



SAFETY DATA SHEET
COLUMBIA RIVER CARBONATES

Product: Garden Pearls[®] Calcium
Version: 1.0
Page: 1 of 5
Revision Date: 8/8/16

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name/Trade Name(s): Garden Pearls[®] Calcium
Common Name: Calcium carbonate, Limestone
Chemical Name: Calcium carbonate
Chemical formula: CaCO₃

Manufacturer or Supplier's Details:

Company name of supplier: Columbia River Carbonates
Address: 300 N. Pekin Road,
Woodland, WA 98674
Telephone: (360) 225-6505
Emergency Phone: (360) 225-6505

Recommended use of the chemical and restrictions on use:

Recommended Use: Agricultural soil amendment
Restrictions on use: For agricultural use only

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

| | |
|-------------------|---------------------|
| Appearance | Brown granular mix |
| Odor | Slight mineral odor |

GHS Classification

Carcinogenicity: Category 1A

GHS Label element

Hazard pictograms:



Signal Word: Danger

Hazard Statements: H350 May Cause cancer.

Precautionary Statements:

Prevention:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood
P281 Use personal protective equipment as required.

Response:

P308 + P313 IF exposed or concerned: Get medical advice/attention

Storage:

P405 Store locked up.



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Version: 1.0
Page: 2 of 5
Revision Date: 8/8/16

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant

Potential Health Effects

Carcinogenicity:

IARC

Group 1: Carcinogenic to humans
Quartz (SiO₂) CAS# 14808-60-7

NTP

The NTP's Report on Carcinogens lists crystalline silica (respirable size) as a known human carcinogen.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients

| Chemical Name | CAS-No. | Typical composition (%) |
|---|------------|-------------------------|
| Limestone | 1317-65-3 | 85-95% |
| Proprietary Binder | | 5-10% |
| Quartz – Total (naturally-occurring component of limestone) | 14808-60-7 | < 1% |

SECTION 4 – FIRST AID MEASURES

If inhaled:

Move to fresh air in case of accidental inhalation of dust.
If symptoms persist, call a physician.

In case of skin contact:

In case of skin contact, wash off with soap and plenty of water
Cover irritated area with an emollient.
Remove contaminated clothing and shoes. Wash clothing before reuse.
Seek medical attention if irritation persists.

In case of eye contact:

Flush thoroughly with water as a precaution.
Remove contact lenses.
Keep eye wide open while rinsing.

If swallowed:

Rinse mouth thoroughly with water and drink afterwards plenty of water to dilute material in stomach.
Do not induce vomiting.
Never give anything by mouth to an unconscious person.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point:

Non-Flammable

Suitable extinguishing media:

This material is not combustible. Appropriate extinguishing media for surrounding fire should be used.

Hazardous combustion products:

None.

Special protective equipment for fire fighters:

In the event of fire, wear self-contained breathing apparatus.



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Version: 1.0
Page: 3 of 5
Revision Date: 8/8/16

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled: Use dry methods to collect spilled materials, and reuse clean materials. Avoid generating dust. Do not clean up with compressed air. Minimize dust by evacuating area downwind in the case of large spills. Store contaminated materials in dry, sealed plastic or non-aluminum metal containers. Residues on surfaces may be washed with water.

Environmental precautions: No special environmental precautions required. None of the components in this product are subject to the reporting requirements of Title III or SARA, 1986 and 40 CFR

SECTION 7 – HANDLING AND STORAGE

Advice on Safe Handling: For personal protection see section 8.
No special handling advice required.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

Materials to avoid: Do not store near acids.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| Ingredients | CAS # | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|----------------------------|------------|-------------------------------|--|-----------|
| Limestone | 1317-65-3 | TWA (Respirable) | 5 mg/m ³ | NIOSH REL |
| | | TWA (Total) | 10 mg/m ³ | NIOSH REL |
| | | TWA (Total dust) | 15 mg/m ³ | OSHA Z-1 |
| | | TWA (respirable fraction) | 5 mg/m ³ | OSHA Z-1 |
| | | TWA (Total dust) | 15 mg/m ³ | OSHA P0 |
| Quartz (SiO ₂) | 14808-60-7 | TWA (Respirable) | 5 mg/m ³ | OSHA P0 |
| | | TWA (Total dust) | 30 mg/m ³ / %SiO ₂ +2 | OSHA Z-3 |
| | | TWA (Respirable) | 10 mg/m ³ / %SiO ₂ + 2 | OSHA Z-3 |
| | | TWA (Respirable) | 250 mppcf / %SiO ₂ + 5 | OSHA Z-3 |

