

# MATERIAL SAFETY DATA SHEET

St. Gabriel Laboratories  
14044 Litchfield Drive  
Orange, Virginia 22960  
Telephone: 800-801-0061

## 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 SiO<sub>2</sub>

## SECTION 2: INGREDIENTS

<u>Mineral or Chemical Name(s)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>Other Limits</u>
Amorphous SiO <sub>2</sub>	80 mg/m <sup>3</sup>	Not listed	None

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 SiO<sub>2</sub>

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	LEL:	N/A	UEL:	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.

# MATERIAL SAFETY DATA SHEET

St. Gabriel Laboratories  
14044 Litchfield Drive  
Orange, Virginia 22960  
Telephone: 800-801-0061

## SECTION 5: HEALTH HAZARD DATA (Continued)

Skin Contact: No known hazard  
Eye Contact:  
Ingestion: 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