

BIOLOGICAL LARVICIDE GRANULE



Water Soluble Pouch

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: 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.

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.: 33967-NJ-1

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.

**ENVIRONMENTAL HAZARDS:** Do not contaminate water when disposing of equipment wash-waters 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. Once the foil bag containing the Water Soluble Pouches is opened, use pouches within one day. SPHERATAX® SPH (50 G) WSP is a highly selective microbial, insecticide effective against mosquitoes in a variety of habitats. Apply SPHERATAX® SPH (50 G) WSP 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) WSP can be applied to areas that contain aquatic life, fish and plants. SPHERATAX® SPH (50 G) WSP can be applied to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

Manufactured for:  
ADVANCED MICROBIOLOGICS, LLC  
1801 North Gale Road  
Mitchell, SD 57301

APPLICATION DIRECTIONS

Mosquito species effectively controlled by SPHERATAX® SPH (50 G) WSP:

- Aedes vexans*, *Anopheles quadrimaculatus*, *Cornuella perturbans*, *Culex* spp., *Ochlerotatus melanion* (*Aedes melanion*), *Ochlerotatus nigromaculis* (*Aedes nigromaculis*), *Ochlerotatus sollicitans* (*Aedes sollicitans*), *Ochlerotatus stimulans* (*Aedes stimulans*), *Ochlerotatus triseriatus* (*Aedes triseriatus*), *Psephenophora columbica*, *Psephenophora terox*

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

Habitats	Rate
<b>Storm Water/Drainage Systems:</b> Storm sewers, storm drains, catch basins, drainage ditches, retention (detention, seepage) ponds, roadside ditches, irrigation ditches, floodwater, ponds, standing water, unused and abandoned swimming pools or spas, water gardens, flooded basements, yards, birdbaths, gutters and drains, rippled trees, tree holes, pool covers, rain barrels, fountains, wheelbarrows, livestock watering ponds, troughs and tanks, flower pots and planters, garage cans and covers, snowmelt pools, discarded tires.	1 pouch per 50 sq. ft.†

Apply SPHERATAX® SPH (50 G) WSP to any water sites location where water accumulates and remains standing for periods of time except treated, finished water reservoirs or drinking water receptacles when the water is intended for human consumption.

†Treat on the basis of surface area of the potential mosquito breeding sites by placing one SPHERATAX® SPH (50 G) WSP water soluble pouch for up to 50 square feet of treatment area. Reapply as needed after 1-4 weeks.

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:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

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.

Net Contents:

40 x 10 grams (.88 lbs.)

# Safety Data Sheet – Spheratax SPH (50 G) WSP

## Section I: Identification

### Product Identification

Trade Name: Spheratax SPH (50 G) WSP  
EPA Reg. No. 84268-2

### Recommended Use of the Chemical and Restriction on Use

For use against mosquitoes in a variety of habitats This product may be applied to any water sites except treated, finished water reservoirs or drinking water receptacles when the water is intended for human consumption. This product may also be applied to areas that container aquatic life, fish and plants, and to areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife.

### Manufacturer Details

Advanced Microbiologics, LLC  
1801 North Gale Road  
Mitchell, SD 57301 U.S.A.

### Emergency Phone Numbers

Within the U.S.A.: 954.345.9321  
Outside the U.S.A.: +1.954.345.9321

## Section II: Hazards Identification

### Other Hazards

#### Emergency Overview:

Product is non-toxic by ingestion, skin contact or inhalation. Direct contact with eyes or skin may cause mild irritation.

#### Route(s) of Entry:

Skin: No

Inhalation: No

Ingestion: No

Eye Contact: Mildly irritating to rabbit eyes.

Skin Contact: Mildly irritating to rabbit skin.

Skin Sensitization: Sensitization agent.

Target Organs: ND

#### Signs and Symptoms of Exposure:

Direct contact with eyes or skin may cause mild irritation.

See Section XI: Toxicological Information for more information.

## Section III: Composition/Information on Ingredients

### Substance

Chemical Name	CAS/EC No.	Percentage
<i>Bacillus sphaericus</i> 2362, Serotype H5z5b, Strain AML614*	NA	4.75-5.25

\*Equivalent to 50 *Bacillus sphaericus* International Toxic Units (BS ITU) per mg of product (0.023 billion BS ITU per lb. of product).

See Section XV: Regulatory Information for more information.

## Section IV: First Aid Measures

### Description of First Aid Measures

#### Eye Contact:

Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Skin Contact:**

Remove from source of exposure. Flush with copious amounts of water. If irritation persists or signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Ingestion:**

Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

**Inhalation:**

Remove from source of exposure. If signs of toxicity occur, seek medical attention. Provide symptomatic/supportive care as necessary.

## Section V: Fire-Fighting Measures

**Suitable Extinguishing Media**

Use appropriate medium for underlying cause of fire.

