

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION.

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing-gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Mixers I loaders and applicators not in enclosed cabs or aircraft must wear a dust I mist filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

DIRECTIONS FOR USE

It is a violation of Federal law to apply this product in a manner inconsistent with its labeling.

SPHERATAX SPH (50 G) is a highly selective microbial insecticide effective against mosquitoes in a variety of habitats. Apply SPHERATAX SPH (50 G) to any water sites except treated, finished water reservoirs or drinking water receptacles when the water is intended for human consumption. SPHERATAX SPH (50 G) can be applied to areas that contain aquatic life, fish and plants. SPHERATAX SPH (50 G) can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

APPLICATION DIRECTIONS

Mosquito species effectively controlled by SPHERATAX SPH (50 G).

- Aedes vexans*
- Anopheles quadrimaculatus*
- Coquillettia perturbans*
- Culex spp.*
- Ochlerotatus melanimon (Aedes melanimon)*
- Ochlerotatus nigromaculis (Aedes nigromaculis)*
- Ochlerotatus sollicitans (Aedes sollicitans)*
- Ochlerotatus stimulans (Aedes stimulans)*
- Ochlerotatus triseriatus (Aedes triseriatus)*
- Psorophora columbiae*
- Psorophora ferox*

For control of mosquito larvae from the list of affected species above in agricultural/non-crop sites where mosquito breeding occurs.

SPHERATAX SPH (50 G)



ACTIVE INGREDIENT:

Bacillus sphaericus, Serotype H5a5b, strain 2362*5.00%

OTHER INGREDIENTS:95.00%

TOTAL:100.00%

* Equivalent to 50 Bacillus Sphaericus International Toxic Units (BS ITU) per mg of product (0.023 billion BS ITU per lb of product). Potency units should not be used to adjust rates beyond those specified in the Directions for Use Section. Note: The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

- | | |
|-------------------|---|
| If in eyes | <ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice. |
|-------------------|---|

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.

EPA Reg. No.: 84268-2

EPA Establishment No.: 9198-OH-1

Manufactured for:

ADVANCED MICROBIOLOGICS, LLC
1801 North Gale Road
Mitchell, SD 57301

Net Contents: 40 Lbs. / 18.14 Kgs

Batch Code:

Habitats

Wastewater:

Sewage effluent, sewage lagoons, oxidation ponds, septic ditches, animal waste lagoons, impounded wastewater associated with fruit and vegetable processing.

Storm Water/Drainage Systems:

Storm sewers, catch basins, drainage ditches, retention, detention, and seepage ponds.

Marine/Coastal Areas:

Salt marshes, mangroves, estuaries.

Water Bodies:

Natural and man-made aquatic sites such as lakes, ponds rivers, canals, and streams.

Dormant Rice Fields:

Impounded water in dormant rice fields. (For application only during the interval between harvest and preparation of the field for the next cropping cycle.)

Use higher rates (10 - 20 lbs / acre) in areas where extended residual control is necessary, or in habitats having deep water or dense surface cover. Apply uniformly by aerial and conventional ground equipment. Reapply as needed after 1-4 weeks. Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential spray drift. The applicator and treatment coordinator are responsible for considering all these factors when making decisions.

STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Then offer for recycling if available, or dispose of empty bag in a sanitary landfill or by incineration. Do not burn unless allowed by state and local ordinances. If outside container is contaminated, dispose of in the same manner as the bag.

NOTICE TO USER

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use; storage or handling not in strict accordance with label instructions.

Rate/Acre

5.0 - 20lbs

5.0 - 20 lbs

5.0 -20 lbs

5.0 -20 lbs

5.0-20lbs

MATERIAL SAFETY DATA SHEET

SPHERATAX SPH (50 G)

Manufacturer:
ADVANCED MICROBIOLOGICS LLC
1801 N. Gale Road
Mitchell, SD 57301
Tel: (954) 345 9321
Issue Date: April 8, 2009 (Supersedes: 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 <u>PEL</u>	ACGIH <u>TLV</u>
<i>Bacillus sphaericus</i>		
Serotype 5a5b		
Strain 2362		
Mixture considered hazardous per		
OSHA Criteria	<u>NL</u>	<u>NL</u>

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 LD₅₀ 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 LD₅₀ 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 LC₅₀ 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

The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or products referred to herein. NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.

Legend:

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