



## Specimen Label

# Sustained Release 90 Day Microbial Briquets

### ACTIVE INGREDIENTS:

* <i>Bacillus sphaericus</i> 2362, Serotype H5a5b, Strain AML614 .....	6.00%
fermentation solids, spores and insecticidal toxins	
** <i>Bacillus thuringiensis</i> subspecies <i>israelensis</i> Strain BMP 144 .....	1.00%
fermentation solids, spores and insecticidal toxins	

<b>OTHER INGREDIENTS:</b> .....	93.00%
<b>TOTAL:</b> .....	100.00%

\* Equivalent to \*60 Bs ITU/mg and \*\*70 ITU/mg respectively. The percent active ingredient does not indicate product performance and potency measurements are not federally standardized.

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS – CAUTION:

Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### ENVIRONMENTAL HAZARDS:

Do not apply to treated, finished drinking water reservoirs or drinking water receptacles when the water is intended for human consumption.

FIRST AID	
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth if possible.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing eyes.</li> <li>• Call poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.	

### DIRECTIONS FOR USE

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

### APPLICATION DIRECTIONS

**FourStar® Briquets** are a highly selective microbial insecticide effective against mosquitoes in a variety of habitats for up to 90 days or more. **FourStar® Briquets** release effective levels of *Bacillus sphaericus* and *Bacillus thuringiensis* subspecies *israelensis* to the water surface over time as the briquet dissolves.

### APPLICATION SITES

**FourStar® Briquets** can be applied to areas that contain aquatic life, fish and plants, as well as areas used by or in contact with humans, animals, horses, livestock, pets, birds or wildlife. Examples of application sites include, but are not limited to: storm drains, catch basins, underground drainage systems, storm water retention areas, retention ponds, abandoned swimming pools, ornamental fountains and ponds, fish ponds, water gardens, animal drinking troughs, standing water, water holding receptacles, man-made and natural sites where mosquitoes may develop.

### APPLICATION RATES

For control of mosquito larvae, place one (1) briquet in sites up to 100 square feet of surface area. For large sites, apply 1 additional briquet for each additional 100 square feet of water surface, regardless of water depth. When mosquito populations are high, water is heavily polluted, and/or algae are abundant, double the above application rate.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place.

**Pesticide Disposal:** Wastes resulting from 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 empty carton or packaging material. Offer for recycling if available or crush and discard carton in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### NOTICE TO USER

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.

Always read the label before using this product.

For product information, call 1-800-248-7763 or visit our web site:

[www.fourstarmicrobials.com](http://www.fourstarmicrobials.com)



Manufactured for: B2E Microbials LLC  
DBA FourStar Microbials LLC  
1501 East Woodfield Road, #200W  
Schaumburg, Illinois, 60173 U.S.A.

FourStar and the FourStar design are trademarks of B2E Microbials LLC | Made in USA

EPA Reg. No. 83362-3 | EPA Est. No. 86684-OR-1  
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# MATERIAL SAFETY DATA SHEET

## FourStar™ Briquets 90

### 1. CHEMICAL PRODUCT and COMPANY INFORMATION

**Product Name:** FourStar™ Briquets 90  
**EPA Registration Number:** 83362-3  
**Date Issued:** July 3, 2009  
**Manufacturer:** FourStar Microbials LLC  
**Address:** 3330 Noyac Road, Bldg. E, Sag Harbor, NY 11963  
**Emergency Phone:** 800-255-3924 (ChemTel, Inc.)  
**Transportation Emergency Phone:** 800-255-3924 (ChemTel, Inc.)  
**For Additional Information Phone:** 877-264-6655

### 2. COMPOSITION / INFORMATION on INGREDIENTS

Ingredient Name:	<i>Bacillus sphaericus</i> Serotype H5a5b, strain 2362	<i>Bacillus thuringiensis</i> subsp. <i>israelensis</i> , strain BMP 144	Other Ingredients (trade secret)
<b>Concentration:</b>	6.0%	1.0%	93%
<b>CAS Number:</b>	N/A	N/A	N/A
<b>OSHA PEL:</b>	N/L	N/L	N/L
<b>ACGIH TLV:</b>	N/L	N/L	N/L

### 3. HAZARDS INFORMATION

**EMERGENCY OVERVIEW:** Harmful if absorbed through the skin. Causes moderate eye irritation. Prolonged or frequently repeated exposure may cause allergic reactions in some individuals.

