

# Safety Data Sheet

## WONDERFILL

### 1. Identification & Company Identification

**Product Description:**

Green, Dark Green, Granules

**Company:**

California Silica Products, LLC.  
12808 Rancho Rd. Adelanto, CA 92301

**Emergency phone:**

(760) 885-5358

**Recommended Use:**

Artificial turf infill

### 2. Hazard(s) Identification

**Hazard Symbol:****Risk Phrases:**

Danger

**Carcinogenicity:**

NTP- Yes      IARC Monographs- Yes      OSHA Regulated- No

COMPOSITION NOTE: This product consists of silicon dioxide coated with vinyl chloride.

Although WONDERFILL is composed primarily of Silica Sand (SiO<sub>2</sub>), and such sand is potentially a source of respirable dust, the sand particles in WONDERFILL are thoroughly encapsulated in a coating which captures dust and ingredients. Under normal circumstances, this prevents any normal release of silica dust to the workplace.

**Irritants:****Eye Contact:**

Dust may irritate the eyes from mechanical abrasion causing watering and redness.

**Skin Contact:**

May cause irritation of the skin from friction but cannot be absorbed through intact skin.

**Inhalation:**

**Acute effects:** Dust may cause irritation of the nose, throat, and airways, resulting in coughing and sneezing. Certain susceptible individuals may experience wheezing (spasms of the bronchial airways) on inhaling dust.

**Ingestion:**

Unlikely under normal conditions of use, but swallowing this product may result in irritation or damage to the mouth and gastrointestinal tract due to mechanical abrasion.

### 3. Composition/Information on Ingredients

#### Hazardous Components:

Substance Name	CAS Number	UN Number	EINECS Number	Proportion (by weight)
Crystalline Silica (Quartz)	14808-60-7	238-878-4	238-878-4	>95%
		Not hazardous for shipping purposes		
Ferric Oxide		1332-37-2		<1%
Feldspar		68476-25-5		<2%
Mica		12001-26-2		<2%
Zinc Oxide	1314-12-2			<1%
Iron Oxide Pigments				<1%
Blue	147-14-8			
Yellow	51274-00-1			
Vinyl Chloride	68585-47-7			<1%

### 4. First-Aid Measures

#### Inhalation:

This product is not expected to generate dust under normal conditions. If dusts generated by this product are inhaled, remove contaminated individual to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

#### Skin contact:

Generally the product does not irritate the skin. If skin irritation occurs, consult a doctor.

#### After eye contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor. Could cause general eye irritation.

#### After swallowing:

Routine use of this product is not expected to cause any situation which could lead to ingestion. If swallowed and symptoms occur, consult a doctor

### 5. Fire-Fighting Measures

Product is not considered flammable or combustible.

#### Flash Point (°F):

N/A

#### Flammable Limits (Vapor in Air, Vol. %):

N/A

#### Fire Extinguishing Media:

N/A

#### Unusual Fire & Explosion Hazards:



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None

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### 6. Accidental Release Measures

#### Personal precautions:

Good housekeeping practices are necessary for cleaning up areas where spills or leaks have occurred. Take measures to either eliminate or minimize the creation of dust. Respirable dust and silica levels should be monitored regularly.

Whenever possible, practices likely to generate dust should be controlled with engineering controls such as local exhaust ventilation, dust suppression with water and containment, enclosure or covers.

Use respiratory protection as described in Section 8.

#### Environmental Hazards:

No known adverse effects.

#### Spillage:

A fine water spray should be used to suppress dust when sweeping (dry sweeping should not be attempted).

Vacuuming, preferably with an industrial vacuum cleaner outfitted with a high efficiency particulate (HEPA) filter, is preferred to sweeping. Waste may be disposed of by landfill and compliance with federal, state, and local requirements.

In the event of an accidental release, observe all protection measures set out in this MSDS. Avoid using materials and products that are incompatible with the product (Refer to Section 10).

#### Waste Disposal Method:

Dispose of material as inert, non-metallic mineral in conformance with local, state, and federal regulations. Crystalline silica is not a RCRA hazardous waste. Landfill according to local, State & Federal regulations.

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### 7. Handling and Storage

#### Storage:

Keep container closed when not in use. Protect containers from abuse; store in a cool, dry area.

#### Handling

No special measures necessary provided product is used correctly.

Keep out of reach of children.



When producing or installing wear dust mask(respirator) to limit exposure to dust that may be created while using power broom or compressed air.

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### 8. Exposure Controls/personal Protection

#### Personal protective equipment:

#### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.



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Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.

### **Breathing equipment:**

Not required.

### **Protection of hands:**

Not required.

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## 9. Physical and Chemical Properties

### **Appearance**

Green, Dark Green, Granules

### **Flash Point**

N/A

### **pH:**

N/A

### **Odor:**

Odorless

### **Odor threshold:**

Odorless

### **Flammability (solid, gas)**

N/A

### **Solubility in Water:**

Insoluble

### **Upper Flammability:**

N/A

### **Vapor Density:**

N/A

### **Lower Flammability:**

N/A

### **Vapor Pressure:**

N/A

### **Relative Density:**

N/A

### **Evaporation Rate:**

N/A

### **Partition coefficient: n-octanol/water:**

N/A

### **Solids Content:**

N/A

### **Auto-ignition temperature:**

N/A

### **Melting Point:**

Not Determined

### **Decomposition temperature:**

Not Determined

### **Boiling Point:**

N/A

### **Viscosity:**

N/A

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## 10. Stability and Reactivity

### **Stability:**

Crystalline silica is stable under ordinary conditions.

