

U S LIME COMPANY – St Clair
SAFETY DATA SHEET

1. Product and Company Identification

Product Name: Calcium Carbonate
CaCO₃

Other Means of Identification: Quarry fines,
PLS, Raw Limestone

Recommender Use of the chemical and restrictions on use: Emissions control for coal fired generating power plants, feed supplement ingredient, agriculture lime

Company Identification:

U S Lime Company – St Clair
P.O. Box 160
Marble City, OK 74945

Information: (918) 775-4466

Emergency: (800) 366-5106

2. Hazards Identification CAS# 1317-65-3

Hazard Classification: Eye Damage Category - 0, Skin Irritation Category - 0, Specific Organ Single Exposure Category – 0 (Respiratory System), Carcinogen Category – 0.

Emergency Overview: Quarry fines are odorless and grayish in color.

Potential Health Effects

Eyes: Particles in eyes may cause irritation

Skin: NA

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

Inhalation: Quarry fines are 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. 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: NA

Signal Word: Danger!

Hazard Statements: Danger! Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause cancer through inhalation.

Symbols:



Precautionary Statements:

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 if needed.

If inhaled: Exposure to large amounts of this substance may cause coughing, sneezing, and nasal irritation. 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 needed.

If on skin; Irritation may exist. 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: Get medical advice.

Dispose of contents or containers in accordance with applicable regulations.

Hazards not otherwise classified: Not a dangerous substance according to GHS classification criteria.

Ingredients with unknown toxicity: NA

3. Composition/Information on Ingredients

Component	CAS #	% by weight
Calcium Carbonate	1317-65-3	>90 %
Crystalline Silica	14808-60-7	<1%

4. First Aid Measures

Eyes: Do not rub eyes and 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: If swallowed, do not induce vomiting. Never give anything by mouth unless instructed to do so by medical personnel. Seek medical advice if necessary.

Inhalation: In case of accident by inhalation, remove to fresh air and keep a rest. Seek medical advice if necessary.

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: Quarry fines are not combustible or flammable and are not considered to be an explosion hazard.

Hazardous Combustion Products: N/A.

Extinguishing Media: Use media suitable to extinguish surrounding fire.

Fire Fighting Instructions: NA

6. Accidental Release Measures

Spill /Leak Procedures: NA

Cleanup: Normal housekeeping.

7. Handling and Storage

Handling: Avoid creating or inhaling dust. Do not ingest or take internally.

Storage Store in a cool, dry, and well-ventilated location.

8. Exposure Controls/Personal Protection

Component	CAS #	Exposure Limits
Calcium Carbonate	1317-65-3	OSHA TWA: 15 mg/m ³ (Total) 5 mg/m ³ (respirable) ACGIH TLV: 2 mg/m ³
Crystalline Silica	14808-60-7	OSHA PEL: 10 mg/m ³ /divided by % silica+2 ACGIH TLV: 0.25 mg/m ³

Engineering Controls: Provide ventilation adequate to maintain PELs.

Individual Protection Measures:

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

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

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

Other: Eye wash station and emergency showers are recommended.

9. Physical and Chemical Properties CaCO₃

Appearance: White or grayish-white material, chalk taste.

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 - 2.9.

pH at 25 degrees C in water saturated solution: <8.7

Vapor Density: N/A

Solubility in Water: 0.013 g/L

Molecular weight: 100.09 g/mol

10. Stability and Reactivity

Stability: Chemically stable.

Incompatibility/Conditions to Avoid: Windy and dry 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.

Routes of Entry: Inhalation and/or eye or skin contact

Symptoms (Acute): Respiratory Irritation, Eye Irritation

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:

Quarry fines are 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.

NFPA: Health-0, 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: 05/19/2015