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COLUMBIA RIVER CARBONATES

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MATERIAL SAFETY DATA SHEET

MANUFACTURER:

Columbia River Carbonates
300 North Pekin Road, P.O. Box 2350
Woodland, Washington 98674

PRODUCT:

Calcium Carbonate,
Limestone

EMERGENCY PHONE:

1-800-735-6690

Section 1 - Product Identification

MATERIAL DESCRIPTION:

Limestone - Dry Ground

TRADE NAMES:

- Microna 3
- Microna 7
- Deco Rock
- Microna Linemarker
- Microna Agricultural Lime
- Microna 10
- Microna 13
- BP 200

CHEMICAL NAME:

Calcium Carbonate - CaCO₃

CAS #: 1317 - 65 - 3

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Section 2 - Hazardous Ingredients/Identity Information

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM:

CATEGORY	RATING
Health Hazard	1
Flammability Hazard	0
Reactivity Hazard	0
Maximum Personal Protection	E

HAZARDOUS COMPONENTS:

INGREDIENTS	% W/W	CAS #	EXPOSURE LIMITS
Limestone	>98.5	1317-65-3	ACGIH TLV: Total dust 10 mg/m ³ TWA OSHA PEL: Total dust 15 mg/m ³ TWA Respirable dust 5 mg/m ³ TWA
Silica, quartz	< 0.3	14808-60-7	ACGIH TLV: 0.1 mg/m ³ respirable TWA OSHA PEL: 0.1 mg/m ³ respirable TWA

Limestone contains crystalline silica, typical levels are below 0.3% (w/w) in these products. These limestone products contain trace amounts of materials regulated under California's Safe Drinking Water and Toxic Enforcement Act. These materials and their typical levels are: Arsenic 0.4 ppm; Lead <3 ppm; Cadmium 2 ppm.

Section 3 - Physical Data

APPEARANCE AND ODOR:

Fine ground white powder - no odor

SOLUBILITY IN WATER:

0.0014 g/100 ml @ 25 degrees celsius

DENSITY:

2.71 g/ml

Section 4 - Fire and Explosion Data

Flash Point:

Non Flammable

Extinguishing Media:

n/a

Special Fire Fighting Procedures:

None

Unusual Fire & Explosion Hazards:

None

Section 5 - Reactivity Data

Stability:	Material is stable
Incompatibility:	Reacts with strong acids and liberates carbon dioxide
Hazardous Polymerization:	Will not occur
Hazardous Decomposition Products:	None

Section 6 - Health Hazard Data

Routes of Entry:	Inhalation and Ingestion								
Acute Effects:	Mild irritation to the eyes or the respiratory tract can occur due to exposure to nuisance dust above the T.L.V.								
Chronic Effects:	There are no known chronic health effects associated with pure limestone. Chronic exposure to any nuisance dust may cause respiratory problems. These products contain crystalline silica (quartz) as an impurity. Prolonged exposure to respirable crystalline silica dust at concentrations exceeding occupational exposure limits may increase the risk of developing a disabling lung disease called silicosis. IARC has concluded that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form of quartz from occupational sources.								
Carcinogenicity:	Limestone is not listed as a carcinogen by OSHA, NTP, or IARC.								
Emergency & First Aid Procedures:									
First Aid	<table> <tr> <td>Eyes:</td> <td>Flush thoroughly with water. If irritation persists, seek medical attention.</td> </tr> <tr> <td>Skin:</td> <td>Wash with mild soap and water</td> </tr> <tr> <td>Inhalation:</td> <td>Remove to fresh air</td> </tr> <tr> <td>Ingestion:</td> <td>Ingestion should not cause any significant health problems. If a large amount is ingested and if victim is conscious, give large quantities of water. Seek medical attention.</td> </tr> </table>	Eyes:	Flush thoroughly with water. If irritation persists, seek medical attention.	Skin:	Wash with mild soap and water	Inhalation:	Remove to fresh air	Ingestion:	Ingestion should not cause any significant health problems. If a large amount is ingested and if victim is conscious, give large quantities of water. Seek medical attention.
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Section 7 - Precautions For Safe Handling And Use

Spill Procedures:	Use respiratory protection during cleanup activities, while trying to minimize dust.
Waste Disposal Method:	Calcium carbonate is not considered to be a RCRA hazardous waste and may be disposed in a site suitable for industrial wastes.
Handling & Storing:	Store bags in cool dry place, isolated from incompatible materials. Utilize feasible engineering methods to control airborne dust at material handling operations.

Section 8 - Control Measures

Respiratory Protection:	Wear NIOSH / OSHA approved nuisance dust respirator if exposure above T.L.V. occurs.
Protective Gloves:	Not required
Eye Protection:	Wear goggles or safety glasses if exposure above T.L.V occurs.
Ventilation:	Provide adequate ventilation to limit nuisance dust below T.L.V.