

Calica Limestone

1. Identification

Product name:

Calica Limestone

Other means of identification/Synonyms/Common Names:

Limestone, Aggregate, Aglime, Barn Lime, Coverstone, Crushed Stone, FGD Stone, Flexible Base, Fluxing Agent, Manufactured Sand, Mineral Filler, Screenings

Recommended use:

Calica Limestone is used as a construction material.

Recommended restrictions:

None Known

Manufacturer/Contact info:

Vulcan Materials Company and its subsidiaries and affiliates
1200 Urban Center Drive
Birmingham, AL 35242

General Phone Number:

1.866.401.5424

Emergency Phone Number:

1.866.401.5424 (3E Company, 24hours/day, 7 Days/week)

Website:

www.vulcanmaterials.com

2. Hazard(s) Identification

Physical hazards:

Not Classified

Health hazards:

Specific target organ toxicity, single exposure- Category 3



Signal word:

Warning

Hazard statement:

May Cause respiratory irritation (Inhalation).

Precautionary statement:

Prevention

- Avoid breathing dust.
- Use only outdoors or in a well ventilated area.
- Wear protective gloves, protective clothing, eye protection, and face protection.

Response

- IF INHALED: Remove victim to fresh air and keep at rest position comfortable for breathing.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

- Store locked up.

Disposal

- Dispose of contents/container in accordance with all local, regional, national, and international regulations.

Supplemental information:

In its natural bulk state, Calica Limestone is not a known health hazard.

3. Composition/information on ingredients		
Chemical name	CAS number	%
Calica Limestone -predominantly calcium carbonate	1317-65-3	100
Quartz (crystalline silica)	14808-60-7	<0.1

4. First-aid measures
Inhalation: Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or if breathing is difficult.
Eyes: Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing. Beyond flushing, do not attempt to remove material from eye(s). Contact a physician if irritation persists or later develops.
Skin: Wash affected areas thoroughly with mild soap and fresh water. Contact a physician if irritation persists.
Ingestion: If person is conscious do not induce vomiting. Give large quantity of water and get medical attention. Never attempt to make an unconscious person drink.
Most important symptoms/effects, acute and delayed: Dust may irritate the eyes, skin, and respiratory tract.
Indication of immediate medical attention and special treatment needed: For emergencies contact 3E Company at 1.866.401.5424 (24 hours/day, 7 days/week).

5. Fire-fighting measures
Suitable extinguishing media: This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media: None known.
Specific hazards arising from the chemical: Contact with powerful oxidizing agents may cause fire and/or explosions (see section 10 of SDS).
Special protective equipment and precautions for firefighters: Use protective equipment appropriate for surrounding materials.
Fire-fighting equipment/instructions: No unusual fire or explosion hazards noted. Not a combustible dust.
Specific methods: The presence of this material in a fire does not hinder the use of any standard extinguishing medium. Use extinguishing medium for surrounding fire.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures: Persons involved in cleanup processes should first observe precautions (as appropriate) identified in Section 8 of this SDS. For emergencies, contact 3E Company at 1-866-401-5424 (24 hours/day, 7 days/week).
Environmental precautions: Prevent from entering into sewers or drainage systems where it can harden and clog flow.
Methods and materials for containment and cleaning up: Do not dry sweep or use compressed air for clean-up. Wetting of spilled material and/or use of respiratory protective equipment may be necessary.

7. Handling and storage
Precautions for safe handling: Dust may be generated during processing, handling, and storage. Use personal protection and controls identified in Section 8 of this SDS as appropriate.

Conditions for safe storage, including any incompatibilities:
Do not store near food, beverages, or smoking materials.

8. Exposure controls/personal protection

Legend:

NE = Not Established; PEL = Permissible Exposure Limit; TLV = Threshold Limit Value; REL = Recommended Exposure Limit; OSHA = Occupational Safety and Health Administration; MSHA = Mine Safety and Health Administration; NIOSH = National Institute for Occupational Safety and Health; ACGIH = American Conference of Governmental Industrial Hygienists

Component	OSHA/MSHA PEL	ACGIH TLV	NIOSH REL
Calica Limestone (Calcium carbonate)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (total dust as calcium carbonate)	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)
Particulates not otherwise classified	15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction)	10 mg/m ³ (total dust) 3 mg/m ³ (respirable fraction)	NE

Exposure Guidelines:

Respirable dust levels should be monitored regularly to determine worker exposure levels. Exposure levels in excess of allowable exposure limits should be reduced by all feasible engineering controls, including (but not limited to) wet suppression, ventilation, process enclosure, and enclosed employee workstations.

Engineering Controls:

Activities that generate dust require the use of general ventilation, local exhaust and/or wet suppression methods to maintain exposures below allowable exposure limits.

Eye Protection:

Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or are anticipated.

Skin Protection (Protective Gloves/Clothing):

Use gloves to provide hand protection from abrasion. In dusty conditions, use long sleeve shirts. Wash work clothes after each use.

