

MATERIAL SAFETY DATA SHEET

FourStar® SBG

1. CHEMICAL PRODUCT and COMPANY INFORMATION

Product Name: FourStar® Single Brood Granules (SBG)
EPA Registration Number: 85685-1
Date Issued: April 2, 2012
Manufacturer: FourStar Microbial Products LLC
Address: 3330 Noyac Road, 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 thuringiensis</i> subspecies <i>israelensis</i>	Other Ingredients (trade secret and non-hazardous)
Concentration:	2.15%	97.85%
CAS Number:	68038-71-1 / N/A	N/A
OSHA PEL:	N/L	N/L
ACGIH TLV:	N/L	N/L

3. HAZARDS INFORMATION

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

Skin Contact: Non-irritant

Skin Sensitization: N/D

Eye Contact: Non-irritant

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: Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, and then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

Skin: Remove contaminated clothing. Rinse skin with plenty of fresh water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment advice.

Ingestion: If signs of toxicity occur, call a poison control center or doctor for treatment advice.

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken:	Recover product and place in suitable disposal container. 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

Handling:	N/D
Storage:	Tightly reclose bags of unused product. Do not contaminate potable water, food or feed. Store in a secure, cool, dry, well ventilated room, building or covered area. Avoid prolonged storage temperatures above 75 degrees F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:	N/A
Ventilation:	Use with adequate ventilation.
Respiratory Protection:	Not usually required. However, mixers/loaders and applicators not in enclosed cabs or aircraft must wear a dust/mist filtering respirator meeting NIOSH standards of at least N-95, R-95 or P-95.
Skin Protection:	Impervious gloves, clothing to minimize skin contact.
Eye Protection:	Not usually required. If necessary, use safety glasses or goggles.
Other Protection:	Wash thoroughly with soap and water after handling.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance/Physical State:	Granule, tan in color
Odor	Mild
Boiling Point:	N/A
Melting/Freezing Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Specific Gravity:	N/D
Bulk Density:	86.5 pounds/cubic foot / 1.385 gram/cubic centimeter
Solubility:	Not soluble in water
pH:	N/A
Viscosity:	N/A

10. STABILITY and REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Oral Toxicity:	LD50 (rat) > 5,000 mg/kg
Dermal Toxicity:	LD50 (rabbit) > 2,000 mg/kg
Dermal and Eye Irritation:	Product is considered to be non-irritating to rabbit eye and/or skin.
Dermal Sensitization:	Product is considered to be non-sensitizing in guinea pigs.
Inhalation Toxicity:	N/D. No lethality was observed in rats after 4 hr. exposure at the highest obtainable inhalation exposure chamber concentration (25.1 mg/l).
Corrosiveness:	Non-corrosive
Carcinogenicity:	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:** Completely empty bag into application equipment. Then dispose of empty bag 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

DOT Classification:	Not regulated
IMO Classification:	Not regulated
IATA Classification:	Not regulated

15. REGULATORY INFORMATION

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