



**SAFETY DATA SHEET**  
**COLUMBIA RIVER CARBONATES**

Product: MICRONA™ Prill Gypsum  
Version: 2.0  
Page: 1 of 6  
Revision Date: 1/5/21

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

Product Name/Trade Name(s): MICRONA™ Prill - Gypsum, MICRONA™ Pro – Gypsum,  
MICRONA™ Greens - Gypsum

Common Name: Calcium sulfate dihydrate, gypsum

Chemical Name: Calcium sulfate dihydrate

Chemical formula:  $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$

**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

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**SECTION 2 – HAZARDS IDENTIFICATION**

**GHS Classification**

Not a hazardous substance or mixture

**GHS Label elements**

Not a hazardous substance or mixture

**Potential Health Effects**

**Carcinogenicity:**

**IARC**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

**NTP**

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

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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/Mixture: Mixture

**Ingredients**

Chemical Name	CAS-No.	Typical composition (%)
Calcium Sulfate Dihydrate (alternative CAS 10101-41-4)	13397-24-5	85-95%
Proprietary Binder		2-6%

Raw materials in this product contain respirable crystalline silica as an impurity. The weight percent of respirable crystalline silica found in this product is < 0.1%. Exposures to respirable crystalline silica during the normal use of this product should be determined by workplace hygiene testing.

**SECTION 4 – FIRST AID MEASURES**

- If inhaled:** Dust 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. Move to fresh air in case of accidental inhalation of dust. If symptoms persist, call a physician.
- In case of skin contact:** Direct contact may cause irritation by mechanical abrasion. Wash off with soap and plenty of water.
- In case of eye contact:** Direct contact with dust may cause irritation by mechanical abrasion. Do not rub eye. Flush eye thoroughly with water. Keep eye wide open while rinsing. Remove contact lenses. If irritation occurs, get medical assistance.
- If swallowed:** Intestinal obstruction may occur if the material hardens, especially in the pyloric region. 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. Above 1450°C, material can decompose and release sulfur dioxide (SO<sub>2</sub>) and oxides of carbon.
- 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 exposure 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.



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**SECTION 7 – HANDLING AND STORAGE**

**Advice on Safe Handling:** Ensure proper ventilation, and respiratory and eye protection are used under dusty conditions.

**Conditions for safe storage:** Dew point conditions or other conditions causing presence of moisture will harden gypsum during storage. Store in a cool, dry, well-ventilated place away from incompatible materials.

**Materials to avoid:** Avoid contact with Acids, and moisture during storage.

**SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

Ingredients	CAS #	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Calcium Sulfate Dihydrate (Gypsum)	13397-24-5 (alternative CAS 10101-41-4)	TWA (Total Dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
Silica, crystalline (quartz)	14808-60-7	TWA (respirable fraction)	0.05 mg/m3	OSHA Z-1
		TWA (respirable fraction)	0.05 mg/m3	NIOSH REL
		TWA (respirable fraction)	0.025 mg/m3	ACGIH
		TWA (respirable fraction)	0.1 mg/m3	OSHA P0
		TWA (respirable fraction)	10 mg/m3 / %SiO2 + 2	OSHA Z-3
		TWA (respirable fraction)	250 mppcf / %SiO2 + 5	OSHA Z-3

**Personal Protective Equipment**

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

**Hand protection remarks:** It is good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves.

**Eye protection:** Approved safety goggles recommended in dusty conditions

**Ventilation:** Local exhaust ventilation recommended

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Granular mix  
**Color:** Light brown  
**Odor:** Slight mineral odor  
**pH:** 6-8  
**Boiling/Melting Point:** N/A  
**Flash Point:** Non-Flammable  
**Flammability (solid, gas):** Does not ignite  
**Vapor Pressure:** N/A  
**Specific Gravity:** 2.3-2.75 g/ml  
**Solubility in Water:** 2.1 g/L @ 20°C  
**Thermal Decomposition:** 1450°C

**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** Stable under recommended storage conditions.

**Chemical Stability:** Material is stable under normal conditions.



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**Incompatibility (Material to Avoid):** Acids, Aluminum (at high temperatures), diazomethane  
**Hazardous Decomposition Products:** Calcium oxides, Sulfur Dioxide, Carbon Dioxide, Carbon Monoxide

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Inhalation:** Inhalation of dusts may cause respiratory irritation. Prolonged and repeated exposure to airborne respirable crystalline silica can cause silicosis and/or lung cancer.

**Ingestion:** May cause discomfort if swallowed.

**Skin contact:** Under normal conditions of intended use, this product does not pose a skin hazard.

**Eye contact:** Direct contact with airborne particulates may cause temporary irritation.

**Symptoms related to the physical, chemical and toxicological characteristics:** Dust may irritate eyes and mucous membranes of the nose, throat and upper respiratory system causing sneezing and/or coughing.

**Information on toxicological effects**

**Acute toxicity:** Not expected to be a hazard under normal conditions of intended use.

**Skin corrosion/irritation:** Not a skin irritant.

**Serious eye damage/eye irritation** Direct contact with eyes may cause temporary irritation.

**Respiratory or skin sensitization**

**Respiratory sensitization:** Not a respiratory sensitizer.  
**Skin sensitization:** Not a skin sensitizer.

**Germ cell mutagenicity:** Data does not suggest that this product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

**Reproductive toxicity** Not expected to be a reproductive hazard.

**STOT-repeated exposure** Not classified

**Aspiration hazard** Due to the physical form of the product it is not an aspiration hazard.

**Chronic effects** Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure. Occupational exposure to respirable dust should be monitored and controlled.

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**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.



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**Ingredients:**

Toxicity to fish: LC50 (Pimephales promelas (Fathead minnow)): >1970 mg/l  
Exposure time: 96 h

Persistence and degradability: Calcium sulfate dissolves in water forming calcium and sulfate ions

Bioaccumulative potential: Bioaccumulation is not expected

Other adverse effects: None expected

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**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.

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**SECTION 14 – TRANSPORT INFORMATION**

**DOT Hazard Classification:** None

**Placard Required:** None

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**SECTION 15 – REGULATORY INFORMATION**

**OSHA Hazards:** No OSHA hazards

**EPCRA – Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ

**SARA 311/312 Hazards:**

No SARA Hazards

**SARA 302:**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

**SARA 313:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III< Section 313.

**Clean Air Act:**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This Product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F)

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCOMI Intermediate or Final VOC's (40 CFR 60.489)

**Clean Water Act:**

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3

This Product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307



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**California Proposition 65:**



**WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer. For more information, visit [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**TSCA:**

This product primarily is natural calcium sulfate dihydrate (gypsum) which is listed on the U.S. EPA. In addition, all other ingredients and/or processing aids are also on the TSCA inventory.

**DSL:**

By virtue of its status as a “substance occurring in nature”, ground gypsum is considered to be on the Canadian Domestic Substances List. In addition, all other ingredients and/or processing aids are also on the DSL.

**ODCs:**

This product does not contain, nor is it produced with, any U.S. EPA-defined Class I or Class II ozone-depleting chemicals.

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**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.