

SAFETY DATA SHEET

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

1. IDENTIFICATION

Product name: CIMFILL 600, CIMFEED 200, CIMPOOL SAND, CIMTURF 5, CIMCARB 12, CIMCARB 100, CIMCRETE 25, EXCAL 100, EXCAL 200, EXCAL 325, EXCAL 400, CW100, CW200, CW325, CW0814, CW1020, CW1640, CW200, CW325, CW400, CW40200, TRUECARB 10, TRUECARB 1200, TRUECARB 150, TRUECARB 1800, TRUECARB 25, TRUECARB 400, TRUECARB 5, TRUECARB 50, TRUECARB 800.

Chemical name Calcium Carbonate
CAS number 1317-65-3
Molecular Weight: 100.1 g/mol

Recommended use of the chemical and restrictions on use
Application: Functional mineral for use in industrial applications.
Uses advised against: Not for human or animal consumption.

Details of the supplier of the safety data sheet
Supplier / Manufacturer Cimbar Resources, Inc.
49-O Jackson Lake Rd. / Chatsworth, Georgia 30705 USA
+1 800-852-6868

Emergency telephone number: +1 800-852-6868

2. HAZARD IDENTIFICATION

Classification of the substance or mixture:
Physical hazards: Not Classified
Health hazards: STOT RE 1 - H372
Environmental hazards: Not Classified

Human health: Long term exposure to crystalline silica can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

Label elements:

Hazard symbols:



Signal word: Danger
Hazard statements: H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary statements:

P260 Do not breathe dust.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P314 Get medical advice/ attention if you feel unwell.
P501 Dispose of contents/ container in accordance with national regulations.

Contains: Quartz

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances:

Ground Limestone CAS number: 1317-65-3	>95%
Classification Not Classified	
Quartz 5% CAS number: 14808-60-7	~ 5%
Classification STOT RE 1 - H372	
Water CAS number: 7732-18-5	<0.5%

The full text for all hazard statements is displayed in Section 16.

Chemical name: Calcium Carbonate

CAS number: 1317-65-3

Composition comments: The quartz weight % reported above is total weight and not respirable. A proportion of the quartz may become available in the respirable fraction. The level of exposure to respirable crystalline silica will depend on the actions performed on the product during handling and use. Exposure levels should, therefore, be measured during use, in comparison to relevant occupational exposure limits, as exposure cannot be determined from bulk product analysis.

4. FIRST-AID MEASURE

Description of first aid measures:

General information: Get medical attention if any discomfort continues. Consult a physician for specific advice.

Inhalation: Move affected person to fresh air at once.

Ingestion: Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person.

Skin Contact: Wash with plenty of soap and water.

Eye contact: Rinse cautiously with water for several minutes.

Most important symptoms and effects, both acute and delayed:

General information: The product is considered to be a low hazard under normal conditions of use. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Indication of immediate medical attention and special treatment needed:

Notes for the doctor: No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media:

Suitable extinguishing media: The product is non-combustible. The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture:

Specific hazards: Will decompose at temperatures exceeding 840°C/1500°F. The product will produce carbon dioxide on strong heating or reaction with acid.

Advice for firefighters:

Protective actions during firefighting: Wear suitable respiratory protection. No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Use proper respiratory and personal protective equipment. MSHA / NIOSH or OSHA/NIOSH approved respirator recommended. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills on floors or concrete pads.

For emergency responders: Ensure adequate ventilation. Keep dust levels to a minimum.

Environmental precautions:

Environmental precautions: Avoid discharge into drains or watercourses or onto the ground

Methods and material for containment and cleaning up:

Methods for cleaning up: Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Vacuum, pump or scoop spilled material into containers for reclaiming or disposal. Do not discharge into drains, watercourses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling:

Usage precautions: Do not eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas. Provide adequate ventilation. Avoid breathing dust. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Conditions for safe storage, including any incompatibilities:

Storage precautions: Store in a cool and well-ventilated place. Store away from acids.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits:

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Ground Limestone:

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m³ respirable fraction

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m³ total dust

Quartz

Long-term exposure limit (8-hour TWA): OSHA 0.05 mg/m³ respirable dust

Long-term exposure limit (8-hour TWA): ACGIH 0.025 mg/m³ respirable fraction

A2

OSHA = Occupational Safety and Health Administration.

ACGIH = American Conference of Governmental Industrial Hygienists. A2 = Suspected Human Carcinogen.

Immediate danger to life and health: 25 mg/m³

Quartz (CAS: 14808-60-7)

Ingredient comments: Long term exposure to crystalline silica can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure.

Immediate danger to life and health: 25 mg/m³ 50 mg/m³

Exposure controls:

Appropriate Engineering Controls: Provide adequate ventilation. Mechanical ventilation or local exhaust ventilation may be required. In case of insufficient ventilation, wear suitable respiratory equipment. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of dust.

Eye/face protection: Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

Hand protection: For prolonged or repeated skin contact use suitable protective gloves.

Hygiene measures: Wash hands thoroughly after handling. Use appropriate skin cream to prevent drying of skin.

