



SAFETY DATA SHEET
COLUMBIA RIVER CARBONATES

Product: MICRONA™ - Prilled Lime
Version: 1.3
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Revision Date: 8/28/17

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name/Trade Name(s): MICRONA™ - Prilled Lime

Common Name: 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

Not a hazardous substance or mixture

GHS Label element

Not a hazardous substance or mixture

Health Hazards: May be irritating to the respiratory tract, eyes, and skin. Ingestion may cause gastrointestinal upset.

Eye Contact: Direct contact with dust may cause irritation by mechanical abrasion.

Skin Contact: Direct contact may cause irritation by mechanical abrasion

Ingestion: If ingested, intestinal obstruction may occur if the material hardens, especially in the pyloric region.

Inhalation: Dusts may irritate the nose, throat, and respiratory tract by mechanical abrasion. Coughing, sneezing, and shortness of breath may occur following exposures in excess of appropriate exposure limits.



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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients

Chemical Name	CAS-No.	Typical composition (%)
Calcium carbonate	1317-65-3	85-95%
Calcium lignosulfonate	8061-52-7	1-2%

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, immediately rinse area with water. Cover irritated area with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if irritation persists.
- In case of eye contact:** In case of contact immediately flush eyes with water for a minimum of 15 minutes. Warm water is recommended but cold water may be used
- 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.

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



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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
Calcium Carbonate	1317-65-3	TWA (Respirable)	5 mg/m3	OSHA Z-1
		TWA (Total)	15 mg/m3	OSHA Z-1

Personal Protective Equipment

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

Skin protection remarks: No personal protection is recommended

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

Ventilation: Local exhaust ventilation recommended

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Granular mix
Color: Light brown
Odor: Slight mineral odor
pH: 7.66
Boiling/Melting Point: N/A
Flash Point: Non-Flammable
Flammability (solid, gas): Does not ignite
Vapor Pressure: N/A
Specific Gravity: 2.7-2.9 g/ml
Solubility in Water: 0.014 g/L @ 20°C
Thermal Decomposition: 825°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. Avoid exposure to acids

Hazardous Decomposition Products: When heated to high temperatures above 825°C, product may decompose to calcium oxide with release of carbon dioxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Calcium carbonate

Exposure route: Inhalation, skin, and/or eye contact.



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Target organs: Eyes, skin, respiratory system.

Acute Effect: Calcium carbonate dust has an irritant effect on eyes, skin, and respiratory system. It has been reported that there may be a silicosis risk when using impure limestone containing an excess of 3% quartz. However, it is claimed that pure calcium carbonate does not cause pneumoconiosis. Adverse health effects have generally not been reported in literature among workers exposed to CaCO₃.

SECTION 12 – ECOLOGICAL INFORMATION

Ingredients:

Limestone:

Toxicity to fish: LC50 (Oncorhynchus mykiss (rainbow trout)): 10,000 mg/l
Exposure time: 96 h

Toxicity to daphnia and other: ED50 (Daphnia magna (Water flea)): >1,000 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae: ED50 (Desmodesmus subspicatus (green algae)): >200 mg/l
Exposure time: 72 h

SECTION 13 – DISPOSAL CONSIDERATIONS

May be disposed of as an inert solid in sanitary landfill or by other procedures in accordance with all federal, state, and local regulations. May be used as a supplement on land and on some agricultural products.

SECTION 14 – TRANSPORT INFORMATION

DOT Hazard Classification: None

Placard Required: None

SECTION 15 – REGULATORY INFORMATION

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, injuries, 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.