Respiratory Protection:

All respirators must be NIOSH-approved for the exposure levels present. (See NIOSH Respirator Selection Guide). The need for respiratory protection should be evaluated by a qualified safety and health professional. Activities that generate dust require the use of an appropriate dust respirator where dust levels exceed or are likely to exceed allowable exposure limits. Respirator use must comply with applicable MSHA (42 CFR 84) or OSHA (29 CFR 1910.134) standards, which include provisions for a user training program, respirator inspection, repair and cleaning, respirator fit-testing, medical surveillance and other requirements.

9. Physical and chemical properties

Appearance:

Angular white and tan particles ranging in size from powder to boulders.

Odor: No odor.	PH: Not applicable	Decomposition temperature: Not applicable
Melting point/freezing point: Not applicable	Initial boiling point and boiling range: Not applicable	Flash point: Non-combustible
Evaporation rate: Not applicable	Flammability: Not applicable	Upper/lower flammability or explosive limits: Not applicable
Vapor pressure: Not applicable	Relative density: Not applicable	Solubility: Negligible
Partition coefficient: n-octanol/water. Not applicable	Autoignition temperature: Not applicable	Specific Gravity (H₂O = 1): 2.5

10. Stability and reactivity
Reactivity: Not reactive under normal use.
Chemical stability: Stable under normal temperatures and pressures.
Possibility of hazardous reactions: None under normal use.
Conditions to avoid (e.g., static discharge, shock or vibration): Contact with incompatible materials should be avoided (see below). See Sections 5 and 7 for additional information.
Incompatible materials: Incompatible with acids.
Hazardous decomposition products: None.

11. Toxicological information
Primary Routes of Exposure: Inhalation and contact with the eyes and skin.
Symptoms related to the physical, chemical, toxicological characteristics Inhalation: Dusts may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing sneezing and shortness of breath may occur. Symptoms of bronchitis may include (but are not limited to) shortness of breath, greater than normal amounts of mucous in airways; coughing.
Eye Contact: Dust particles can scratch the eye causing tearing, redness, a stinging or burning feeling, or swelling of the eyes with blurred vision.
Skin Contact: Dust particles can scratch and irritate the skin with redness, an itching or burning feeling, swelling of the skin, and/or rash.
Ingestion: Expected to be practically non-toxic. Ingestion of large amounts may cause gastrointestinal irritation including nausea, vomiting, diarrhea, and blockage.
Medical Conditions Aggravated by Exposure: Irritated or broken skin increases chance of contact dermatitis. Pre-existing medical conditions that may be aggravated by exposure include disorders of the eye, skin and lung (including asthma and other breathing disorders). Smoking tobacco will impair the ability of the lungs to clear themselves of dust.
Delayed and immediate effects and also chronic effects from short- and long-term exposure: Prolonged or repeated breathing of respirable dust may cause chronic bronchitis.
Carcinogenicity: Calica Limestone is not listed as a carcinogen by IARC, NTP or OSHA.
Additional information on toxicological-effects: Acute toxicity: Not classified No specific data on product. Limestone (calcium carbonate CAS# 471-34-1) has oral LD50 (rats) = 6450 mg/kg.) Skin corrosion/irritation: Not classified Serious eye damage/eye irritation: Not classified Respiratory sensitization: Not classified. Skin sensitization: Not classified. Germ cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer (Inhalation).
Reproductive toxicity: Not classified
Specific target organ toxicity - single exposure: May Cause respiratory irritation (Inhalation).
Specific target organ- toxicity – repeated exposure: Not classified
Aspiration toxicity: Not classified (not applicable- solid material)

12. Ecological information
Ecotoxicity (aquatic and terrestrial, where available): Not determined
Persistence and degradability: Not determined
Bioaccumulative potential. Not determined
Mobility in soil. Not determined
Other adverse effects. Not determined

13. Disposal considerations
Safe handling and disposal of waste: Place contaminated materials in appropriate containers and dispose of in a manner consistent with applicable federal, state, and local regulations. Prevent from entering drainage, sewer systems, and unintended bodies of water. It is the responsibility of the user to determine, at the time of disposal, whether product meets criteria for hazardous waste. Product uses, transformations, mixture and processes, may render the resulting material hazardous.

14. Transport information
UN Number: Not regulated.
UN Proper shipping name: Not regulated.
Transport Hazard class: Not applicable.
Packing group, if applicable: Not applicable.
Marine pollutant (Yes/No): Not applicable.

15. Regulatory information
Toxic Substances Control Act (TSCA): The components in this product are listed on the TSCA Inventory or are exempt.
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA): Releases of this material to air, land, or water are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act.
Superfund Amendments and Reauthorization Act of 1986 (SARA), Title III: Section 302 extremely hazardous substances: <u>None</u> Section 311/312 hazard categories: <u>Delayed Health</u> Section 313 reportable ingredients at or above de minimus concentrations: <u>None</u>
California Proposition 65: This product contains a chemical (crystalline silica) known to the State of California to cause cancer.

State Regulatory Lists:

Each state may promulgate standards more stringent than the federal government. This section cannot encompass an inclusive list or all state regulations. Therefore, the user should review the components listed in Section 2 and consult state or local authorities for specific regulations that apply.

16. Other informationDisclaimer

NO WARRANTY IS MADE, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE.

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