

Jabb of the Carolinas, Inc.

SAFETY DATA SHEET

SECTION 1: PRODUCT and COMPANY IDENTIFICATION

Product Name: : EndoShield ST

Date Prepared: November 11, 2022

Date Revised:

Distributed by: JABB of the Carolinas, Inc.
302 East Brown Street
Pine Level, NC 27568-0310

Manufactured by: JABB of the Carolinas, Inc.
302 East Brown Street
Pine Level, NC 27568-0310

For Health Safety Emergency Only, Call CHEM-TEL, Inc.: 1-800-255-3924
Other Information Calls: 919-965-9007

General Use: Biological seed treatment.

SECTION 2: HAZARDS IDENTIFICATION



Potential Health Effects: **WARNING:** May cause moderate eye irritation. May cause skin irritation. Avoid contact with skin, eyes or clothing. 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Concentration (w/w)	CAS Number
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%

Active Ingredient (non-hazardous):

Beauveria bassiana (1 x 10 ⁸ cfu/ml)	1%	Mixture
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SECTION 4: FIRST AID

Eye Contact:	Eye contact may cause mild irritation. Avoid eye contact. If contacted, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. If irritation persists, seek medical attention.
Skin Contact:	Wash skin immediately and thoroughly with soap and water for 15-20 minutes after contact. Take off contaminated clothing.
Inhalation:	No apparent hazard with normal use. Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point:	340° F minimum
Autoignition Temperature:	Not applicable
LEL:	Not applicable
UEL:	Not applicable

Flammability Classification: Not applicable.

Extinguishing Media: Water, CO₂, dry chemical, foam

Hazardous Combustion Products: Carbon dioxide, carbon monoxide.

Unusual Fire or Explosion Hazards: None.

Fire-Fighting Instructions/Equipment: Wear NIOSH/HSHA respiratory protection for vapors and particulates.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Use recommended personal protective equipment (see Section 8).

Remove persons not wearing protective clothing from spill area. Contain and ventilate spill area. Avoid contamination of streams and sewers. Absorb onto clay or other absorbent material.

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Waterproof gloves;
- Shoes and socks.
- Protective eyewear such as goggles, face shield, or shielded safety glasses
- Mixers/loaders and applicators must wear a dust/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. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.
- Wash hands before eating, drinking, chewing gum, using tobacco or using toilet. Remove clothing immediately if product gets inside, then clean thoroughly and put on clean clothing.

Storage Requirements: Store in a cool, dry place in original container and out of direct sunlight. Do not store at temperatures exceeding 80°F (27°C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye/Face Protection: Goggles, safety glasses or other equivalent protective gear.

Skin Protection: Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves made of any waterproof material; and shoes and socks.

Respiratory Protection: Mixers/loaders and applicators must wear a dust/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

Engineering Controls: Do not use a fungicide prior to application of this product. Do not apply this product through any type of irrigation system.

Administrative Controls: Use this product only as specified on the label.

Other Precautions: Do not contaminate water by cleaning of equipment or disposal of equipment wash-waters. Do not discharge into lakes, streams, ponds, or public waterways. Wear approved dust/mist mask while spraying.

Other Information: None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State: white liquid

Odor: Citrus

Odor Threshold (ppm): Not applicable

pH: Not applicable
Melting Point: Not applicable
Boiling Point: Unknown
Flash Point: 340° F minimum
Evaporation Rate (Butyl Acetate = 1): <1
Flammability (solid, gas): Solid, nonflammable; Air, not available
LEL: Not applicable
UEL: Not applicable
Vapor Pressure at 20°C: Not available
Vapor Density (Air = 1): >1
Specific Gravity (Water = 1) .96
Solubility in Water: Not available
Coefficient of Water/Oil solubility: Not applicable
Autoignition temperature: Not applicable
Decomposition temperature: Not applicable
% Volatiles by volume: <10%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to Avoid: Heat, strong acids and strong bases
Chemicals to Avoid: Strong acids and strong bases
Hazardous Decomposition Products: Carbon monoxide and/or carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects

Inhalation: Non-hazardous. Avoid breathing vapors. Move person to fresh air.
Skin: May cause skin irritation. Avoid contact with skin & clothing. Wash thoroughly with soap and water. Get medical attention if irritation occurs and persists.
Eyes: May cause moderate eye irritation. Avoid contact. Flush thoroughly with water. If irritation occurs and persists, contact physician.

Chronic Effects

Eyes: Not determined
Skin: Not determined
Ingestion: Not determined
Inhalation: Not determined
Carcinogenicity: Not applicable
Target Organ Effects: Not applicable
Medical Conditions Aggravated by Long-term Exposure: None presently known

SECTION 12: ECOLOGICAL INFORMATION

Do not apply directly to water, to areas where surface water is present or to intertidal areas below mean water mark. Do not contaminate surface water by disposal of equipment wash waters.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry place in original container and out of direct sunlight. Do not store at temperatures exceeding 80°F (27°C).

Container Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure 2 more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.

SECTION 14: TRANSPORT INFORMATION

UN Number: None

UN Proper Shipping Name: Non-hazardous additive compound

Transport Hazard Class(es): Non-hazardous additive compound

Packing group, if applicable: NA

Marine Pollutant: No

SECTION 15: REGULATORY INFORMATION

None

SECTION 16: OTHER INFORMATION

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, Jabb of the Carolinas, Inc makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will Jabb of the Carolinas, Inc be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.