SAFETY DATA SHEET

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

Trade Name: PowerPac™ 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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bacillus subtilis</td>
<td>N/A</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Bacillus licheniformis</td>
<td>N/A</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Bacillus methylotrophicus</td>
<td>N/A</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Bacillus amyloliquefaciens</td>
<td>N/A</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Bacillus laterosporus</td>
<td>N/A</td>
<td>&lt;10 %</td>
</tr>
<tr>
<td>Humic Acid</td>
<td>68514-28-3</td>
<td>4 %</td>
</tr>
<tr>
<td>Kelp</td>
<td>68844-77-9</td>
<td>4 %</td>
</tr>
<tr>
<td>Water Based Culture Medium</td>
<td>7732-18-5</td>
<td>82 %</td>
</tr>
</tbody>
</table>

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: Tan or dark 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: 1.12 ± 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

Date of Revision: 2018-01-22

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