

SAFETY DATA SHEET

I. IDENTIFICATION

PRODUCT NAME: Prilled Dolomitic Lime – Standard Grade
SYNONYMS: Dolomitic Limestone; Calcium-Magnesium Carbonate; Dolomite
DISTRIBUTOR: Bridgewell Agribusiness LLC
 12420 SE Carpenter Drive
 Clackamas, OR 97015
 (503) 723-5410
PRODUCT USE: Steel, pH adjustment, FGT, Construction, Agriculture, Aggregate

II. HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW: Dolomite is an odorless white, grayish-white, red or pink material that ranges from pebble to a 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: Contact can cause irritation of eyes.
Skin: Contact can cause mild irritation of 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.

NFPA HAZARD CLASS: Health: 1
 Flammability: 0
 Instability: 0

HMIS HAZARD CLASS: Health: 1
 Flammability: 0
 Hazard: 0
 Specific Hazard: ALK

III. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCES

CHEMICAL NAME: Calcium – Magnesium Carbonate

CHEMICAL FORMULA: CaCO₃ . MgCO₃

COMMON NAME: Dolomite

CONCENTRATION: >95%

CAS#: 16389-88-1

CHEMICAL NAME: Crystalline Silica

CHEMICAL FORMULA: SiO₂

COMMON NAME: Quartz

CONCENTRATION: < 3%

CAS#: 14808-60-7

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

IV. FIRST-AID MEASURES

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

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

EYE CONTACT: 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.

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

IMPORTANT SYMPTOMS OR EFFECTS: Contact may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

V. FIRE-FIGHTING MEASURES

FIRE HAZARD: 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.

LEL-UEL:

EXTINGUISHING METHOD: N/A

FIRE FIGHTING INSTRUCTIONS: N/A

HAZARDOUS COMBUSTION PRODUCTS: Not applicable

VI. 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.

VII. HANDLING AND STORAGE

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

STORAGE: Store in a cool, dry and well ventilated location.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient	OSHA PEL, TWA 8/40h (mg/m3)	ACGIH TLV, TWA 8/40h (mg/m3)	NIOSH REL, TWA 8/40h (mgm3)	NIOSH IDLH (mg/m3)
Calcium-Magnesium Carbonate	15 (total dust) 5 (respirable)	10	N/A	N/A
Crystalline Silica	10/(SiO2% +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.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White, grayish-white, red or pinkish powder, solid
ODOR:	Odorless
SPECIFIC GRAVITY:	2.6 – 2.9 g/cc
VAPOR DENSITY:	N/A
pH:	8-9
MELTING POINT:	N/A
SOLUBILITY(IES):	Not readily soluble in water
INITIAL BOILING POINT:	N/A
EVAPORATION RATE:	N/A

X. STABILITY AND REACTIVITY

STABILITY:	Chemically stable but reacts vigorously with acids to form CO ₂ . Ignites on contact with Fluorine.
LIST OF INCOMPATIBLE MATERIALS:	Dolomite should not be mixed or stored with the following materials, due to the potential for vigorous reaction and release of heat: Flourine, Aluminum, Magnesium, Ammonium salts, Hydrogen, Acids
HAZARDOUS DECOMPOSITION:	Dolomite decomposes at 730 °C/1346 °F to produce calcium + magnesium oxide and CO ₂
HAZARDOUS POLYMERIZATION:	Does not occur

XI. 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 crystobalite.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY:	None expected
ENVIRONMENTAL FATE:	This material shows no bioaccumulation effect or food chain concentration toxicity

XIII. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable federal, state, and local environmental regulations. If this product as supplied, and unmixed, becomes a waste, it will not meet the criteria of a hazardous waste as defined under the U.S. Resource Conservation and Recovery Act (RCRA).

XIV. TRANSPORT INFORMATION

Dolomite is not classified as a hazardous material by US DOT and is not regulated by the Transportation of Dangerous Goods (TDG) when shipped by any mode of transport.

XV. REGULATORY INFORMATION

U.S. EPA

REGULATIONS: RCRA Hazardous Waste Number (40 CFR 261.33): Not listed
RCRA Hazardous Waste Classification (40 CFR 261): Not classified
CERCLA Hazardous substance (40 CFR 302.4) Unlisted specific per RCRA, Sec. 3001 CWA, Sec 311(b)(4); CWA Sec. 307(a),CAA, Sec 112
CERCLA Reportable Quantity (RQ): Not listed
SARA 311/312 Codes: Not listed
Sara Toxic Chemical (40 CFR 372.65): Not listed
SARA EHS (Extremely Hazardous Substance)(40 CFR 355): Not listed
Threshold Planning Quantity (TPQ): Not listed
All chemical ingredients are listed on the US EPA TSCA Inventory List

OSHA/MSHA

Air contaminant (29 CFR 1910.1000, table Z-1, Z-1-A): 5mg/M³ TWA-B MSHA: Not listed
OSHA specifically Regulated Substance (29 CFR 1910): Not listed

STATE REGULATIONS:

Consult state and local authorities for guidance. Components found in this product may contain trace amounts of inherent naturally occurring elements (such as, but not limited to arsenic and cadmium) that may be regulated under California Proposition 65 and other states regulations.

CANADA:

WHMIS Classification: "D2A" Materials Causing Other Toxic Effects Canada NDSL: Listed.

XVI. OTHER INFORMATION

Date Prepared: 9/28/15

IMPORTANT:

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