

Calcium Carbonate Safety Data Sheet
Date: 10/11/2018

Section 1. Identification

Product name : Calcium Carbonate
Product type : Solid

Uses

Area of application : Mineral Additive

Supplier

Supplier's details : Greenway Biotech, Inc.

Address

Street : 10632 Painter Ave.
Postal code : 90670
City : Santa Fe Springs
Country : USA

Telephone number : +1 562 351 5168
e-mail address of person responsible for this SDS : sales@greenwaybiotech.com
Emergency telephone number (with hours of operation) : Chemtrec 24-hour Emergency Response: 800 424 9300

National advisory body/Poison Center

Name : The National Poisons Emergency
Telephone number : 800 222 1222

Section 2. Hazards identification

Emergency Overview

This product is irritating to the eyes, respiratory system and skin.

Potential Health Effects: Eyes

Dust or powder may irritate eye tissue.

Potential Health Effects: Skin

Dust or powder may irritate the skin.

Potential Health Effects: Ingestion

May cause temporary irritation of the throat, stomach, and gastrointestinal tract.

Potential Health Effects: Inhalation

Warning: This product contains crystalline silica. Long-term overexposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued overexposure to silica can lead to cardiopulmonary impairment. Crystalline silica has been reviewed by IARC. IARC found sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz or cristobalite from occupational sources.

Medical Conditions Aggravated by Exposure

No information available for the product.

Potential Environmental Effects

No significant environmental effects.

Section 3. Composition/information on ingredients

Product / ingredient name	CAS number	%
Calcium Carbonate	CAS: 1317-65-3	60-100
Quartz	CAS: 14808-60-7	0.1-1.0

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following:
Silica, crystalline (general form).

Component Information

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication)

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	:	Rinse with plenty of running water. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	:	If inhaled, remove to fresh air. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Wash with soap and water. Get medical attention if irritation Develops.
Ingestion	:	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.

Section 5. Fire-fighting measures

General Fire Hazards

This material will not burn.

Hazardous Combustion Products

None Identified.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

None necessary.

Section 6. Accidental release measures

Containment Procedures

Contain the discharge material.

Clean-Up Procedures

Provide adequate ventilation. Cleanup personnel should use personal protective equipment to reduce eye contact, inhalation of dust, and prolonged skin contact. Use vacuum equipment with HEPA filters or wet sweeping/dust suppressant if sweeping is required. Personal safety, handling and exposure recommendations described elsewhere in this data sheet apply to exposure during cleanup of spilled material and must be followed.

Evacuation Procedures

None necessary.

Special Procedures

No additional information available.

Section 7. Handling and storage

Handling Procedures

Avoid getting this material into contact with your skin and eyes.

Storage Procedures

Store in a cool, dry, well-ventilated area.

Section 8. Exposure controls/personal protection

Exposure Guidelines

A: General Product Information

Keep formation of airborne dusts to a minimum.

B: Component Exposure Limits

Calcium Carbonate (1317-65-3)

OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)

NIOSH: 10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)

Quartz (14808-60-7)

ACGIH: 0.025 mg/m³ TWA (respirable fraction)

OSHA: 0.1 mg/m³ TWA (respirable dust)

NIOSH: 0.05 m/m³ TWA (respirable dust)

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear dust goggles.

Personal Protective Equipment: Skin

Use impervious gloves.

