

# Safety Data Sheet

## Part I: What is the material and what do I need to know in an Emergency?

### Section 1 IDENTITY (As Used on Label and List)

Product Name: <b>Insect Dust</b>	
Manufacturer's Name: <b>St. Gabriel Organics</b>	Emergency Telephone Number: <b>800 801 0061 Toll Free</b>
Address: <b>14044 Litchfield Drive Orange, VA 22960</b>	Telephone Number for Information: <b>540 672 0866</b>

### Section 2 Hazard Identification

**EMERGENCY OVERVIEW:** This is a fine white dust. This product presents a slight irritation hazard (in terms of irritation due to inhalation or contact with eyes). This product presents no significant flammability or reactivity hazards. Emergency responders must wear personal protective equipment suitable for the situation to which they are responding.

**Signs and Symptoms of Exposure:** Exposure to dust may result in coughing, wheezing, shortness of breath, tightness of chest, irritation of the upper respiratory tract and damage to lung tissue.

**Inhalation:** Irritations of the upper respiratory tract and lungs may result from accidental or chronic occupational exposure to the dust of this product. Dust may also cause lung damage when inhaled.

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

**Possible Effects of Single Exposure:** Acute exposure may cause upper respiratory irritation.

**Eye Contact:** May cause irritation. May cause impairment of vision or corneal damage. DO NOT PUT IN EYES

**Skin Contact:** No known hazards

**Ingestion:** No known hazards

### Section 3 Composition/Information on Ingredients:

Ingredients:	CAS NO.	%W/W	OSHA PEL/TWA:	ACGIH TLV/TWA	NIOSH REL/TWA
Diatomaceous Earth (Silica, amorphous, diatomaceous earth, containing less than 1% crystalline silica)	61790-53-2	100%	$\frac{80\text{mg/m}^3}{\% \text{SiO}_2}$	Withdrawn due to insufficient data	6 mg/m <sup>3</sup>
Crystalline Silica (Quartz) (may be present as a component of Diatomaceous Earth)	14808-60-7	< 1%	See above	See above	See above

## Part II: What should I do if a hazardous situation occurs?

### Section 4 First Aid Measures

**Eye Contact:** Flush with copious amounts of cool water for 15 minutes. If irritation or discomfort persists, call a physician.

**Skin Contact:** No general concern. Wash with soap and water.

**Inhalation:** Blow nose, rinse mouth, drink water to clear throat. Remove to fresh air.

### Section 5 Fire Fighting Measures

Flash Point: NA	Method Used: NA	Autoignition Temperature: NA	LEL: NA	UEL: NA
Extinguishing Media: any	Special Fire Fighting Procedures: NA	Unusual Fire/Explosion Hazards: NA		
Hazardous Decomposition Products: NA				

### Section 6 Steps to Be Taken in Case Material is Released or Spilled

**In case of spill:** 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. Wipe area with damp rag.

**Waste Disposal Method:** Bury as non-toxic waste in an approved landfill.

## Part III: How can I prevent hazardous situations from occurring?

### Section 7 Handling and Storage

**Work/Hygienic Practices:** Avoid vigorous shaking of bags. Clean clothes with vacuum hose, not by blowing off. Wash hands before taking food. Appropriate PPE should be used.

**Handling and Storage:** Use techniques that minimize generating dust.

### Section 8 Exposure Controls and Personal Protection

**Ventilation and Engineering Controls:** Use with adequate ventilation to prevent inhalation of dusts. Manufacturing operations should be directed at minimizing the generation of aerosolized dust. Eyewash stations should be located near areas where this product is being handled.

**Respirator Protection:** None required under normal circumstances. If operations generate aerosolized dust in excess of the guidelines listed in Section 2 (Composition/Information in Ingredients), a NIOSH approved respirator should be worn or other particulate air filtration (that complies with Federal OSHA Standard (29 CFR 1910.134), and other applicable U.S. State regulation or the standards of Canada and its Provinces) may be needed.

**Eye Protection:** Splash goggles, face shield, or safety glasses may be worn, but are not necessary.  
**Hand Protection:** Neoprene or other gloves may be worn, but are not necessary.  
**Other Protective Clothing or Equipment:** None Required.

Section 9 Physical and Chemical Properties			
Vapor Density: NA	Sp Gravity: 0.192 - 0.369 kg/L	Solubility in water: suspendable	pH: 7.0 (slurry)
Vapor Pressure: NA	Odor Threshold: NE	Coefficient of Oil/Water Distribution (Partition Coefficient): NA	
Melting Point: ND	Boiling Point: ND	Evaporation Rate: NA	Appearance: fine off-white powder
How to Detect this Substance: The appearance of this product may act as a distinguishing characteristic. Shells of diatoms are apparent when viewed microscopically between 80x to 400x.			

