MATERIAL SAFETY DATA SHEET

Lentinula edodes Mycelial Biomass Powder

I.  IDENTITY

Product Identity: Shi-Gen®, Shiitake, Lentinula edodes
General Use: Food Supplement
Product Description: Powdered Lentinula edodes mushroom mycelia biomass in grain substrate.
Manufacturer: Gourmet Mushrooms, Inc.

II.  HAZARDOUS COMPONENTS

<table>
<thead>
<tr>
<th>HAZARDOUS COMPONENTS</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>OTHER LIMITS RECOMMENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nuisance particles generated by handling.</td>
<td>5.0 Mg/CuM</td>
<td>DNA</td>
<td>DNA</td>
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</tbody>
</table>

III.  PHYSICAL / CHEMICAL CHARACTERISTICS

Solubility in Water: Mildly Soluble
Boiling Point (°F): DNA
Vapor Pressure (mmHg): DNA
Evaporation Rate: DNA
Specific Gravity (Water = 1): 0.49 - 0.59
Melting Point: DNA
Appearance and Odor: Fine particles with characteristic fungal odor.

IV.  FIRE AND EXPLOSION HAZARD DATA

Flammable Limits:
UEL: N/A
LEL: N/A
Extinguishing Media: Dry Chemical, CO₂, Water Spray

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus and full protective gear. Burning produces irritant fumes. Residue from extinguished fires may be hazardous.

Unusual Fire and Explosion Hazards: None known

V.  REACTIVITY DATA

Stability: Stable
Conditions to Avoid: Extreme hot, cold, or wet conditions
Incompatibility (Materials to Avoid): Strong oxidizing agents
Hazardous Decomposition or By-Products: Thermal decomposition can lead to release or irritating gases and vapors such as carbon oxides.
Hazardous Polymerization: None under normal processing.

VI.  HEALTH HAZARD DATA

Routes of Entry: Inhalation: Yes
Skin: Yes
Ingestion: No health hazards

Health Hazards (Acute and Chronic): (Acute)
Respiratory: Bronchitis, possibly allergic rhinitis in sensitive individuals.
Eyes: Mechanical foreign body irritation, blepharitis in sensitive individuals.
Secondary infections are a possibility.
Skin: Dermatitis in sensitive individuals.
Product Name: *Lentinula edodes* Powder

**VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

- **Spill or Leak Cleanup:** Remove accumulations by sweeping, shoveling, or vacuuming for disposal. Prevent product from entering drains.
- **Waste Disposal Method:** Dispose of waste in a sanitary landfill according to state and local regulations.
- **Precautions to be Taken in Handling or Storing:** Store at room temperature in dry conditions. Use only in an area with appropriate exhaust ventilation.
- **Other Precautions:** None

**VIII. CONTROL MEASURES**

- **Respiratory Protection:** Use personal protective equipment.
- **Ventilation:** Good general and local ventilation to prevent concentrations above the PEL is recommended. Otherwise use a self-contained breathing apparatus or nuisance mask.
- **Protective Gloves:** Not normally needed except to prevent skin contact for hygienic purposes, use disposable gloves.
- **Eye Protection:** Safety glasses
- **Other Protective Clothing or Equipment:** Lab coats are recommended for hygienic handling.
- **Work/Hygienic Practices:** Avoid contact with skin, eyes and clothing.

**CAUTION**

Particles may irritate the eyes.

PRECAUTIONS: WEAR EYE PROTECTION WHEN WORKING WITH POWDER. USE ADEQUATE VENTILATION TO KEEP EXPOSURE BELOW 5 MG. PER CUBIC METER.

**Manufacturer’s Notification**

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