

MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

This MSDS is formatted to provide you with useful hazard warnings and health evaluations and to facilitate your compliance with local, State and Federal regulations.

SECTION I - IDENTITY: LIMESTONE

Manufacturer's Name: Blue Mountain Minerals

Emergency Telephone Number: 209-533-0127

Telephone Number for Information: 209-533-0127

Address:

24599 Marble Quarry Road
Columbia, California 95310

Date Revised: July 16, 2001

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Product Chemical Name: **Limestone** (CAS Registry No.: 1317-65-3), chemical name can vary from limestone to dolomitic limestone.

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

Specific Chemical Identity: Calcium, Magnesium Carbonate
(Magnesium carbonate: CAS Registry No.: 546-93-0)
(Calcium carbonate: CAS Registry No.: 1317-65-3)

Hazardous Component: Although some limestones typically contain minor amounts (less than 1%) crystalline silica (SiO₂) (CAS Registry No.: 1408-60-7), **laboratory sample analysis indicates this product contains less than detect levels of crystalline silica.**

EXPOSURE LIMITS FOR LIMESTONE:

ACGIH TLV (Threshold Limit Value) = 10 mg/m³ total dust (MSHA; OSHA)
5 mg/m³ Respirable dust (OSHA)

EXPOSURE LIMITS FOR CRYSTALLINE SILICA:

Current American Conference of Government Industrial Hygienist TLVs for Silica- crystalline are:

Cristobalite (CAS 14464-46-1) = 0.05 mg/m³

Quartz: (CAS 14808-60-7) = 0.1 mg/m³

Tridymite (CAS 15468-32-3) = 0.05 mg/m³

SECTION III – PHYSICAL/CHEMICAL PROPERTIES

Appearance and odor: grayish white; odorless
Boiling Point: NA
Vapor Pressure (mm Hg.): NA
Vapor Density (AIR = 1): NA
Solubility in Water at 100°C: 0.0035g/ml (slight)
Specific Gravity (H₂O = 1): 2.65 – 2.75
Evaporation Rate: (Butyl Acetate = 1): NA

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: Non-flammable Flammable Limits: LEL: None; UEL: None
Auto-ignition Temperature: NA
Extinguishing Media: Material does not burn
Special Fire Fighting Procedure: none required
Unusual Fire and Explosion Hazards: None; Limestone is not a fire or an explosion hazard.

SECTION V - REACTIVITY DATA

Stability: Stable (Inert - Neutral - Non-reacting)
Conditions to Avoid: None
Incompatibility (Materials to Avoid): acids
Hazardous Decomposition or By-products: None
Hazardous Polymerization: Will Not Occur

SECTION VI - HEALTH HAZARD DATA

ROUTES OF EXPOSURE:

Inhalation: Dust may be an irritant to respiratory system
Skin: not a route of entry
Ingestion: normally not a route of entry but dust may enter mouth

EFFECTS OF OVEREXPOSURE:

Irritation of eyes and/or respiratory system may occur if overexposed to dust. Prolonged overexposure may cause delayed lung injury. Existing medical conditions may be aggravated by prolonged overexposure.

SECTION VII - EMERGENCY AND FIRST AID PROCEDURES

Dust in eyes: Flush eyes with running water for 5- 15 minutes. Contact doctor if irritation persists/develops later.
Dust on previously irritated skin: Wash with soap/water. Contact the doctor if condition is aggravated.
Dust inhalation: Remove to well-ventilated area. Dust in the throat and nasal passages should clear spontaneously. Contact doctor if irritation persists.
Ingestion: if excessive amounts ingested, call doctor.

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hours).

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTION:

Dust may be generated during processing, handling, and storage. Use NIOSH-MSHA approved respirators for conditions where dust levels exceed appropriate exposure limits.

SPILL/LEAK PRECAUTIONS:

This material is not expected to present any environmental problem. Limestone can be used as fill and is used as soil amendment to neutralize acidic soils. Spillage, where dust may be generated, may overexpose cleanup personnel to respirable dust. Wetting of the material and/or use of respiratory protective equipment may be necessary. Avoid dry sweeping.

WASTE DISPOSAL METHODS:

No special disposal method is needed. Material may be placed in a container for later use, or disposed of as common waste. Avoid creating dust.

SHIPPING INFORMATION:

DOT shipping name: Limestone
DOT Hazard Classification: None

SECTION IX - CONTROL MEASURES

Ventilation: water the product or work in well-ventilated areas
Protective gloves: none needed
Eye Protection: use safety glasses or goggles in visibly dusty areas
Other Protection: none

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 user's 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 in which may occur in connection with the use of this information.