Personal Protective Equipment

Respiratory Protection: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Skin protection remarks: For prolonged or repeated contact, use protective gloves.

Eye protection: Safety Glasses with side shield, goggles, or face mask recommended

Skin and body protection: Protective suit

Hygiene measures: General industrial hygiene practice

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular mix
Color: Light brown



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Page: 4 of 5

Revision Date: 8/8/16

| | |
|-----------------------------------|---|
| Odor: | Slight mineral odor |
| pH: | 8.5-9.5, Concentration: 100g/l (20°C) Method: DIN-ISO 787/9 |
| Boiling/Melting Point: | Decomposition: Decomposes below the boiling point / melting point |
| Flash Point: | Non-Flammable |
| Flammability (solid, gas): | Does not ignite |
| Vapor Pressure: | N/A |
| Specific Gravity: | 2.7-2.9 g/ml |
| Thermal Decomposition: | >600°C |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|---|--|
| Reactivity: | Stable under recommended storage conditions. |
| Chemical Stability: | No decomposition if stored and applied as directed. |
| Incompatibility (Material to Avoid): | Reacts with acids and liberates carbon dioxide. This displaces the oxygen in the air in closed spaces (danger of suffocation). |
| Hazardous Decomposition Products: | Thermal decomposition can produce calcium oxide and carbon dioxide. |

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity

Product:
Acute oral toxicity LD50 Oral (Rat) >5,000 mg/kg

Ingredients:
Limestone:
Acute oral toxicity: LD50 Oral (Rat) >5,000 mg/kg

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

Product:
No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

SECTION 12 – ECOLOGICAL INFORMATION



SAFETY DATA SHEET
COLUMBIA RIVER CARBONATES

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Version: 1.0
Page: 5 of 5
Revision Date: 8/8/16

Ingredients:

Limestone:

| | |
|---|--|
| Toxicity to fish: | LC50 (Oncorhynchus mykiss (rainbow trout)): 10,000 mg/l Exposure time: 96 h |
| Toxicity to daphnia and other: aquatic invertebrates | ED50 (Daphnia magna (Water flea)): >1,000 mg/l Exposure time: 48 h |
| Toxicity to algae: | ED50 (Desmodesmus subspicatus (green algae)): >200 mg/l Exposure time: 72 h |

SECTION 13 – DISPOSAL CONSIDERATIONS

From a waste perspective, this product is not considered hazardous and may be disposed of as solid waste in accordance with applicable federal, state, provincial, and local regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Hazard Classification: None

Placard Required: None

SECTION 15 – REGULATORY INFORMATION

OSHA Hazards: Carcinogen

California Proposition 65:

Warning: Airborne particles of respirable size of crystalline silica are known to the State of California to cause cancer.

FDA: Product is manufactured for agricultural applications. As such, FDA regulations do not apply.

SECTION 16 – OTHER INFORMATION

Prepared by Technical Support Group

The information contained herein has been compiled by Columbia River Carbonates from sources it considers reliable, and is accurate to the best of Columbia River Carbonates' knowledge. Before using the product identified hereon, the foregoing SDS and the product label should be read carefully. The information contained herein relates only to the product identified hereon, and does not relate to its use in combination with any other material or in any process. Customers are encouraged to conduct their own tests concerning the use of the product identified hereon as each customer's manner and conditions of use and handling may involve additional considerations. Columbia River Carbonates assumes and shall incur no liability for any damages, losses, injures, costs, or consequential damages that may result from the uses or misuse of the product identified hereon, and the recipient assumes all of such liability.