Personal Protective Equipment: Respiratory

Use a dust mask for particulate concentrations exceeding the Occupational Exposure Limit.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

Section 9. Physical and chemical properties

Appearance

Physical state	:	Solid.
Color	:	White.
Odor	:	Odorless.
Odor threshold	:	Not determined.
pH	:	Not determined.
Melting/freezing point	:	>= °C
Boiling/condensation point	:	Not determined.
Sublimation temperature	:	Not determined.
Flash point	:	Not applicable.
Evaporation rate	:	Not determined.
Flammability	:	Non-flammable.
Lower and upper explosive (flammable) limits	:	Lower: Not determined. Upper: Not determined.
Vapor pressure	:	Not determined.
Vapor density	:	Not determined.
Bulk density	:	Not determined.
Density	:	Not determined.
Relative density	:	Not determined.
Solubility	:	Partially soluble.
Partition coefficient: n-octanol/water	:	Not determined.
Auto-ignition temperature	:	Not determined.
Decomposition temperature	:	Not determined.
Viscosity	:	Dynamic: Not determined. Kinematic: Not determined.
Explosive properties	:	None.
Oxidizing properties	:	None.

Section 10. Stability and reactivity

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Avoid contact with acids.

Incompatibility

Calcium Carbonate ignites on contact with fluorine. It is incompatible with acids, alum, ammonium salts, and mercury/hydrogen mixtures.

Hazardous Decomposition

Thermal oxidative decomposition of calcium carbonate can produce calcium oxide.

Hazardous Polymerization

Will not occur.

Section 11. Toxicological information

Acute and Chronic Toxicity

A: General Product Information

Overexposure to calcium carbonate may result in irritation to eyes, skin, respiratory system. Acute ingestion may result in mild gastrointestinal distress while chronic exposure may result in hypercalcemia, alkalosis and renal impairment. Approximately 70-80% of inhaled calcium carbonate was retained in the lungs. Animal studies suggest that inhalation of calcium carbonate dusts may enhance susceptibility to respiratory infection.

B. Component Analysis – LD50/LC50

Quartz (14808-60-7)

Oral LD50 Rat: 500 mg/kg

Carcinogenicity

A: General Product Information

There may be a relationship between silicosis and certain cancers.

B: Component Carcinogenicity

Quartz (14808-60-7)

ACGIH: A2 – Suspected Human Carcinogen

NIOSH: Potential Occupational Carcinogen

NTP: Known Human Carcinogen (Select Carcinogen)

IARC: Monograph 68 [1997] (listed under crystalline silica inhaled in the form of quartz or cristobalite from occupational sources) (Group 1 (carcinogenic to humans))

Section 12. Ecological information

Ecotoxicity

A: General Product Information

This material is not expected to be harmful to aquatic life.

B: Component Analysis – Ecotoxicity – Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

This material shows no bioaccumulation or food chain concentration toxicity potential.

Section 13. Disposal considerations

US EPA Waste Number & Descriptions

A: General Product Information

No components are identified as hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

If this material becomes a waste it does not meet the criteria of a hazardous waste as defined by USEPA RCRA regulations. More stringent state or local regulations may apply. Combining this material with another may alter this classification.

Section 14. Transport information

US DOT Information

Shipping Name: None necessary.
Additional Info.: None.

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

Section 15. Regulatory information

US Federal Regulations

A: General Product Information

TSCA – All naturally occurring components of this product are automatically included in the USEPA TSCA inventory list per 40 CFR 710.4 (b). All other components are on the USEPA TSCA inventory list.

FDA – Limestone has been determined as “Generally Recognizes As Safe”. (GRAS) by FDA – see 21 CFR 184.1409.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4)

Acute Health: Yes **Chronic Health:** Yes **Fire:** No **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis – State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	FL	MA	MN	NJ	PA	MI
Calcium Carbonate	1317-65-3	No	No	Yes	Yes	No	Yes	No
Quartz	14808-60-7	No	No	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains chemical known to the state of California to cause cancer.

Other Regulations

A: General Product Information

Canadian WHMIS Classification: Not WHMIS Regulated

B: Component Analysis – Inventory

Component	CAS #	TSCA	DSL	NDSL	EINECS	AUST	PHIL.	MITI	KOREA	ELINCS	CHINA
Calcium Carbonate	1317-65-3	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	Yes

C: Component Analysis – WHMIS IDL

Component	CAS	Present
Quartz	14808-60-7	Yes

Section 16. Other information

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-name supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.