

Material Safety Data Sheet

9025 Technology Dr. • Fishers, IN 46038-2886
800-387-0672 • 317-570-7020 • Fax 317-570-7034
email:info@bangslabs.com • www.bangslabs.com



Section 1: Chemical Product and Company Identification

Date Prepared: 12/02/2008
Product: **Streptavidin**
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition / Information on Ingredients

Streptavidin (*Streptomyces sp.*)

Section 3: Hazard Identification

Evaluation of this chemical is in compliance with OSHA regulations. Per Section 1910.1200 of Title 29 CFR, the chemical is not considered hazardous and does not require a material safety data sheet.

Routes of Entry: ingestion, inhalation, eye contact
Medical Conditions Aggravated by Exposure: There are no known effects from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate medical conditions.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Contact: No known effect on skin contact. Rinse with water for a few minutes.
Ingestion: Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing, such as a collar, ties, belt, or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Inhalation: Allow victim to rest in a well-ventilated area; seek immediate medical attention.

Section 5: Fire-Fighting Measures

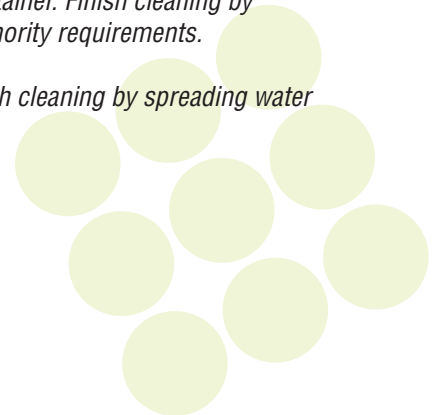
Extinguishing Media: small fire: dry chemicals, carbon dioxide, water spray, or foam; large fire: water spray, fog or foam. DO NOT use water jet.
Special Firefighting Procedures: none
Unusual Fire & Explosion Hazards: none

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

For small spills: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

For large spills: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.



Section 7: Handling and Storage

Handling: Wear appropriate NIOSH/MHSA approved respirator, chemical resistant gloves, safety goggles, and other protective clothing.

Storage: Keep container dry and tightly closed. Keep in a cool, well-ventilated area. Ground all equipment containing material. Combustible material should be stored away from extreme heat and strong oxidizing agents.

Section 8: Exposure Controls and Personal Protection

Wash / Hygienic Practices: Wash with soap and water when leaving work area and before eating, smoking, and using restroom facilities.

Section 9: Physical and Chemical Properties

Boiling Point: n/a
Melting Point: n/a
Specific Gravity: unknown
Solubility: 30%
Appearance & Odor: white powder; no odor

Section 10: Stability and Reactivity

Stability: combustible
Hazardous Combustion or Decomposition Products: No specific information is available in our database regarding the flammability of this product in the presence of various materials.

Section 11: Toxicological Information

no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

For small quantities, flush with water. For large quantities, incinerate in a furnace equipped with an afterburner and scrubber. Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

Section 14: Transport Information

no data

Section 15: Regulatory Information

no data

Section 16: Other Information

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END OF MSDS

