



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING

**Trade Name:**

**Manage™ Microbial Inoculant**

**Product Use**

Microbial Inoculant to Encourage Nutrient Cycling, Root Architecture and Soil Structure

**Manufacturer**

Pathway Biologic, LLC  
111 E. Tever Street, Plant City, FL 33563-2417 USA  
(813) 719-7284

**Emergency telephone**

(813) 719-7284  
Pathway Biologic, LLC, Plant City, FL 33563

## 2. HAZARDS IDENTIFICATION

**Classification:** Per OSHA Hazardous Chemical 29 CFR1910.1200, not classified as hazardous  
**Label Elements-GHS-US Labeling:** No labeling applicable  
**Hazard Statement:** Moderately irritating to eyes  
**GHS:** 3002.90.5150

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	Percentage
Bacillus licheniformis	N/A	<8 %
Bacillus subtilis	N/A	<8 %
Bacillus methylotrophicus	N/A	<8 %
Bacillus amyloliquefaciens	N/A	<8 %
Water Based Culture Medium	7732-18-5	92 %

## 4. FIRST AID MEASURES

**Inhalation:** Consult a physician if problems occur  
**Skin:** Wash hands after use. If irritation occurs / persists, consult a physician  
**Eyes:** Flush eyes with cool water and consult a physician  
**Ingestion:** Rinse mouth / consult a physician

## 5. FIRE FIGHTING MEASURES

**Flash Point:** Not Flammable  
**Auto Ignition Temperature:** Not applicable  
**Flammable Limits:** Not Flammable  
**Extinguishing Media:** Use appropriate media for underlying cause (product not flammable)  
**Special Fire Fighting Procedures:** Wear self-contained breathing apparatus  
**Unusual Fire and Explosion Hazards:** None

## 6. ACCIDENTAL RELEASE MEASURES

**Spill Procedures:** Contain spill, absorb liquid with clay or other absorbent material. Sweep up and discard according to protocol below.

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## 7. HANDLING & STORAGE

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**Handling:** Do not taste or swallow. Avoid contact with eyes.  
**Storage:** Store in original container tightly closed. Store in a cool, dry place.  
**Storage Temperatures:** Avoid excessive heat and direct sunlight.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Ventilation:** Under normal conditions, none required. If drift occurs, wear breathing apparatus  
**Gloves:** May be worn by individuals with sensitive skin  
**Eyes:** Under normal conditions, none required. If potential for drift exists, wear goggles  
**Clothing:** Wear pants, shirt, shoes and socks  
**Exposure Limit:** No OSHA TLV

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance and Color:** Dark or gray colored (powder)  
**Odor:** Characteristic fermentation odor  
**Odor threshold:** N/A  
**pH:** 6-7  
**Melting point/freezing point:** N/A  
**Initial boiling point/range:** 212°F (if liquid)  
**Flash Point:** N/A  
**Evaporation rate:** N/A  
**Flammability (solid/gas):** N/A  
**Upper/lower flammability:** N/A  
**Vapor Pressure:** N/A  
**Vapor density:** N/A  
**Density:** 1.1 ± 0.02 g/mL  
**Solubility in Water:** Partial forms of suspension  
**Partition Coefficient:** N/A  
**Auto-ignition Temperature:** N/A  
**Decomposition Temperature:** N/A  
**Viscosity:** N/A

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## 10. STABILITY & REACTIVITY

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**Hazardous Decomposition Product:** None  
**Incompatibility:** Strong acid & alkali, organic solvents and oxidizing agents  
**Stability:** Stable under normal conditions. Must be kept dry.  
**Hazardous Polymerization:** None

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## 11. TOXICOLOGICAL INFORMATION

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No components of this product are listed as carcinogenic by NTP, IARC, or OSHA

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## 12. ECOLOGICAL INFORMATION

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**Environmental Precautions:** This product is bio-degradable. Dispose of this product by diluting it with water and apply to soil, plants, turf, etc.

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## 13 DISPOSAL CONSIDERATIONS

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**Disposal:** In accordance with Federal, State and Local bacteria protocol

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## 14. TRANSPORT INFORMATION

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Non-hazardous

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## 15. REGULATORY INFORMATION

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Not Applicable

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## 16. OTHER RELEVANT INFORMATION

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