Section 10 Stability and Reactivity		
Stability: Stable/Inert	Hazardous Polymerization: None	Conditions to Avoid: Incompatible with Hydrofluoric acid
Slightly soluble in strongly alkaline solution		
Hazardous Decomposition Products: Acid Vapors, Carbon Dioxide, Carbon Monoxide		

**Part IV: Is there any other useful information about this material?**

Section 11 Toxicological Information			
<b>Component: Amorphous Silica - CAS# 61790-53-2</b>			
NTP: Amorphous silica is generally less toxic than crystalline silica. Since it has greater water solubility, it is cleared more rapidly from the body. Effects observed after inhalation of amorphous silica were milder than those observed for crystalline silica. The IARC considered the available data inadequate for determining the carcinogenic potential of amorphous silica.			
<b>Contains: less than 1% Silica, crystalline quartz - CAS# 14808-60-7</b>			
The International Agency for Research on Cancer (IARC) has stated that there is sufficient evidence of carcinogenicity of crystalline silica to human beings. It was noted that carcinogenicity was not detected in all industrial circumstances studied. The NTP's Sixth Annual Report on Carcinogens include respirable crystalline silica. The Hazard Communication Standard (29CFR 1910.1200) requires that any material containing over 0.1% of a substance reported as a carcinogen in an IARC monograph or the most recent NTP Annual Report on Carcinogens must be identified as a carcinogen. These identifications are for hazard communications only and do not serve as assessments of carcinogenic risk. Crystalline silica is known to cause silicosis. At dust levels below the recommended PEL exposure to the crystalline silica contained in this product should not present a health hazard.			
Carcinogen: OSHA - No	NTP - Yes (respirable)	IARC - Yes	

Section 12 Ecological Information
Environmental Stability: This material is generally stable and will not decompose. Releases of large quantities into a confined area will not significantly alter terrestrial environments. Releases of large quantities into a body of water is unlikely to significantly alter aquatic environments.

Section 13 Disposal Considerations
Waste disposal must be in accordance with U.S. Federal, State and local regulation or those of Canada and its Provinces. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous regulatory authority.
U.S. EPA Waste Number: Not applicable

Section 14 Transportation Information			
THIS MATERIAL IS NOT HAZARDOUS PER 49 CFR 172.101			
Proper Shipping Name: NA	Hazard Class Number and Description: NA		
UN Identification Number: NA	Packing Group: NA	DOT Label (S) Required: NA	
2012 Emergency Response Guide Number: NA	Transport Canada TDG Regulations: This material is not considered dangerous goods.		
Marine Pollutant: No (per 49 CFR 172.101 appendix B)			
Harmonized System (HS) code: 380810	Harmonized Tariff System (HTS) code: 3808.91.5000	Schedule B Number: 3808.91.0000	

Section 15 Regulatory Information			
Reporting Requirements: The components of this product are not subject to the reporting requirements of U.S. Superfund Amendments and Reauthorization Act (SARA), Title III, Sections 302, 304, and 313.			
US TSCA Inventory Status: The components of this product are listed on the TSCA Inventory.			
U.S. State Regulatory Information: Pesticides require registration under specific State regulations.			
Other Regulatory Information: Pesticides are Federally and Internationally regulated.			
California Proposition 65: This product contains less than 1% crystalline silica. Crystalline silica (airborn particles of respirable size) is known by the State of California to cause cancer.			
WHMIS: Not Regulated			
National Fire Protection Association (NFPA)	Homeless Management Information Systems (HMIS)	Personal Protective Equipment (PPE)	
Health: 0	Health: 0	For manufacturing/handling large volumes: Dust masks, Gloves, and Safety Glasses may be worn	
Flammability: 0	Flammability: 0	For use/handling small volumes: PPE is not required	
Reactivity: 0	Physical Hazard: 0		
Specific Hazard: None	PPE: B		
This product contains less than 1% Silica, crystalline quartz (CAS# 14808-60-7). Silica, crystalline quartz is found on the following lists:			
MASS - MA Massachusetts Hazardous Substances List			

NRC - Nationally Recognized Carcinogens  
OSHAWAC - OSHA Workplace Air Contaminants  
TXAIR - TX Air Contaminants with Health Effects Screening Level

**Section 16 Other Information**

MSDSs that represent non-hazardous chemicals are not covered by the Hazard Communication Standard (HCS). Paragraph 29 CFR 1910.1200(g)(8) of the standard requires that "the employer shall maintain in the workplace copies of the required MSDSs for each hazardous chemical, and shall ensure that they are readily accessible during each work shift to employees when they are in their workarea(s)." OSHA does not require nor encourage employers to maintain MSDSs for non-hazardous chemicals. Consequently, an employer is free to discard MSDSs for non-hazardous chemicals.

Waiver: The above information is believed to be correct, but does not purport to be all inclusive. This data should be used only as a guide in handling this material. Insect Dust/St. Gabriel Organics shall not be held liable for any loss, damage, injury, or expense resulting from use, handling, or from direct contact with this product.

Last Revised: Jan 15, 2015