Respiratory protection: Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

Environmental exposure controls: Dispose of contents/containers in accordance with local regulations

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Appearance: Sand

Color: White

Odor: Odorless

Odor threshold: Does not apply, as product is odorless

pH: 8-9

Melting point: >1300 C / 2400°F

Initial boiling point and range: Not applicable.

Flash point: Not applicable.

Evaporation rate: Not applicable.

Flammability (solid, gas): Nonflammable

Upper/lower flammability or explosive limits: Not applicable.

Vapor pressure: Not applicable.

Vapor density: Not applicable.

Relative density: 2.71 g/cm³

Solubility(ies): Slightly soluble in water.

Partition coefficient: No information available.

Auto-ignition temperature: Not applicable.

Decomposition Temperature: >840°C/>1500°F

Viscosity: Not applicable.

Explosive properties: Not considered to be explosive.

Refractive index: 1.6

Molecular weight: 100.1

Volatile organic compound: Not applicable.

10. STABILITY AND REACTIVITY

Reactivity: When in contact with acids this product will form calcium oxide and carbon dioxide.

Stability: No stability concerns. Stable at normal ambient temperatures. Will decompose at temperatures exceeding 840°C/1500°F. The product will produce carbon dioxide on strong heating or reaction with acid. When in contact with acids this product will form calcium oxide and carbon dioxide.

Conditions to avoid: Acids.

Materials to avoid: Acids.

Hazardous decomposition products: Carbon dioxide (CO₂), Calcium oxide (CaO).

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects:

Acute toxicity - oral

Notes (oral LDeo) 6450 mg/kg (rat)

Skin corrosion/irritation

Skin corrosion/irritation: Prolonged contact may cause dryness of the skin.

Serious eye damage/irritation: Serious eye damage/irritation Slightly irritating.

Carcinogenicity:

IARC carcinogenicity: Crystalline silica dust (quartz): IARC Group 1 Carcinogenic to humans.

NTP carcinogenicity: Crystalline silica, respirable (Quartz): Known human carcinogen.

Specific target organ toxicity - repeated exposure:

STOT - repeated exposure: Long term exposure to crystalline silica can cause lung injury (silicosis). IARC and NTP have determined that crystalline silica inhaled from occupational exposure sources can cause cancer in humans. Risk of injury is dependent on duration and level of exposure.

Target organs: Lungs

Aspiration hazard:

Aspiration hazard: Not anticipated to present an aspiration hazard

Inhalation: Dust in high concentrations may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing pneumoconiosis

Skin Contact: Prolonged contact may cause dryness of the skin.

Eye contact: May cause eye irritation

12. ECOLOGICAL INFORMATION

Ecotoxicity: The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

Persistence and degradability

Persistence and degradability: The product is biodegradable.

Bio accumulative potential

Bio-Accumulative Potential: Bioaccumulation is unlikely.

Partition coefficient: No information available.

Mobility in soil
Mobility Slightly soluble in water. Will sediment over time.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

General information: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods: Dispose of contents/container in accordance with local regulations.

14. TRANSPORT INFORMATION

General: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

DOT transport notes: Not regulated.

Environmental hazards:

Environmentally Hazardous Substance: No.

15. REGULATORY INFORMATION

US Federal Regulations:

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities: Not listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA): Not listed.

SARA 313 Emission Reporting: Not listed.

SARA (311/312) Hazard Categories: Delayed

This product is subject to the reporting requirements of SARA 312 at a threshold quantity of 10,000 pounds.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

WARNING 

This product can expose you to chemicals including crystalline silica (quartz), which is known to the state of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Massachusetts •Right To Know" List: The following ingredients are listed: Quartz (crystalline silica)

Rhode Island Right To Know" List: The following ingredients are listed: Quartz (crystalline silica)
Ground Limestone

Minnesota Right To Know" List: The following ingredients are listed: Quartz (crystalline silica)
Ground Limestone

New Jersey Right To Know" List: The following ingredients are listed: Quartz (crystalline silica)
Ground Limestone

Pennsylvania Right To Know" List: The following ingredients are listed: Quartz (crystalline silica)
Ground Limestone

Inventories

EU • EINECS/ELINCS: Yes

Canada – DSUNDSL: Covered on the Canadian Domestic Substances List (DSL) by the entry "naturally occurring substances" (Environment Canada, 1998).

NDSL

US-TSCA: Yes

US - TSCA 12(b) Export Notification: No.

Australia – AICS: Yes.

Japan-ENCS: Yes.

Korea-KECI: Yes.

China – IECSC: Yes.

Philippines • PICCS: Yes.

New Zealand – NZIOC: Yes.

Taiwan – TCSI: Yes.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet:

CFR: Code of Federal Regulation DOT: Department of Transportation

IARC: International Agency for Research on Cancer

IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration RCRA: Resource Conservation and Recovery Act TWA: Time Weighted Average

Classification abbreviations and acronyms:

STOT RE = Specific target organ toxicity-repeated exposure

Hazard statements in full:

H372 Causes damage to organs through prolonged or repeated exposure.

H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.

ACA HMIS Health rating: Slight Hazard. (1)

ACA HMIS Flammability rating: Will not burn. (0)

ACA HMIS Physical hazard rating: Normally stable. (0)

ACA HMIS Personal protection rating: E

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