

MATERIAL SAFETY DATA SHEET

Dolomite, Dolomitic Limestone, & Carey Dried Stone

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MSDS prepared by: Mgr. Of Technical Services October 17, 2005

National Lime & Stone 551 Lake Cascade Pky PO Box 120 Findlay, OH 45839

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

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

Chemical Name & Synonyms Dolomitic Limestone

Chemical Family Alkaline Earth Carbonate

Formula CaCO3 – MgCO3

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

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 carcinogenity to experimental animals exposed to crystalline silica and limited evidence for carcinogenity 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.

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: Evaporation rate: Appearance and odor: Negligible NA White to gray solid odorless



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).

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.

Stability: Unstable - reacts with acids evolving CO2. 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.

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.



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.

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

This information relates only to the specific material designated and may not be valid for such material used in

combination with any other materials or in any process. Such information is, to the best of National Lime and Stone

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BE BASED