



MATERIAL SAFETY DATA SHEET
Dolomite, Dolomitic Limestone, & Carey Dried Stone

MSDS prepared by: Mgr. Of Technical Services January 1, 2012

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SECTION I – PRODUCTION IDENTIFICATION

NLS Products: 10; 10 40; 10 50; 10BB; 11 11P; 12; 12 50; 12BB; 20; 20 40;
20 50; 20BB; 30; 30 50; 6X16; 6X16BB; 60; 60 50; 80; 80 50;
DLP; DMI; DMI 50; DMIBB; PDL 50; PDLBB, #4 Crushed

Trade Name & Synonyms: **Dolomite, Limestone, Ag Lime**

Chemical Name & Synonyms Dolomitic Limestone

Chemical Family Alkaline Earth Carbonate

Formula $\text{CaCO}_3 - \text{MgCO}_3$

CAS # 16389-88-1, 1317-65-3, 471-34-1 and 546-93-0

SECTION II – HAZARDOUS INGREDIENTS

Composition varies, may contain quartz.

Dolomitic Limestone is not listed on the NTP, IARC, or OSHA lists of carcinogens, but crystalline silica, a component of this product, is listed. IARC has determined that there is sufficient evidence of carcinogenicity to experimental animals exposed to crystalline silica and limited evidence for carcinogenicity to humans. "Limited evidence" means that a casual relationship is possible; however, other explanations such as chance, bias or confounding factors cannot adequately be excluded.

SECTION III – PHYSICAL DATA

Boiling point: Decomposes 1100 – 1700° F

Specific gravity: 2.7 – 2.9

% volatile by volume: NA

Vapor pressure: NA

Vapor density: NA

Solubility in water: Negligible

Evaporation rate: NA

Appearance and odor: White to gray solid odorless



SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash point:	NA
Flammable limits:	Not flammable
Extinguishing media:	None required
Special fire fighting procedures:	None required
Unusual fire and explosion hazards:	When heated at 1700° F or more for prolonged periods, dolomitic limestone decomposes into dolomitic quicklime (CaOMgO) releasing carbon dioxide (decomposition can begin at 1100°F).

SECTION V – HEALTH HAZARD DATA

Threshold limit value:	Exposure limits vary with the % quartz dust. Refer to ACGIH and MSHA for current TLV's and TWA's.
Effects of overexposure:	Exposure to dust may irritate respiratory system, eyes or skin.
Emergency and first aid procedures:	Dust in eyes – flush with clear water. Dust on previously irritated skin – wash with soap and water. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists.

SECTION VI – REACTIVITY DATA

Stability:	Unstable - reacts with acids evolving CO ₂ . Stable if no acids are present.
Incompatibility:	Contact with acids.
Hazardous decomposition products:	When heated at 1100 - 1700° F, dolomitic limestone decomposes into dolomitic quicklime releasing carbon dioxide gas.
Hazardous polymerization:	Will not occur.

SECTION VII – SPILL OR LEAK PROCEDURES

Steps to be taken if material is spilled or released:	Spilled materials, where dust is generated, may overexpose clean-up personnel to respirable dust. Use of respiratory protective equipment may be necessary. Dolomitic limestone may be wetted with water to control dusting.
Waste disposal method:	Pick up and reuse clean materials. Dispose of waste materials only in accordance with applicable federal, state, and local laws and regulations.



SECTION VIII – SPECIAL PROTECTION INFORMATION

Respiration protection:	NIOSH-MSHA approved dust respirators for conditions where dust levels may exceed exposure limits.
Ventilation:	As required to maintain exposures below TLV's. Vent dust to collector.
Eye protection:	Dust goggles should be worn when visibly dusty conditions exist.

SPECIAL PRECAUTIONS

No special precautions required. Respirable dust levels should be monitored regularly. May cause pitting of aluminum.

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