CARTHAGE CRUSHED LIMESTONE

SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Pulverized Limestone (Calcium Carbonate)
Other Means of Identification: Calcium Carbonate, Pulverized Limestone, Ground or "Fine Grind" Limestone, Ground Calcium Carbonate, Agriculture Limestone, Limestone Aggregates.
TRADE Names: C 16/200 (Orange Label), C 4/S (Powder), (Black Label) C5, (Blue Label) Agriculture Purposes, C-5 (Green Label)

Recommend Use of the chemical and restrictions on use: Selected Ground Limestone for Livestock, Poultry Feed Ingredient, and Agriculture Purposes, Fertilizer, and Industries

Company Identification:

Carthage Crushed Limestone
890 N Francis
P.O. Box 1086
Carthage, MO 64836
Information: 417 526-5600 Emergency 417 526-5600

Fax 417 358-5527

2. Hazards Identification

Hazard Classification
Eye Damage Category – 0, Skin Irritation Category -0, Specific Organ Single Exposure Category – 0, Carcinogen Category – 0.

Label Elements:
Signal Word: Danger

Emergency Overview: Pulverized Limestone (Rock Dust) is odorless and white or grayish in color. Contact to pulverized limestone of limestone dust can cause irritation to the eyes, skin, respiratory system and gastrointestinal tract.

Potential Health Effects

Eyes: Particles in eyes may cause irritation

Skin: Contact to pulverized limestone or limestone dust MAY cause dryness and irritation of the skin.

Ingestion: May cause discomfort of constipation is swallowed. If large quantities are swallowed, it may cause nausea, hypocalcaemia or hemorrhage.

Inhalation: Inhalation of pulverized limestone or limestone dust may cause irritation of the respiratory system resulting in coughing and/or sneezing.
Pulverized Limestone 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 crystobalite, 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. Wear NIOSH N-95 particulate respirators if airborne concentration exceeds PEL.

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

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

Signal Word: Danger

Hazard Statements: Danger! Cause skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause cancer through inhalation. Causes damage to lungs through prolonged or repeated exposure.

Symbols:

Precautionary Statements:

Do not breathe dust. Do not eat, drink or smoke when using this product.

Do not handle until all safety precautions have been read and understood.

Calcium Carbonate dust is a physical irritant of the eyes, nose, mucous membranes and skin of humans.

If in eyes: Irritation may result. Immediately and thoroughly flush eyes with large amounts of water, occasionally lifting the upper and lower eyelids. Rinse cautiously with water for several minutes. Recommended not to wear contacts, however if contacts are being worn - Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.

If Inhaled: Exposure to large amounts of this substance may cause coughing, sneezing, and nasal irritation. Do not breathe dust. Do not eat, drink or smoke when using this product, Remove person(s) to fresh air and keep comfortable for breathing. Have victim blow his or her nose, or use a soft tissue to remove particulates or residues from the nostrils. Seek medical attention if you feel unwell.

If on skin; Dryness and/or irritation may exist. Do not eat, drink or smoke when using this product.
Immediately and thoroughly wash contaminated skin with soap and water. If skin irritation occurs: Take off contaminated clothing and wash it before reuse. If exposed or concerned seek medical advice.

Dispose of contents or containers in accordance with applicable regulations.

Hazards not otherwise classified: NA

Ingredients with unknown toxicity: NA

3. Composition/Information on Ingredients

Component	CAS #	% by weight
Calcium Carbonate	1317-65-3	< 96.65 %
Crystalline Silica	14808-60-7	< 1.30 %

4. First Aid Measures

Eyes: Do not rub eyes. Immediately flush eyes with generous amounts of water for at least 15 minutes. Pull back the eyelid to ensure that all lime dust has been washed out. Seek medical advice, if needed.

Ingestion: This product can cause irritation of the gastrointestinal tract if swallowed. Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Inhalation: This product can cause irritation of the respiratory system. Move victim to fresh air. Seek medical attention if necessary. If breathing has stopped, give artificial respiration.

Most important symptoms and effects, both acute and delayed: Irritation of skin, eyes, gastrointestinal tract or respiratory tract. Long-term exposure by inhalation may cause permanent damage. This product contains crystalline silica, which has been classified by IARC as (Group 1) carcinogenic to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Indication of any immediate medical attention and special treatment needed: See first aid information above. Note to Physicians: Provide general supportive measures and treat symptomatically.

5. Fire Fighting Measures

Fire Hazards: Limestone (rock dust) 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 and Storage: Store in a cool, dry, and well-ventilated location. Store in original containers or dry bulk tanks. Protect containers from physical damage.

8. Exposure Controls/Personal Protection

Component	CAS #	Exposure Limits
Calcium Carbonate	1317-65-3	OSHA PEL: 15 mg/m3 (Total) 5 mg/m3 (respirable) ACGIH TLV: 2 mg/m3
Magnesium Carbonate	546-93-0	OSHA PEL: 15 mg/m3 (total), 5 mg/m3 (respirable) ACGIH TLV: 10 mg/m3
Crystalline Silica	14808-60-7	OSHA PEL: 10 mg/m3 divided by % quartz + 2 (respirable fraction) ACGIH TLV: 0.025 mg/m3 (respirable)

Engineering Controls: Provide ventilation adequate to maintain PELs.

Individual Protection Measures:

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

Skin Protection: Use appropriate gloves to prevent skin contact. Where there is a risk of skin contact, wear suitable clothing to prevent such contact.

Eye Protection: Use safety glasses with side shields or safety goggles. Contact lenses should not be worn when working with lime products.

Other: Eye wash fountain and emergency showers are recommended.

9. Physical and Chemical Properties

Appearance: White or grayish-white material.

Odor: Slightly "earthy" but not offensive

Physical State: Solid

Melting Point: 825C (aragonite); 1,339C (calcite)

Vapor Pressure: N/A

Specific Gravity at 20 degrees C: 2.7 - 2.83.

pH at 25 degrees C in water saturated solution: 9.4

Vapor Density: N/A

Solubility in Water: Negligible

Molecular weight: 100.09

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:

This product 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.

Exposure limits: See section(s) 4 and 8 above.

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 (rock dust) 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/M^3 TWA-8
MSHA: not listed.
OSHA Specifically Regulated Substance (29CFR 1910) not listed.

NFPA: Health-1, Fire-0, Reactivity-0

State Regulations: Consult state and local authorities for guidance.

16. Other Information:
Date of preparation or last revision of this Safety Data Sheet: 06/02/2020