### **Conditions to Avoid:**

Excessive dust generation during storage and handling.

### **Incompatibility (Materials to Avoid):**

**Incompatibility:** Hydrofluoric acid will dissolve silica and can generate silicon tetrafluoride, a corrosive gas. Contact with strong oxidizing agents such as fluorine, boron trifluoride, chlorine trifluoride, manganese trifluoride, or oxygen difluoride may cause fires and/or explosions.



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### **NFPA Hazard Ratings:**

Health Hazard: 1    Flammability Hazard: 0  
Reactivity: 0        Special Hazard: None

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## **11. Toxicological Information**

COMPOSITION NOTE: This product consists of silicon dioxide coated with vinyl Chloride.

Although WONDERFILL is composed primarily of Silica Sand (SiO<sub>2</sub>), and such sand is potentially a source of respirable dust, the sand particles in WONDERFILL are thoroughly encapsulated in a coating which captures dust and ingredients. Under normal circumstances, this prevents any normal release of silica dust to the workplace.

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Not classified

**Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** May cause cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Causes damage to organs through prolonged or repeated exposure.

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** May cause respiratory irritation.

**Aspiration Hazard:** Not classified

**Symptoms/Injuries after Inhalation:** Irritation of the respiratory tract and the other mucous membranes. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a seriously disabling and fatal lung disease.

**Symptoms/Injuries after Skin Contact:** Prolonged exposure may cause skin irritation. Prolonged contact with large amounts of dust may cause mechanical irritation.

**Symptoms/Injuries after Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries after Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause cancer. Causes damage to organs (lungs) through prolonged or repeated exposure (inhalation).

Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure,



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and pulmonary failure. Smoking aggravates the effects of exposure

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### 12. Ecological Information

There is a limited amount of ecological data available on this product, primarily because it is a naturally occurring mineral. An adequate representation of this data is beyond the scope of this document.

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### 13. Disposal Considerations

Dispose of material as inert, non-metallic mineral in conformance with local, state, and federal regulations. Crystalline silica is not a RCRA hazardous waste.

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### 14. Transport Information

<b>UN No.:</b>	None allocated
<b>Dangerous Goods Class:</b>	None allocated
<b>Hazchem Code:</b>	None allocated
<b>Poisons Schedule:</b>	None allocated
<b>Packing Group:</b>	Not applicable
<b>Label:</b>	Not a DOT hazardous material. Local regulations may apply.

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### 15. Regulatory Information

#### **TSCA (U.S.A. – Toxic Substance Control Act)**

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory or are exempted from listing because a Low Volume or Polymer Exemption has been granted in accordance with 40 CFR 723.50.

#### **SARA TITLE III (U.S.A. – Superfund Amendments & Reauthorization Act)**

311/312 Hazard Categories-Immediate Health, 313 Reportable Ingredients-None

#### **CERCLA (U.S.A. – Comprehensive Response Compensation & Liability Act)**

None

#### **California Prop 65, Safe Drinking Water & Toxic Enforcement Act of 1986**

⚠️ **WARNING** This product contains Crystalline Silica a chemical known to the State of California to cause cancer. For more information visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

#### **CPR (Canadian Controlled Products Regulations)**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: Not controlled

#### **IDL (Canadian Ingredient Disclosure List)**

Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 2.



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### **DSL/NDSL (Canadian Domestic Substances List / Non-Domestic Substances List)**

Components of this product identified by CAS number are not listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as “hazardous” are listed in Section 2 unless otherwise indicated.

### **EINECS (European Inventory of Existing Commercial Chemical Substances)**

Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances unless indicated as “not found”.

**WGK Water Quality Index:** nwg      **VbK Index:** not applicable

### **WARNING – AVOID BREATHING SILICA DUST**

Product contains silica. Inhalation of respirable silica dust can cause silicosis, a potentially disabling lung disease, and is known to the State of California to cause lung cancer. When handling products that may generate silica dust:

1. Work outdoors where feasible, otherwise use mechanical ventilation.
2. Wear a dust mask or if dust may exceed PEL, use NIOSH-approved respirator.
3. Warn others in area.

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The information contained in this SDS was produced without independent scientific or medical studies analyzing the effects of silica upon human health. The information contained herein is based upon scientific and other data that CALIFORNIA SILICA PRODUCTS, LLC. believes is valid and reliable as previously referenced in this SDS. The information contained herein relates only to specific materials listed in the document, and does not address the effects of silica when used in combination with other materials or substances, or when used in other processes. Because conditions of use are beyond CALIFORNIA SILICA PRODUCTS, LLC.'s control, the company makes no representations, guarantees or warranties, either express or implied warranties as to the fitness of the product for use, and assumes no liability related to the information contained above.

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