

Safety Data Sheet

Turf • N • Safe

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:

Raw material for a variety of construction and consumer products including fiber-cement, ceramics, and paints.*

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of Cal-Silica LLC. published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in Cal-Silica LLC. Sales Agreement.

2. Hazard(s) Identification

Carcinogenicity:

NTP- Yes IARC Monographs- Yes OSHA Regulated- No

This product itself is not regulated but it contains small amount of naturally occurring crystalline silica. IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemical to humans (volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and that there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

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.

Chronic Effects: Repeated and prolonged overexposures to dust containing crystalline silica causes silicosis (scarring of the lung) and increases the risk of bronchitis, tuberculosis, lung cancer, renal disease, and scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels, and internal organs). Studies have shown cigarette smoking increases the risk of silicosis, bronchitis, and lung cancer in persons also exposed to crystalline silica.

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.

Turf • N • Safe

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		>2%
Feldspar		68476-25-5		>2%
Mica		12001-26-2		>2%
Napthenic/Aromatic Oil	64742-04-7			<2%
Zinc Oxide, fume	1314-12-2			<2%
Zinc Oxide, total dust	1314-12-2			<2%
Chrome Oxide Green	1308-38-9		215-160-9	>10%
Pentapotassium Salt	13845-36-8			<2%
Polycarboxylate, sodium salt	Not assigned			<2%

Hazard Symbol:

None

Risk Phrases:

None

4. First-Aid Measures

Signs and symptoms of over exposure: Breathlessness, wheezing, cough, sputum production (a release from glands in the walls of the bronchi airways and from cells lining the nose and sinuses).

Ingestion:

If swallowed, dilute by drinking large amounts of water. Do not induce vomiting. Seek medical attention. If unconscious, loosen tight clothing and lay the person on his/her left side. Give nothing by mouth to an individual who is not alert and conscious

Inhalation:

Move subject to fresh air. Rinse mouth & nasal passages with fresh water. If irritation persists, seek medical attention.

Skin Contact:

Rinse with water. If irritation persists, seek medical attention.

Eye Contact:

Remove contact lenses. Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

Notes to Physician:

Remove to fresh air. If shortness of breath or wheezing develops, seek medical attention.

Safety Data Sheet

Turf • N • Safe

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:

None

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.

7. Handling and Storage

Storage:

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

Safety Data Sheet

Turf • N • Safe

Handling

No special measures necessary provided product is used correctly.

Keep out of reach of children.

8. Exposure Controls/personal Protection

OSHA Permissible Exposure Limit (or ACGIH):

Values have not been established.

Recommended Threshold Limit:

The National Institute of Occupational Safety and Health also has a Recommended Exposure Limit (REL) of 0.05 mg/m³ for respirable crystalline silica, based on a 10-hour time weighted average.

Respiratory Protection:

Use and maintain respirators that conform to ANSI Standard (Z88.2) particulate respirators. Select respirators based on the level of exposure to crystalline silica as measured by dust sampling. Use respirators that offer protection to the highest concentrations of crystalline silica if the actual concentrations are unknown. Put in place a respiratory protection and monitoring program that complies with MSHA or OSHA (e.g. 29 CFR 1910.134) standards, which include provisions for a user training program, respirator repair and cleaning, respirator fit testing, and other requirements. Comply with all other federal state laws.

Gloves:

Plastic, rubber or cotton.

Eye Protection:

Safety glasses or chemical goggles. Refer to 29 CFR 1910.133 or European Standard EN166.

Other Protective Equipment:

N/A

Personal Hygiene:

Avoid breathing dust.

Engineering Control:

Use with adequate ventilation.

9. Physical and Chemical Properties

Appearance & Odor:

Green Granular solid , odorless

Specific Gravity:

2.55-2.75

Solubility in Water:

Insoluble

Vapor Density:

N/A

Turf • N • Safe

Vapor Pressure:

N/A

Evaporation Rate:

N/A

Solids Content:

N/A

Melting Point:

Not Determined

Boiling Point:

N/A

pH:

N/A

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.

NFPA Hazard Ratings:

Health Hazard: 1 Flammability Hazard: 0

Reactivity: 0 Special Hazard: None

11. Toxicological Information

Swallowed 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.

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

Skin Contact Dust may cause irritation of the skin from friction but cannot be absorbed through intact skin.

Inhaled 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.

Chronic Effects:

Inhaled Repeated and prolonged overexposures to dust containing crystalline silica causes silicosis

Turf • N • Safe

(scarring of the lung) and increases the risk of bronchitis, tuberculosis, lung cancer, renal disease, and scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels, and internal organs). Studies have shown cigarette smoking increases the risk of silicosis, bronchitis, and lung cancer in persons also exposed to crystalline silica.

Acute silicosis, a sub-chronic disease associated with acute, massive silica exposures, is a rapidly progressive, incurable lung disease that is typically fatal. Symptoms include, but are not limited to: shortness of breath, cough, fever, weight loss, and chest pain. Such exposure may cause pneumoconiosis and pulmonary fibrosis.

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.

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.

14. Transport Information

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

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

Turf • N • Safe

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.

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.

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

16. Other Information

Notes

This form has been prepared to meet current Federal OSHA hazard communication regulations, and is offered without any warranty or guarantee of any type. Cal-Silica LLC. cannot control the use of its products, and therefore specifically disclaims liability and responsibility arising from the use, misuse, and alteration of its products. 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 Cal-Silica 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 Cal-Silica 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.

Cal-Silica LLC. requires, as a condition of use of its products, that purchasers comply with all applicable Federal, State and local health and safety laws, regulations, orders, requirements, and strictly adhere to all instructions and warnings, which accompany the product.

Disclaimer

The information presented is believed to be accurate but is not warranted to be. Whether originating with the company or not. Recipients are advised to confirm in advance of need, that the information is current, applicable and suitable to their circumstance.