SECTION 1: PRODUCT & CHEMICAL IDENTIFICATION

Product: U.S.D.A. Specifications Milky Spore Powder
Other Common Names: Milky Spore Disease containing 100 million spores per gram of powder.
Chemical Name: Amorphous SiO2

SECTION 2: INGREDIENTS

<table>
<thead>
<tr>
<th>Mineral or Chemical Name(s)</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous SiO2</td>
<td>80 mg/m3</td>
<td>Not listed</td>
<td>None</td>
</tr>
</tbody>
</table>

Hazardous components: Cristobalite, CAS No. 14464-6-1; Quartz, CAS No. 14808-60-7; >1% total
Other principal, inert components: Amorphous silica, other metal oxides, moisture.
Chemical identity, major components: Amorphous SiO2

HMIS (Hazardous Materials Identification System Ratings – NPCA/CPCA)
Based on hazard rating of 4 = Most severe
Health 0
Flammability 0
Reactivity 0
Personal Protection – Use dust mask, such as 3M 9900 or equiv.; goggles to prevent eye irritation

SECTION 3: PHYSICAL DATA

Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Specific Gravity: 2.2
Evaporation Rate: N/A
Solubility in Water: Negligible
Appearance & Odor: Fine, slightly off-white powder. No odor.

SECTION 4: FIRE & EXPLOSION HAZARD DATA

Flash Point: N/A
Flammable Limits: N/A
Extinguishing Media: N/A
Special Fire Fighting Procedures: N/A
Unusual Fire and Explosion Hazards: None

SECTION 5: HEALTH HAZARD DATA

Signs and Symptoms of Exposure: Accidental overexposure may result in coughing, wheezing and irritation of upper respiratory tract.

Medical Condition Generally Aggravated by Exposure: Pre-existing asthma, bronchitis, emphysema and other lung and respiratory ailments may be aggravated by exposure to dust.

Inhalation – Irritations of the upper respiratory tract and lungs may result from accidental or chronic overexposure to the dust of this product, as with any other fine powder.

Carcinogenicity: Respirable quartz is an IARC-defined Class 1 human carcinogen. DiaFil, with less than 1% crystalline silica, is classified by OSHA as “amorphous” (Bulletin 3112). OSHA regulated.
### SECTION 5: HEALTH HAZARD DATA (Continued)

- **Skin Contact:** No known hazard
- **Eye Contact:** No known hazard

**Emergency and First Aid Procedures:**
- **Inhalation:** Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.
- **Skin Contact:** Of no general concern. Simply wash with soap and water
- **Eye Contact:** Flush with copious amounts of cool, fresh water for 15 minutes. Blow nose, rinse mouth, drink water to clear throat. (Material is non-poisonous.)

### SECTION 6: REACTIVITY DATA

- **Stability:** Inert
- **Incompatibility:** No incompatibility. Reacts with hydrofluoric acid, soluble in HF.
- **Hazardous decomposition of products:** None
- **Hazardous polymerization:** None
- **Conditions to avoid:** None

### SECTION 7: SPILLAGE OR LEAK PROCEDURES

- **Spillage:** Mist lightly with water, sweep up and transfer to a closed container, or vacuum with equipment fitted with an effective filter. Transfer any broken bags to new bags without emptying.
- **Waste Disposal Method:** Bury as non-toxic waste in an approved landfill.

### SECTION 8: SPECIAL PROTECTION INFORMATION

- **Respiratory Protection:** Use an approved dust mask, 3M 9900 or equivalent.
- **Ventilation:** Local exhaust recommended.
- **Protective Gloves:** Not required
- **Eye Protection:** Safety goggles recommended.
- **Other Protective Equipment:** Not required

### SECTION 9: SPECIAL PRECAUTIONS

- **Handling & Storage:** Use techniques that minimize generating dust.
- **Work/Hygienic Practices:** Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off. Wash hands before taking food.

### SECTION 9: ADDITIONAL PRECAUTIONS

- **Emergency Telephone Numbers:** Medical or Technical – (800) 801-0061