

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 04/16/2002
Product: **Biotin**
Supplier: Bangs Laboratories, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition, Information or Ingredients

EZ-LinkTM Sulfo-NHS-LC-Biotin

Section 3: Hazard Identification

Routes of Entry: ingestion, inhalation, eye contact
Effects: slightly hazardous in case of eye contact (irritant); non-irritant for skin; non-hazardous in case of ingestions; non-irritant for lungs
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

Eyes: Immediately flush eyes with water for 15 minutes, keeping eyelids open. Cold water may be used.
Skin: 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, tie, belt, or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Inhalation: Allow the victim to rest in a well ventilated area; seek immediate medical attention.

Section 5: Fire-Fighting Measures

Extinguishing Media: small fire - dry chemical 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

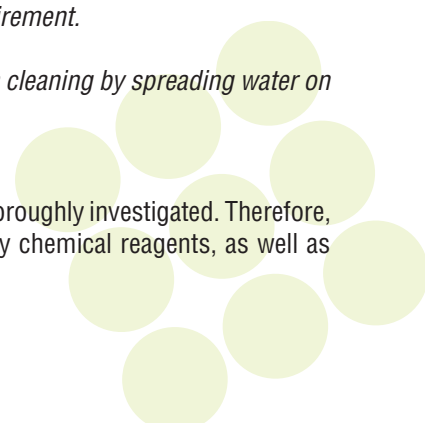
Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

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 requirement.

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

The chemical, physical, and toxicological properties of these products may not, as yet, have been thoroughly investigated. Therefore, we recommend the use of gloves, lab coats, and eye protection when working with these or any chemical reagents, as well as access to a safety shower and eyewash.



Section 8: Exposure Controls and Personal Protection

Respiratory Protection: None normally needed. See Section 7.
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: n/a
Solubility: partially soluble in cold water, hot water
Appearance & Odor: off-white solid powder

Section 10: Stability and Reactivity

Stability: stable
Incompatibilities: slightly reactive to reactive with water
Hazardous Decomposition Products: n/a
Hazardous Polymerization: will not occur

Section 11: Toxicological Information

no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

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

