

# Safety Data Sheet – Limestone

Columbia, CA

## Section 1: Identification

<b>Product Identifier:</b>	Limestone
<b>Other Means of Identification:</b>	Calcium Carbonate, Aggregate, Aglime Limestone Glass - Meal, Limestone Cogeneration – Grit, Ground Limestone Feed – Grit, Meal, Flour, Micro, Limestone Environmental - Grit, Limestone Sorbant, Hi Cal Grit Ag, Limestone - Feed, Agricultural Limestone - Flour, Limestone Sand, Foundry Rock, Stucco, Sand, Microsizer Flour, Ultimate Sand, Limestone Construction Aggregate various sizes.
<b>Recommended Use:</b>	Industrial mineral uses, agricultural applications, animal feed
<b>Recommended Restrictions:</b>	None known
<b>Manufacturer:</b>	Blue Mountain Minerals 24599 Marble Quarry Road Columbia, California 95310 <a href="http://www.bluemountainminerals.com">www.bluemountainminerals.com</a>
<b>Emergency Contact Number:</b>	<b>209-533-0127</b> General Information Number: 209-533-0127

**CHEMTREC emergency phone number: (800) 424-9300**

## Section 2 : Hazards Identification

<b>GHS Classification:</b>	Eye Damage/Irritation Category 2B, Skin Corrosion/Irritation Category 2B Carcinogenicity Category 1A
<b>Signal Word:</b>	Danger
<b>Hazard Statement:</b>	May cause eye irritation – H320 May cause cancer by inhalation – H350i May cause an allergic skin reaction – H317

**Hazard Pictogram:**



**Precautionary Statement:** Wear protective gloves, eye, and respiratory protection. Avoid breathing dust.

**Hazard(s) not otherwise Classified:** Laboratory sample analysis indicates that dust from this product contains less than the following levels of airborne crystalline silica.

**Exposure Limits for Crystalline Silica:**

The current American Conference of Government Industrial Hygienist Threshold Limit Value for crystalline silica is: Quartz: (CAS 14808-60-7) = 0.025 mg/m<sup>3</sup>

### Section 3: Composition/Information on Ingredients

Chemical Name	Common Name	CAS Number	%
Calcium Carbonate	Limestone	1317-65-3	50-100
Calcium Magnesium Carbonate	Dolomitic Limestone	1408-60-7	0-50
Calcium Magnesium Carbonate	Dolomite	1408-60-7	0-10
Crystalline Silica	Quartz	14808-60-7	< 2.0

This product contains varying amounts of magnesium, causing it to be classified as either limestone (>90% calcium carbonate and <10% calcium magnesium carbonate) or dolomitic limestone (50 to 90% calcium carbonate and 10% to 50% calcium magnesium carbonate).

### Section 4: First-Aid Measures

**Eye Contact:** If eye contact occurs, rinse immediately with plenty of water. If irritation persists, seek medical attention.

**Skin Contact:** Wash with soap and water. If irritation persists, seek medical attention.

**Inhalation:** Dust in the throat and nasal passages should clear spontaneously, once moved into well ventilated area. If excessive coughing or irritation persists, seek medical attention.

**Ingestion:** Product is not considered toxic in small amounts.

### Section 5: Fire Fighting Measures

**General Fire Hazards:** Not flammable.

**Extinguishing Media:** Use appropriate extinguishing media for surrounding fire.  
**Special Fire Fighting Procedure:** Fire Fighters use typical firefighting gear.

**Special Precautions for Firefighting:** Reacts with fluorine, magnesium, acids, alum, and ammonium salts.

## Section 6: Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate protective equipment and clothing during clean-up.

**Methods and Materials for Containment and Clean up:** When dust is generated it may over-expose cleanup personnel to respirable dust. Wetting of the material is recommended. Avoid dry sweeping and use NIOSH approved respirators for conditions where dust levels exceed exposure limits.

**Environmental Precautions:** Material is a natural mineral product and will not cause adverse effects to the water system.

## Section 7: Handling and Storage

**Precautions for Safe Handling:** Wear the appropriate eye protection and avoid dust contact with eyes. Minimize dust generation and accumulation. Wear the appropriate respiratory protection when in poorly ventilated areas. Use good industrial hygiene practices.

**Conditions for Safe Storage:** Do not store with incompatible materials.

## Section 8: Exposure Controls/Personal Protection

### OSHA Permissible Exposure Limits (PEL):

Component	CAS#	Exposure Limits
Calcium Carbonate, Limestone	1317-65-3	<b>OSHA PEL:</b> TWA 15 mg/m <sup>3</sup> (total dust) TWA 5 mg/m <sup>3</sup> (respirable)
Calcium Magnesium Carbonate, Dolomitic Limestone, Dolomite	1408-60-7	<b>OSHA PEL:</b> TWA 15 mg/m <sup>3</sup> (total dust) TWA 5 mg/m <sup>3</sup> (respirable)
Crystalline Silica, Quartz	14808-60-7	<b>OSHA PEL:</b> TWA 0.3 mg/m <sup>3</sup> (total dust) TWA 0.05 mg/m <sup>3</sup> (respirable)

## Appropriate Engineering

### Controls:

Use local exhaust ventilation to control exposure below applicable limits.

