Safety Data Sheet – Limestone

Paso Robles, CA

Section 1: Identification

Product Identifier: Limestone

Other Means of Identification: Flour, Meal, Grit, Ag Flour, Ag Lime 75, 200X Filler, GL-14, 410, 614, 614c, 1 ½" Rock, Base, Rip Rap

Recommended Use: Industrial mineral uses, agricultural applications, animal feed

Recommended Restrictions: None known

Manufacturer: Blue Mountain Minerals
West End Chimney Rock Road
Paso Robles, California 93446

Emergency Contact Number: **209-533-0127**
General Information Number: 805-238-4984

Blue Mountain Minerals
24599 Marble Quarry Road
Columbia, California 95310

Emergency Contact Number: **209-533-0127**
General Information Number: 209-533-0127

www.bluemountainminerals.com

CHEMTREC emergency phone number: (800) 424-9300

Section 2 : Hazards Identification

GHS Classification: Eye Damage/Irritation Category 2B,
Skin Corrosion/Irritation Category 2B
Carcinogenicity Category 1A

Signal Word: Danger

Hazard Statement: 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^3

Section 3: Composition/Information on Ingredients

Chemical Name	Common Name	CAS Number	%
Calcium Carbonate	Limestone	1317-65-3	80-100
Crystalline Silica	Quartz	14808-60-7	0-3

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	**OSHA PEL:** TWA 15 mg/m3 (total dust) TWA 5 mg/m3 (respirable)
Crystalline Silica, Quartz	14808-60-7	**OSHA PEL:** TWA 0.3 mg/m3 (total dust) TWA 0.05 mg/m3 (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: Light Brown
Odor: None
Physical state: Solid/Powder
Odor threshold: No data available
pH: 8.5-9.5 at 10% solids
Melting/Freezing point: N/A
Boiling point: N/A
Flash point: N/A
Evaporation rate: (Butyl Acetate = 1): N/A
Flammability: Not flammable
Upper/lower flammability or explosive limits: N/A
Vapor pressure (mm Hg.): N/A
Vapor density: N/A
Relative Density: N/A
Specific gravity (H20 = 1): 2.65-2.75
Viscosity: N/A
Solubility: 0.0035g/ml (slight)
Partition coefficient: No data available
Auto-ignition temperature: N/A
Decomposition Temperature: 700 - 900^{0}C

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.

Conditions to Avoid: Avoid contact with strong oxidizing agents.

Incompatibility Materials: Strong acids

Hazardous Decomposition

Products: Heating of product above 825^{0} C will decompose to calcium oxide with release of carbon dioxide.

Section 11: Toxicological Information

Information on Likely Routes of Exposure

Inhalation: 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.

Ingestion: Not likely due to form of product. Accidental ingestion may cause discomfort.

Skin contact: Dust may cause irritation through mechanical abrasion. This product is not expected to be a skin hazard.

Eye contact: Direct contact with eyes may cause irritation through mechanical abrasion.

Information on Toxicological Effects

Acute Toxicity: Not expected to be acutely toxic.

Skin Irritation/Corrosion: This product is not expected to be a skin hazard.

Eye Irritation/Eye Damage: Direct contact with eyes may cause temporary irritation.

Respiratory Sensitization: None known.

Symptoms: Limestone dust: may cause irritation to eyes, skin, mucous membrane; sneezing, rhinorrhea (discharge of thin nasal mucous); 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.

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.