

# MATERIAL SAFETY DATA SHEET

## FourStar™ Briquets 180

### 1. CHEMICAL PRODUCT and COMPANY INFORMATION

**Product Name:** FourStar™ Briquets 180  
**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