## Personal Protective Equipment (PPE):

### Respiratory:

Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used. Respirator and/or filter cartridge selection should be based on the American National Standards Institute (ANSI) Standard Z88.2, Practices for Respiratory Protection.

### Eyes:

When working around activities where dust can contact the eyes, wear safety glasses or goggles to avoid eye irritation or injury. Wearing contact lenses is not recommended in high dust areas.

### Skin and Body:

Protective clothing is not essential.

## Section 9: Physical and Chemical Properties

**Appearance:** Grayish white

**Physical state:** Solid/Powder

**pH:** 8.5-9.5 at 10% solids

**Boiling point:** N/A

**Evaporation rate: (Butyl Acetate = 1):** N/A

**Upper/lower flammability or explosive limits:** N/A

**Vapor pressure (mm Hg.):** N/A

**Relative Density:** N/A

**Viscosity:** N/A

**Partition coefficient:** No data available

**Decomposition Temperature:** 700 - 900<sup>0</sup>C

**Odor:** None

**Odor threshold:** No data available

**Melting/Freezing point:** N/A

**Flash point:** N/A

**Flammability:** Not flammable

**Vapor density:** N/A

**Specific gravity (H<sub>2</sub>O = 1):** 2.65-2.75

**Solubility:** 0.0035g/ml (slight)

**Auto-ignition temperature:** N/A

## Section 10: Stability and Reactivity

### Reactivity:

No dangerous reactions known under conditions of normal use.

### Chemical Stability:

Material is stable under normal conditions.

### Possibility of Hazardous

#### Reactions:

No dangerous reactions under normal conditions and use.

**Prevention of Secondary Hazards:** Reacts with fluorine, magnesium, acids, alum, and ammonium salts.

<b>Conditions to Avoid:</b>	Avoid contact with strong oxidizing agents.
<b>Incompatibility Materials:</b>	Strong acids
<b>Hazardous Decomposition Products:</b>	Heating of product above 825 <sup>0</sup> C will decompose to calcium oxide with release of carbon dioxide.

## Section 11: Toxicological Information

### Information on Likely Routes of Exposure

<b>Inhalation:</b>	Repeated inhalation of respirable crystalline silica (quartz) may cause silicosis, a fibrosis (scarring) of the lungs. Silicosis is irreversible and may be fatal. Silicosis increases the risk of contracting pulmonary tuberculosis. Some studies suggest that repeated inhalation of respirable crystalline silica may cause other adverse health effects including lung and kidney cancer.
<b>Ingestion:</b>	Not likely due to form of product. Accidental ingestion may cause discomfort.
<b>Skin contact:</b>	Dust may cause irritation through mechanical abrasion. This product is not expected to be a skin hazard.
<b>Eye contact:</b>	Direct contact with eyes may cause irritation through mechanical abrasion.

### Information on Toxicological Effects

<b>Acute Toxicity:</b>	Not expected to be acutely toxic.
<b>Skin Irritation/Corrosion:</b>	This product is not expected to be a skin hazard.
<b>Eye Irritation/Eye Damage:</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory Sensitization:</b>	None known.
<b>Symptoms:</b>	Limestone dust: may cause irritation to eyes, skin, mucous membrane; sneezing, rhinorrhea (discharge of thin nasal mucus); lacrimation (discharge of tears) discomfort in chest, coughing and or shortness of breath.

**Carcinogenicity:** Respirable crystalline silica has been classified by IARC and NTP as a known human carcinogen and classified by ACGIH as a suspected human carcinogen.

**International Agency for Research on Cancer, IARC:** Crystalline Silica (CAS 14808-60-7) Group 1, Carcinogenic to Humans

**National Toxicology Program, NTP:** Crystalline Silica (CAS 14808-60-7) Group 1, Carcinogenic to Humans

**Occupational Safety and Health Administration, OSHA:** Crystalline Silica (CAS 14808-60-7) Not listed.

## Section 12: Ecological Information

**Ecotoxicity:** This material is not expected to be harmful to aquatic life.

**Persistence and Degradability:** N/A

**Bioaccumulation Potential:** N/A

**Mobility in Soil:** N/A

**Other Adverse Effects:** No other adverse effects are expected from this product.

## Section 13: Disposal Considerations

**Disposal Instructions:** From a waste perspective, this product is not considered hazardous and may be disposed of as a solid waste in accordance with applicable federal, state, and local regulations.

## Section 14: Transport Information

**DOT:** Not regulated as a hazardous material by DOT. Local regulations may apply.

## Section 15: Regulatory Information

**Federal Regulations:** This product is not a hazardous chemical as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**State Regulations:**

This product can expose you to chemicals, including crystalline silica, which is known to the State of California to cause cancer. These natural occurring impurities may be regulated by other states.

**CA Prop 65.**

Warning: this product contains crystalline silica and chemicals (trace metals) known to the State of California to cause cancer. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16: Other Information, date created, last revision****Revision:**

Existing Material Safety Data Sheet revised to new Globally Harmonized System (GHS) format. Revision Date: 2/4/2019, 10/19/2020

This safety data sheet is offered to you in good faith as accurate as of the date compiled. Some of the information presented is from sources outside our company. We have reviewed the information and believe it to be accurate but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the users' obligation to review this information, satisfy themselves as to its suitability and completeness, and comply with all applicable laws and regulations. No warranty is made, either express or implied, and Blue Mountain Minerals disclaims all liability which may occur in connection with the use of this information.