

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 %
Humic Acid	68514-28-3	2%
Kelp	68844-77-9	2%
Water Based Culture Medium	7732-18-5	88 %

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

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY & REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

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

13 DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION

Non-hazardous

15. REGULATORY INFORMATION

Not Applicable

16. OTHER RELEVANT INFORMATION

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