properties: No data available.
Explosive limits: No data available.

Section – 10 Stability and Reactivity

Reactivity: No dangerous reactions known under normal conditions of use.

Chemical Stability: Stable under recommended handling and storage conditions.

Possibility of hazardous reactions: None known.

Conditions to avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: Nature of decomposition products not known.

Section – 11 Toxicological Information

Acute toxicity: Not classified
Skin corrosion/irritation: Not classified



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	pH: 3-12
Serious eye damage/irritation:	Not classified
	pH: 3-12
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
Specific target organ toxicity (Single exposure):	Not classified
Specific target organ toxicity (Repeated exposure):	Not classified
Aspiration hazard:	Not classified
Symptoms after inhalation:	May cause respiratory irritation
Symptoms after skin contact:	May cause skin irritation.
Symptoms after eye contact:	May cause eye irritation.
Symptoms after ingestion:	May cause gastrointestinal irritation.
Chronic symptoms:	No data available

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12-Ecological information

Section 13-Disposal conditions

Section 14-Transport information

Section 15- Regulatory information



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Section – 16 Other Information

Indication of changes: New SDS Format created
Effective date: 6/21/2018

Disclaimer: For Research Use Only. Not for drug, household, therapeutic diagnostic or other uses.

Warranty: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Leinco Technologies Inc. shall not be held liable for any damage resulting from handling or from contact with the above product. Copyright 2007 Leinco Technologies, Inc. License granted to make unlimited paper copies for internal use only.



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