**Route(s) of Entry:** Skin – No    Inhalation – No    Ingestion - No

**Skin Contact:** Non-irritant

**Skin Sensitization:** Prolonged or frequently repeated exposure may cause allergic reactions in some individuals.

**Eye Contact:** Causes moderate eye irritation

**Target Organs:** N/D

**Carcinogenicity Rating:** NTP: N/L    IARC: N/L    OSHA: N/L    ACGIH: N/L

**Signs and Symptoms:** Direct contact with eyes or skin may cause mild irritation.

**Medical Conditions Aggravated by Exposure:** N/D

### 4. FIRST AID MEASURES

**Eyes:** 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:** 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.

## 5. FIRE FIGHTING MEASURES

<b>NFPA Rating:</b>	<b>Health: 0    Fire: 0    Reactivity: 0</b>
<b>Flammability Class:</b>	N/A
<b>Flash Point</b>	N/D
<b>Explosive Limits:</b>	N/D
<b>Extinguishing Media:</b>	Use appropriate media for cause of fire
<b>Fire Fighting Procedures:</b>	Firefighters should wear protective clothing and self contained breathing apparatus.
<b>Fire and Explosion Hazards:</b>	Non-flammable and Non-explosive

## 6. ACCIDENTAL RELEASE MEASURES

<b>Steps to be taken:</b>	Recover material and place in suitable container for disposal. All clean up and disposal should be carried out in accordance with federal, state and local regulations. If required, state and local authorities should be notified.
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## 7. HANDLING and STORAGE

<b>Handling:</b>	N/D
<b>Storage:</b>	Do not contaminate potable water, food or feed. Store in a secure, cool, dry, well ventilated room, building or covered area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Exposure Limits:</b>	N/A
<b>Ventilation:</b>	Use with adequate ventilation.
<b>Personal Protective Equipment:</b>	Under ordinary use conditions, no special protection is required. If prolonged exposure is expected, it is recommended to wear impervious gloves, clothing to minimize skin contact and safety glasses with side shields. Wash thoroughly with soap and water after handling.

## 9. PHYSICAL and CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Solid briquet, light tan in color
<b>Odor</b>	Mild
<b>Boiling Point:</b>	N/A
<b>Melting/Freezing Point:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Specific Gravity:</b>	N/D
<b>Bulk Density:</b>	0.82 gram/cubic centimeter
<b>Solubility:</b>	N/A
<b>pH:</b>	N/A
<b>Viscosity:</b>	N/A

## 10. STABILITY and REACTIVITY

<b>Stability:</b>	Stable
<b>Reactivity:</b>	Non-reactive
<b>Incompatibilities:</b>	Alkalinity inactivates product
<b>Decomposition Products:</b>	N/D
<b>Hazardous Polymerization:</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY

<b>Oral Toxicity:</b>	N/D. LD50 (rat) > 5,000 mg/kg for active ingredients.
<b>Dermal Toxicity:</b>	N/D. LD50 (rabbit) > 5,000 mg/kg for active ingredients.
<b>Dermal and Eye Irritation:</b>	N/D
<b>Dermal Sensitization:</b>	N/D
<b>Inhalation Toxicity:</b>	N/D
<b>Corrosiveness:</b>	Non-corrosive
<b>Carcinogenicity:</b>	N/D. None of the components are classified as carcinogens.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL INFORMATION:** N/D

## 13. DISPOSAL CONSIDERATIONS

Do not contaminate potable water, food or feed. Dispose of product in accordance with federal, state and local regulations.

**Pesticide Disposal:** Wastes resulting from the use of the product may be disposed of on site or at an approved waste disposal facility. **Container Disposal:** Do not reuse empty carton or packaging material. Perforate or crush and discard carton in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 14. TRANSPORT INFORMATION

<b>DOT Classification:</b>	Not regulated
<b>IMO Classification:</b>	Not regulated
<b>IATA Classification:</b>	Not regulated

## 15. REGULATORY INFORMATION

<b>TSCA Status:</b>	Exempt
<b>CERCLA Status:</b>	N/D
<b>SARA Status:</b>	N/D
<b>RCRA Status:</b>	N/D
<b>Prop 65 (CA):</b>	N/D

## 16. OTHER INFORMATION

### Disclaimer

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond our control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume full responsibility for loss, injury and expense arising out of product's improper use. No warranty, expressed or inferred, regarding the product described in this MSDS shall be created or inferred by any statement in this MSDS. Various government agencies may have specific regulations regarding the transportation, handling, storage use or disposal of this product that may not be covered in this MSDS. The user is responsible for full compliance.

### Legend:

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