

1. Identification & Company Identification

Trade Names:

Triple Z Zeolite

Product Description:

White Granules

Company Name:

Cal-Silica LLC.

1420 S. Bon View Ave., Ontario, CA 91761

Emergency phone:

(800) 325-6851

Recommended Use:

Artificial Turf Infill; Filtration sand; industrial filler sand; Soil Rejuvenation Sand

* 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

Hazard Statements (GHS-US/CA)

Eye irritation H319

Specific target organ toxicity – Respiratory system, H335

Hazard Pictogram:**Signal Word:** Warning**Precautionary Statements (GHSUS/CA)**

P261 Avoid breathing dust

P264 Wash skin thoroughly after handling

P280 Wear eye protection

P304 + P340 IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor/physician if you feel unwell

P337 + P313 If eye irritation persists: Get medical advice/attention

P403 + 233 Store in a well ventilated place. Keep container tightly closed.

P405 Store locked up.

P501 Dispose of contents in accordance with local, regional, national, and international regulations

3. Composition/Information on Ingredients

Substance Name	CAS Number
Zeolite	1318-02-1

4. First-Aid Measures

Description of necessary measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact: Wash off with soap and water.

Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most Important Symptoms and Effects Both Acute and Delayed

General: Dust may cause mechanical irritation to eyes, nose, throat, and lungs. May cause respiratory irritation.

Inhalation: Irritation of the respiratory tract and the other mucous membranes.

Skin Contact: Red skin on contiguous contact with skin.

Eye Contact: May cause slight irritation to eyes.

Ingestion: Ingestion may cause adverse effects.

Most Important Symptoms and Effects Both Acute and Delayed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

5. Fire-Fighting Measures

Flammability of the Product: Non-flammable and non-combustible

Suitable extinguishing agents: Treat for surrounding material

Special hazards arising from the substance or mixture: None

Products of Combustion: None

Explosion Hazards in Presence of Various Substances: Non-explosive in presence of shocks

6. Accidental Release Measures

Precautions if Material is Spilled or Released

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and materials for containment and cleaning - up

Methods for Containment: Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up:

Vacuum or sweep material and place in a disposal container.

7. Handling and Storage

Precautions for Safe Handling

Additional Hazards When Processed: 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.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid contact with eyes, skin and clothing. Do not breathe dust.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust.

Storage Conditions: Keep container closed when not in use. Store in a well-ventilated place. Keep/store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: Strong oxidizers. Fluorine. Fluorinated compounds. Acetylene. Ammonia. Hydrogen peroxide. Hydrofluoric acid.

8. Exposure Controls/personal Protection

Exposure controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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:

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands.

Eye Protection:

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Personal Hygiene:

Avoid breathing dust.

Engineering Control:

Use with adequate ventilation.

9. Physical and Chemical Properties

Appearance	Light gray powder	Vapor pressure	no data available
Odor	None	Vapor density	no data available
Odor threshold	no data available	Water solubility	Insoluble
pH	no data available	N-octanol partition coefficient	no data available
Melting point	no data available	Auto ignition temperature	no data available
Boiling point	no data available	Decomposition temperature	no data available
Flash point	no data available	Viscosity	no data available
Evaporation rate	no data available	Explosive properties	no data available
Flammability	no data available	Oxidizing properties	no data available
Upper/lower flammability or explosive limits	no data available		

10. Stability and Reactivity

Stability:

Stable under recommended storage conditions

Conditions to Avoid:

Avoid moisture.

Incompatibility (Materials to Avoid):

Strong oxidizing agents, strong bases

11. Toxicological Information

Acute toxicity

LD50 Oral >10,000 mg kg-1 Rat

Skin corrosion/irritation

No skin irritation

Serious eye damage/eye irritation

Irritant

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: Group 3, volume 68 - Not classified as an identified or probable, possible or confirmed human carcinogen by IARC.

ACGIH: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

Inhalation – may cause respiratory irritation.

Aspiration hazard

No data available

Additional Information

Prolonged or repeated exposure may cause damage to the lungs.

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

No special considerations. Contact a licensed professional waste disposal service to dispose of non recyclable material.

14. Transport Information

DOT Shipping Name: Non-Hazardous for Transport

DOT Hazard Class: Not Regulated

UN/NA ID No.: None

UN TDG Class: Not Regulated

Hazard Id No. (HIN): None

IMDG Hazard Class: Not Regulated

IATA Hazard Class: Not Regulated

RID/ADR Code: Not Regulated

Label: None Required

Hazard Symbols: None

15. Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 313.

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

None

TSCA Inventory

Not listed

California Proposition 65 Components

 **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.

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.

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