

COLORADO LIME COMPANY
MATERIAL SAFETY DATA SHEET

MSDS Number: CLCLRD 1
Revision Date: December 29, 2010
Prepared pursuant to ANSI Standard
Z400.1-1998

1. Product and Company Identification

Product Name: Limestone Rockdust

Synonyms: Rock Dust, Pulverized Limestone (PLS),
Ground Calcium Carbonate

Company Identification:

Colorado Lime Company
1468 Hwy 50
Delta, CO 81416
970-874-8300

Colorado Lime Company
400 E. RR St.
Salida, CO 81201
719-539-3525

2. Composition/Information on Ingredients

Component	CAS #	Exposure Limits	% by weight
Calcium Carbonate	1317-65-3	OSHA PEL for Total Dust : 15 mg/m ³ OSHA PEL for Respirable: 5 mg/m ³ ACGIH TLV: 2 mg/m ³	85% - 90%
Magnesium Carbonate	546-93-0	OSHA PEL Total Dust: 15 mg/m ³ OSHA PEL for Respirable: 5 mg/m ³ ACGIH TLV: 10 mg/m ³	Avg. 8.86 %
Silica Dioxide	7631-86-9	OSHA PEL for Total Dust: 30 mg/m ³ divided by the percentage of silica in the dust plus 2 (respirable) ACGIH TLV: 0.1 mg/m ³	< 4 %
Iron Oxide	1309-37-1	OSHA PEL: 10 mg/m ³	Avg. 0.31%
Trace Minerals			<1.0%

OSHA Regulatory Status: This material is subject to 29 CFR 1910.1200 (Hazard Communication).

3. Hazards Identification

Emergency Overview:

Potential Health Effects

Eyes: particles in eyes

Skin: no hazard

Ingestion: no hazard

Inhalation: Limestone (rockdust) is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica in the form of quartz or cristobalite, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Medical Conditions Aggravated by Exposure: Contact may aggravate disorders of eyes and respiratory system as any dust would.

Potential Environmental Effects: This material is slightly alkaline and if released into water or moist soil might cause an increase in pH. Provide general ventilation for dust control to meet TLV requirements. Provide approved dust respirators for non-routine use above TLV.

4. First Aid Measures **None Required**

5. Fire Fighting Measures

Fire Hazards: Limestone (rockdust) is not combustible or flammable and is not considered to be an explosion hazard.

Hazardous Combustion Products: None.

Extinguishing Media: N/A

Fire Fighting Instructions: N/A

6. Accidental Release Measures

Spill /Leak Procedures:

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Do not clean up with compressed air. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Evacuate area downwind of clean-up operations to minimize dust exposure.

Containment: For large spills, as much as possible, avoid the generation of dusts. Prevent release to sewers or waterways.

Cleanup: Residual amounts of material can be flushed with large amounts of water. Equipment can be washed with either a mild vinegar and water solution, or detergent and water.

7. Handling and Storage

Handling: Do not ingest. Avoid contact with eyes. Wear suitable clothing. If ingested, seek medical advice immediately. Keep away from incompatibles such as oxidizing agents, acids

Storage: Store in a cool, dry, and well-ventilated location. Do not store near incompatible materials. Keep away from moisture.

8. Exposure Controls/Personal Protection

Engineering Controls: Provide ventilation adequate to maintain PELs.

Respiratory Protection: Use NIOSH/MSHA approved respirators if airborne concentration exceeds PEL.

Skin Protection: N/A

Eye Protection: Use safety glasses with side shields or safety goggles.

Other: Eye wash fountain is recommended.

9. Physical and Chemical Properties

Appearance: White or grayish-white material.

Odor: Slightly “earthy” but not offensive

Physical State: Solid

Melting Point: NA

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 1.4 – 1.5

Solubility in Water: Negligible

pH at 25 degrees C: 12.45 (approximately)

10. Stability and Reactivity

Stability: Chemically stable.

Incompatibility/Conditions to Avoid: Windy environment could cause excessive dusting.

Hazardous Decomposition Products: None

Hazardous Polymerization: None

11. Toxicological Information:

No LD50/LC50 has been identified for this product’s components. Pulverized Limestone (PLS), Ground Calcium Carbonate, Rockdust is not listed by MSHA, OSHA, or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica, which has been classified by IARC as (Group I) carcinogenic to humans when inhaled in the form of quartz or cristobalite.

12. Ecological Information:

Ecotoxicity: None

Environmental Fate: This material shows no bioaccumulation effect or food chain concentration toxicity.

13. Disposal Considerations:

Dispose of in accordance with all applicable federal, state, and local environmental regulations. If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act.

14. Transportation Information:

Limestone (rockdust) is not classified as a hazardous material by DOT when transported by any means.

15. Regulatory Information:

EPA Regulations:

RCRA Hazardous Waste Number: not listed (40 CFR 261.33)
RCRA Hazardous Waste Classification (40 CFR 261): not classified
CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b) (4); CWA, Sec. 307 (a), CAA, Sec. 112
CERCLA Reportable Quantity (RQ) not listed.
SARA 311/312 Codes: not listed.
SARA Toxic Chemical (40 CFR 372.65): not listed.
SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ): not listed.
All chemical ingredients are listed on the USEPA TSCA Inventory List.

OSHA/MSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): 5 mg/M³ TWA-8
MSHA: not listed.
OSHA Specifically Regulated Substance (29CFR 1910) not listed.

State Regulations: Consult state and local authorities for guidance.

The above MSDS complies with MSHA'S Hazard Communication Standard 30 CFR, Part 47 and OSHA's Hazard Communication standard 29 CFR 1910.1200 and OSHA form 174. We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied.