

## MATERIAL SAFETY DATA SHEET

### SPHERATAX SPH (50 G)

Manufacturer:  
ADVANCED MICROBIOLOGICS LLC  
11146 NW 69<sup>th</sup> Place  
Parkland, Florida 33076  
Tel: (954) 345 9321  
Issue Date: February 22, 2009  
TSCA Status: Exempt  
Product Name: Spheratax SPH (50 G)  
Chemical Name: *Bacillus sphaericus*, Strain 2362, 5a5b  
Dot Classification: Not Regulated  
EPA Registration Number: 84268-2

### HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Name (CAS NO.)	OSHA PEL	ACGIH TLV
<i>Bacillus sphaericus</i> Serotype 5a5b Strain 2362 Mixture considered hazardous per OSHA Criteria	NL	NL

### PHYSICAL PROPERTIES:

Appearance: Tan Powder Potency: 50 BS ITU/mg.  
Solubility: N/A  
Boiling Point: N/A.  
pH: N/A  
Vapor Density: N/A  
Viscosity: N/A  
Melting Point: N/A  
Vapor Pressure: N/A  
Bulk Density: 25-35lbs/cubic foot

### FIRE AND EXPLOSION DATA:

Flash Point: N/A  
Extinguishing Media: Use appropriate media for cause of fire.  
Special Fire Fighting Procedures: Wear protective clothing and self-contained breathing apparatus.  
Unusual fire and explosion hazards: N/D

### REACTIVITY:

Incompatibility: Do not expose to solutions with high alkalinity.  
Hazardous Decomposition or Bi-products: N/D  
Conditions to Avoid: N/D

### HEALTH HAZARD INFORMATION:

Routes of Entry: Inhalation - No  
Skin - No  
Ingestion - No  
Oral Toxicity: N/D. The acute oral LD<sub>50</sub> in both male and female rats was > 5,000 mg/kg b.w. for the technical powder used in the formulation indicating that the material is non-toxic by ingestion in single doses.

Dermal Toxicity: N/D. The acute dermal LD<sub>50</sub> in both male and female rabbits was found to be > 5,000 mg/kg b.w. for the technical powder used in the formulation indicating that the material no more than slightly toxic by a single skin application.

Dermal and Eye Irritation: The product is considered to be mildly irritating to rabbit eye and/or skin.

Dermal Sensitization: Appropriate skin sensitization studies in guinea pigs have indicated that the product is a contact sensitizing agent.

Inhalation Toxicity: N/D. The LC<sub>50</sub> in four-hour inhalation studies in rats was >2.04 mg/L (actual) of air, the maximum attainable

concentration.

Corrosiveness: Non-corrosive.  
SPHERATAX SPH (50 G)

Carcinogenicity: NTP - NL  
IARC - NL  
OSHA - NL  
ACGIH - NL

Signs and Symptoms of Exposure: N/D

Medical Conditions Aggravated by Exposure: N/D. Pre-existing eye lesions or lung disease.

Emergency and First Aid Procedures: Remove individual to fresh air. Seek medical attention if there is difficulty in breathing. If skin or eye contact occurs flush with plenty of water. If irritation occurs, seek medical attention. No known antidote.

### SPECIAL HANDLING AND STORAGE:

Tightly reclose containers of unused materials. Do not contaminate water, food, or feed by storage or disposal. Store in a secure, cool, dry, well-ventilated room, building or covered area. Avoid temperatures above 85 degrees F.

### SPILL OR LEAK PROCEDURES:

Absorb spill with an inert material, such as clay, and place in a container for disposal.

### WASTE DISPOSAL:

Dispose of product in accordance with federal, state, and local regulations.

### ADDITIONAL REGULATORY INFORMATION:

Sara Title III Data:

### Section 311 and 312 Hazard Categories:

Immediate Health Hazard - None  
Delayed Health Hazard - None  
Fire Hazard - None  
Reactive Hazard - None  
Sudden Pressure Release Hazard - None

Section 302: Extremely Hazardous Substances - None

Section 313: Toxic Chemicals - None

CERCLA Reportable Quantity - Not Listed

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### Legend:

N/A = Not Applicable  
N/D = Not Determined  
N/L = Not Listed