Safety Data Sheet – Limestone

Columbia, CA

Section 1: Identification

Product Identifier: Limestone
Product Names: Limestone Glass - Meal, Limestone Cogeneration - Grit, Limestone Cogeneration - Flour, Limestone Cogeneration - Feed, Limestone Environmental - Grit, Limestone Sorbant, Limestone Feed – Flour, Limestone Feed - Grit, Agricultural Limestone - Feed, Agricultural Limestone - Flour, Limestone Sand, Foundry Rock, Stucco, Bunker Sand, Sand, Microsizer Flour

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

Manufacturer: Blue Mountain Minerals
24599 Marble Quarry Road
Columbia, California 95310
www.bluemountainminerals.com

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

CHEMTREC emergency phone number: (800) 424-9300

Section 2 : Hazards Identification

Globally Harmonized System Classification:
This product is irritating to the eyes (Category 2B, Mild Irritant), Respiratory Sensitizer, and skin (Category 3, Mild Skin Irritation).

Signal Word:
Warning

Hazard Statement:
Can cause eye, respiratory and skin irritation.

Pictogram:

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

Physical Hazards:

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) = 0.1 mg/m^3

Section 3: Composition Information

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

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.

Unusual Fire and Explosion Hazards:

Reacts with fluorine, magnesium, acids, alum, and ammonium salts.

Section 6: Accidental Release Measures

Clean-up Methods:

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.

Personal Precautions and Personal Protective Equipment:

Wear appropriate protective equipment and clothing during clean-up.

Environmental Precautions:

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

Prevention of Secondary Hazards:

Reacts with fluorine, magnesium, acids, alum, and ammonium salts.

Section 7: Handling and Storage

Handling Procedures:

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.

Storage Procedures:

Do not store with incompatible materials (see Section 6).

Section 8: Exposure Controls/Personal Protection

Airborne Exposure Limits:

NIOSH: PEL	TWA 10 mg/m3 (total dust)	TWA 5mg/m3 (respirable)
OSHA: PEL	TWA 15 mg/m3 (total dust)	TWA 5mg/m3 (respirable)

Engineering Measures:

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
Vapor pressure (mm Hg.): N/A
Specific gravity (H20 = 1): 2.65 – 2.75
Solubility in water at 100 ^{0}C: 0.0035g/ml (slight)
Auto-ignition temperature: N/A

Odor: None
Odor threshold: No data available
Melting/Freezing point: N/A
Flash point: N/A
Flammability: Not flammable
Vapor density: N/A
Viscosity: N/A
Partition coefficient: No data available
Decomposition temperature: 700 - 900 ^{0}C

Section 10: Stability and Reactivity

Reactivity:
No dangerous reactions known under conditions of normal use.
Chemical Stability:
Stable
Possibility of Hazardous Reactions and Conditions to Avoid:
None
Incompatibility (Materials to Avoid):
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

POSSIBLE HEALTH EFFECTS:

Target Organs:
Eyes, skin, and respiratory system.

Exposure Routes:
Inhalation, skin, or eye contact.

Symptoms:
Irritation to eyes, skin, mucous membrane; cough, sneezing, rhinorrhea (discharge of thin nasal mucous); lacrimation (discharge of tears).

Section 12: Ecological Information

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

Section 13: Disposal Considerations

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

Section 16: Other Information, date created, last revision

Revision:

Existing Material Safety Data Sheet revised to new Globally Harmonized System (GHS) format. Revision Date: 5/18/15

This material data safety 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.