**Specific Hazards Arising from the Chemical**

ND

**Special Protective Equipment and Precautions for Fire-Fighters**

Wear protective clothing and self-contained breathing apparatus.

## Section VI: Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures**

ND

**Environmental Precautions**

ND

**Methods and Materials for Containment and Cleaning Up**

Recover product. Place into appropriate container for disposal. Avoid dust. Ventilate and wash spill area.

See Section VIII: Exposure Controls/Personal Protection and Section XIII: Disposal Considerations for more information.

## Section VII: Handling and Storage

**Precautions for Safe Handling**

Wear impervious gloves and clothing to minimize skin contact. Wash thoroughly with soap and water after handling. If necessary, use safety glasses or goggles.

**Conditions for Safe 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 location. Avoid temperatures above 85°F/29°C.

## Section VIII: Exposure Controls/Personal Protection

**Control Parameters**

See Personal Protective Equipment below for more information.

**Engineering Controls**

Use local exhaust.

**Personal Protective Equipment**

Wear impervious gloves and clothing to minimize skin contact. Wash thoroughly with soap and water after handling. If necessary, use safety glasses or goggles. While not usually required, mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist respirator meeting NIOSH standards of at least N-95, R-95 or P-95.

## Section IX: Physical and Chemical Properties

<b>Physical State:</b>	Light Tan Powder	<b>Vapor Density:</b>	NA
<b>Odor:</b>	Mild, acidic fermentation	<b>Relative Density:</b>	NA
<b>Odor Threshold:</b>	ND	<b>Solubility:</b>	NA

pH:	6.8-7.0 (aq. sol.)	Partition Coefficient (n-octanol/water):	ND
Melting Point/Freezing Point:	NA	Auto-Ignition Temperature:	ND
Initial Boiling Point and Range:	NA	Decomposition Temperature:	ND
Flash Point:	NA	Viscosity:	NA
Evaporation Rate:	ND	Explosion Hazard:	Not explosive
Flammability (solid, gas):	Non-flammable	Oxidizing Properties:	NA
Upper/Lower Flammability or Explosive Limits:	No explosive properties	Bulk Density:	25-30 lbs./ft. <sup>3</sup>
Vapor Pressure:	NA		

## Section X: Stability and Reactivity

### Reactivity

Hazardous polymerization will not occur.

### Chemical Stability

Stable

### Possibility of Hazardous Reactions

None

### Conditions to Avoid

High temperatures and alkaline environments.

### Incompatible Materials

Alkaline environment may denature the active ingredient.

### Hazardous Decomposition Products

ND

## Section XI: Toxicological Information

### Toxicological Data

#### Acute Toxicity

Oral LD<sub>50</sub>: LD<sub>50</sub> (rat) >5,000 mg/kg

Dermal LD<sub>50</sub>: LD<sub>50</sub> (rabbit) > 2,000 mg/kg

Inhalation LC<sub>50</sub>: The LC<sub>50</sub> in 4-hour inhalation studies in rat was >2.04 mg/L (actual) of air, the maximum attainable concentration.

**Dermal and Eye Irritation:** Mildly irritating to rabbit eyes and skin.

**Dermal Sensitization:** The product is a contact sensitizing agent in guinea pig studies.

**Corrosiveness:** Non-corrosive

### Carcinogenicity Information

NTP	IARC	OSHA	ACGIH
NL	NL	NL	NL

## Section XII: Ecological Information

### Ecotoxicity

ND

### Persistence and Degradability:

ND

## Section XIII: Disposal Considerations

### Disposal Methods

Dispose of product in accordance with Federal, state and local regulations. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of the empty outer foil pouch in the trash as long as WSP is unbroken.

## Section XIV: Transport Information

Not regulated for land, water or air transportation.

## Section XV: Regulatory Information

TSCA Status: Exempt

CERCLA Status: ND

CERCLA Reportable Quantity: NL

SARA Status: ND

### SARA Title III Data

#### Sections 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

RCRA Status: ND

California Proposition 65: NL

### FIFRA Section 3 Information

KEEP OUT OF REACH OF CHILDREN

CAUTION

#### 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.

## Section XVI: Other Information

Clarification of Abbreviations: NA = Not Applicable

ND = Not Determined

NL = Not Listed

### Revision History:

**May 26, 2015** – SDS was issued in compliance with U.S.A.'s adoption of the Globally Harmonized System of Classification and the associated regulations as defined by the Occupational Safety and Health Administration (OSHA).

**January 2015 (Superseded)** – MSDS was issued to update the format.

**April 8, 2009 (Superseded)**

**February 22, 2009 (Superseded)** – Initial issuance.

**Disclaimer:** The information and statements herein are believed to be reliable but are not to be construed as warranty or representation for which we assume no legal responsibility. Users should undertake sufficient verification and testing to determine the suitability for their particular purpose of any information or product referred to herein.

NO WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE IS MADE.