



NEVILLE AGGREGATES CO. INC.

Construction Aggregates Supplier

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MATERIAL SAFETY & DATA SHEET

Limestone or Dolomite

Crushed Stone

MSDS prepared by: Mgr. Of Technical Services January 1, 2011

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SECTION I – PRODUCTION IDENTIFICATION

Trade Name & Synonyms:	Crushed Stone
Chemical Name & Synonyms	Calcium Carbonate – Limestone Calcium Magnesium Carbonate - Dolomite
Chemical Family	Alkaline Earth Carbonate
Formula	CaCO ₃ or CaCO ₃ -MgCO ₃
CAS #	#1317-65-3 for CaCO ₃ #16389-88-1 for CaCO ₃ -MgCO ₃

SECTION II – HAZARDOUS INGREDIENTS

Composition varies, may contain quartz.

Calcium Carbonate 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 – 2.8
% 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

Calcium Carbonate - Limestone

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, limestone decomposes into quicklime (CaO or CaO-MgO) releasing carbon dioxide (CO ₂) gas.

SECTION V – HEALTH HAZARD DATA

Threshold limit value:	Exposure limits vary with the % quartz dust. Refer to ACGIH and NSHA 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

Calcium Carbonate - Limestone

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 for prolonged period, limestone decomposes into 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. Limestone or dolomite may be wetted with water to control dusting.
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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 VII – 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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