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SAFETY DATA SHEET

Dolomite

Section 1. Identification

GHS product identifier : Dolomite (Dolomatic limestone; Calcium-Magnesium Carbonate)

Product type : solid

Uses

Area of application : Not Applicable

Supplier

Supplier's details : Greenway Biotech, Inc.

Address

Street : 10632 Painter Ave

Postal code : 90670

City : Santa Fe Springs

Country : United States

Telephone number : +1 562-351-5168

e-mail address of person responsible for this SDS : sales@greenwaybiotech.com

Emergency telephone number (with hours of operation) : US: Chemtrec 24-hours Emergency Response: 1-800-424-9300
Canada: 24 Hour Emergency Service, (Canutec 613-996-6666)

National advisory body/Poison Center

Name : The National Poisons Emergency number

Telephone number : 1 800 222 1222

Section 2. Hazards identification

Emergency Overview: Dolomite is an odorless white, greyish-white, red or pink material that ranges from pebble to granular powder. Contact can cause irritation to eyes skin, respiratory system, and gastrointestinal tract. Dolomite reacts with acid to form CO₂

Potential Health Effects: EYES: Can cause irritation of the eyes.

SKIN: Can cause mild irritation of the skin.

INGESTION: In large amounts, this material may cause gastrointestinal irritation or blockage.

INHALATION: This product can cause mild irritation of the respiratory system. Long term exposure

may cause permanent damage. Dolomite is not listed by MSHA, OSHA, or IARC as a carcinogen. However, this product may contain trace amounts of crystalline silica in the form of quartz or cristobalite, which has been classified by IARC as a group I Carcinogen to humans when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

Potential Environmental Effects: None.

Section 3. Composition/information on ingredients

Ingredient	Chemical Formula	Common Name	Conc. (%)	CAS
Calcium-Magnesium Carbonate	CaCO ₃ MgCO ₃	Dolomite	>95	16389-88-1
Crystalline Silicas	SiO ₂	Quartz	<3	14808-60-7

(Crystalline Silica is reported as total silica and not just the respirable fraction)

Section 4. First aid measures

Eyes: Immediately flush eyes with generous amounts of water or eye wash solution if water is unavailable. Pull back eyelid while flushing to ensure that all dolomite dust has been washed out. Seek medical attention promptly if the initial flushing of the eyes does not remove the irritant. Do not rub eyes.

Skin: Brush off or remove as much dry dolomite as possible. Wash exposed area with large amounts of water.

Inhalation: Move victim to fresh air. Seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention immediately. Never give anything by mouth unless instructed to do so by medical personnel.

Medical Conditions Aggravated by Exposure: Contact may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

Section 5. Fire Fighting Measures

Fire Hazards: Dolomite is not combustible or flammable. This product is not considered to be an explosion hazard, although reaction with incompatible materials, such as acids, may rupture containers.

Suitable Extinguishing Media: N/A

Fire Fighting Instructions: N/A

Hazardous Combustion Products: Not applicable

Section 6. Accidental release measures

Spill/Leak Procedures: Use proper protective equipment.

Small Spills: Use dry methods to collect spilled materials. Avoid generating dust. Residue on surfaces may be water washed.

Large Spills: Use dry methods to collect spilled materials. Avoid generating dust. Residue on surfaces may be water washed.

Containment: Minimize dust generation and prevent bulk release to sewers or waterways.

Clean-Up: Normal housekeeping can be applied

Section 7. Handling and storage

Handling: Use routine safety measures to keep dust from coming into contact with eyes and avoid respiration.

Storage: In a cool, dry and well-ventilated location.

Section 8. Exposure controls / personal protection

Ingredient	OSHA PEL TWA 8/40h (mg/m ³)	ACGIH TLV, TWA 8/40 h (mg/m ³)	NOISH REL TWA 8/40h (MG/M ³)	NIOSH IDLH (mg/m ³)
Calcium-Magnesium Carbonate	15 (total dust) 5 (respirable)	10	n/a	n/a
Crystalline Silica	10/(SiO ₂ % + 2) (respirable)	0.025 (respirable)	0.05 (respirable)	50

Engineering Controls: Provide ventilation adequate to maintain PELs.

Respiratory Protection: Use NIOSH/MSHA approved respirators if airborne concentration exceeds PELs.

Skin Protection: Use appropriate gloves and footwear to prevent skin contact and the potential for irritation. Clothing should fully cover arms and legs.

Eye Protection: Use safety glasses with side shields or safety goggles.

Other: Eye wash fountain/stations and emergency showers should be available.

Section 9. Physical and chemical properties

Appearance: White, grayish-white, red or pinkish powder.

Odor: Odorless

Physical State: Solid

Melting Point (°C/F): n/a

Boiling Point (°C/F): n/a

Specific Gravity: 2.6 - 2.9 g/cc

Vapor Pressure (mm Hg): n/a

Vapor Dens

Section 10. Stability and Reactivity

Stability: Chemically stable, but reacts vigorously with acids to form CO₂. Ignites on Contact with Fluorine.

Hazardous Decomposition/ Products: Dolomite decomposes at 730°C / 1346°F to produce calcium + magnesium oxide and CO₂.

Hazardous Polymerization: Does not occur.

Incompatibility/ Conditions to Avoid: Dolomite should not be mixed or stored with the following materials, due to the potential for vigorous reaction and release of heat:

Fluorine

Aluminum

Magnesium

Ammonium Salts

Hydrogen

Acids

Section 11. Toxicological information

An LD50 of 6450mg/kg (Rat, oral) has been identified for this product. Dolomite is not listed by MSHA, OSHA or IARC as a carcinogen, but this product may contain trace amounts of crystalline silica, which has been classified by IARC as carcinogenic to humans when inhaled in the form of quartz or cristobalite.

Section 12. Ecological Information

Ecotoxicity: None Expected

Environmental Fate: This material shows no bioaccumulation effect or food chain concentration toxicity.

Section 13. Disposal Considerations

Dispose of in accordance with all applicable federal, state and local environmental regulations. If this

ACGIH: American Conference of Governmental Industrial Hygienists
TWA: Time Weighted Average
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
REL: Recommended Exposure Limit

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