

MATERIAL SAFETY DATA SHEET

Dolomite

Doc. No.: MSDS Dolomite	Page 1 of X
	Review Date: 8/8/16

1.0 IDENTIFICATION OF MATERIAL:

Name of Composition	Dolomite
Chemical Name	Calcium-Magnesium Carbonate
Molecular Formula	CaCO ₃ •MgCO ₃

CAS NO.	COMPONENT	CONCENTRATION
16389-88-1	Calcium-Magnesium Carbonate (Dolomite)	>95%
14808-60-7	Crystalline Silica (Quartz)	<3%

3.0 PHYSICAL DATA:

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
Odorless, White, grayish-white, red or pinkish powder	n/a	2.6-2.9 g/cc
Vapor Pressure (mm of HG)	Freezing Point	pH (25°C/77°F)
n/a	n/a	8-9
Vapor Density (Air = 1)	Physical State	Solubility in Water
n/a	Solid	Not readily soluble in water

4.0 FIRE AND EXPLOSIVE HAZARD DATA:

FLASH POINT	FLAMMABLE (EXPLOSIVE) LIMITS (PERCENT BY VOLUME)	
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.	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	n/a	n/a
FIRE EXTINGUISHING MEDIA: none		
SPECIAL FIRE FIGHTING PROCEDURE: none		
UNUSUAL FIRE AND EXPLOSION HAZARDS:		

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5.0 HEALTH HAZARD DATA:

EFFECTS OF OVEREXPOSURE	ACUTE	Contact to eyes can cause irritation. Contact to skin can cause mild irritation.
	CHRONIC	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 human when inhaled. Inhalation of silica can also cause a chronic lung disorder, silicosis.

EMERGENCY AND FIRST AID PROCEDURES:

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.

6.0 REACTIVITY DATA:

GENERAL REACTIVITY:	Chemical stable, but reacts vigorously with acids to form CO ₂ . Ignites on contact with Fluorine.
INCOMPATIBILITY (MATERIALS TO AVOID):	Fluorine, Acids, Ammonium salts, Aluminum, Hydrogen, Magnesium
HAZARDOUS DECOMPOSITION PRODUCTS:	Dolomite decomposes at 730°C/1346°F to produce calcium + magnesium oxide and CO ₂
HAZARDOUS POLYMERIZATION:	Does not occur
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 Ammonium salts, Aluminum, Hydrogen, Magnesium, Acids

7.0 SPILL PROCEDURES/DISPOSAL REQUIREMENTS:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Spill/Leak: Use proper protective equipment. Small Spills: Use dry methods to collect spilled material. 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
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	waterways. Clean up: Normal housekeeping can be applied.
WASTE DISPOSAL METHOD:	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).

8.0 SPECIAL PROTECTION INFORMATION/EXPOSURE CONTROLS

EYE PROTECTION:	Use safety glasses with side shields or safety goggle.
GLOVES/CLOTHES:	Use appropriate glove and footwear to prevent skin contact and the potential for irritation. Clothing should fully cover arms and legs.
RESPIRATORY:	Use NIOSH/MSHA approved respirators if airborne concentration exceeds PELs.
VENTILATION:	Provide ventilation adequate to maintain PELs.
OTHER:	Eye wash fountain/ stations and emergency showers should be available.

EXPOSURE CONTROL:

Ingredient	OSHA PEL, TWA 8/40h (mgm3)	ACGIH TLV, TWA 8/40h (mg/m3)	NIOSH REL, TWA 8/40h (mgm3)	NIOSH IDLH (m/m3)
Calcium-Magnesium Carbonate	15 (total dust) 5 (respirable)	10	n/a	n/a
Crystalline Silica	10/(SiO2% +2) (respirable)	.025 (respirable)	.05 (respirable)	50

9.0 SPECIAL PRECAUTIONS:

STORAGE REQUIREMENTS:	Store in a cool, dry and well ventilated location
HANDLING:	Use routine safety measures to keep dust from coming into contact with eyes and avoid respiration.

10.0 SHIPPING REGULATIONS (D.O.T. NOMENCLATURE:

Proper Shipping Name:		
Hazard Class	Type of Packaging	Label
Not classified as a hazardous material by US DOT and is not regulated by Transportation of Dangerous Goods (TDG) when shipped by any mode of transport.	n/a	n/a
Placard	Marker	Exemptions
None	None	none

11.0 Toxicological Information:

An LD0 of 6450 mg.kg (Rat, oral) has been identified for this product. Dolomites 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.

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Regulatory Information:

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 72.65), 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 Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): 5 mg/m³ TWA-8

MSHA: not listed

OSHA Specifically Regulated Substance (29 CFR 1910): not listed

State Regulations: Consult state and local authorities or 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 State regulations.

NFPA Hazard Class: Health: 1 Flammability 0 Instability: 0 Hazard 0; Specific Hazard ALK

11.0 NOTES:

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without representation of warranty, express or implied, regarding the accuracy or correctness. The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and express disclaimer liability for loss, damage or expense arising out of, or in any way connected with handling, storage, use or disposal of the product.