

# Allyndale Limestone

40 Allyndale Road – PO Box 265

East Canaan, CT 06024

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## SAFETY DATA SHEET

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### 1. IDENTIFICATION

Product identifier: Dolomite (Ground Limestone)

Trade Names: Agricultural Limestone, Granular Limestone, Marking Limestone, Marble Chips, White Stone, Quarry Chips

Manufacturer: Allyndale Corporation

Manufacturer Site: 40 Allyndale Road, East Canaan, CT 06024. Tel: 860-824-7959

Recommended Use: Agricultural use, animal feed, pH adjustment, Lawn care, animal feed, decoration, gardens, decoration, roads

Restriction on uses: None

### 2. HAZARDS IDENTIFICATION

GHS Classification: Physical and Chemical Hazards: Not Classified

Environment: Not Classified

Signal Word: Warning

Hazard Statement: May cause eye irritation. May cause damage to organs through prolonged or repeated exposure.

Pictogram:

Precautionary Statements:

Prevention: Wear eye protection. Avoid breathing dust. Wear respiratory protection (in case of inadequate ventilation).

Response:

IF ON SKIN: Rinse with water.

IF IN EYES: Rinse with water, seek medical attention if discomfort continues.

IF INHALED: Move the exposed person to fresh air, keep at rest and comfortable.

IF SWALLOWED: Rinse mouth.

Storage: Keep product dry.

Disposal: Generally inert. Dispose in accordance with regulations.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Common Chemical Name: Limestone

Synonyms: Dolomite

CAS Number: 16389-88-1

Limestone is a natural occurring mineral substance consisting primarily of calcium carbonate with lesser amounts of dolomite together with many other ingredients in small but varying amounts.

<b><u>Compound</u></b>	<b><u>CAS Number</u></b>	<b><u>Typical Concentration %</u></b>
Calcium Carbonate	471-34-1	80-90%
Magnesium Carbonate	546-93-0	11-14%
Crystalline Silica	14808-60-7	.01%

### **4. FIRST AID MEASURES**

Eye Contact: Do not rub eyes. Contact with dust may cause irritation by mechanical abrasion. Irrigate eyes immediately with clean water for several minutes. Obtain medical attention if necessary.

Skin Contact: Wash skin thoroughly with soap and water.

Ingestion: Drink plenty of water. If significant – obtain medical attention. Do not induce vomiting.

Inhalation: Dust may irritate the nose, throat and respiratory tract by mechanical abrasion. Coughing, sneezing and shortness of breath may occur following exposures in excess of appropriate exposure limits. Move to fresh air. If breathing is difficult, give seek medical attention.

## **5. FIRE-FIGHTING MEASURES**

Extinguishing media This product is non-combustible/ non-flammable.

Advice for fire-fighters: Standard personal protective equipment.

Hazards of concern: No specific information.

Auto ignition temperature Not applicable.

Flash point Not applicable.

## **6. ACCIDENTAL RELEASE MEASURES**

Personal Precautions: Use adequate ventilation and/or dust mask approved by MSHA/NIOSH. Wear adequate eye protection.

Emergency Procedures: No special emergency procedures, use adequate ventilation.

Containment: Contain and cover spill to minimize dust emission.

Clean Up Procedures: Clean up by sweeping, shoveling, vacuuming or flushing with water.

Neutralizing Chemicals: None required.

Disposal: Generally inert. Dispose in accordance with regulations – or recycle and use beneficially in other applications.

## **7. HANDLING & STORAGE**

Precautions for safe handling: Minimize dust generation and accumulation. Use adequate ventilation and/or dust mask approved by MSHA/NIOSH. Wear adequate eye protection. Cover skin (As exposed skin may become dry and irritated with prolonged contact. Avoid contact with food and ingestion.

Storage: Store in a cool and well-ventilated place. Keep product dry. Do not store with acids or oxidizing agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Compound</u>	<u>Exposure Limit (mg/m)</u>			
<b>Calcium Carbonate</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>MSHA/PEL</b>	<b>NIOSH REL</b>
	<b>(TWA) 8/40h</b>	<b>(TWA) 8/40h</b>	<b>(TWA) 8/40h</b>	<b>(TWA) 8/40h</b>
	<b>(mg/m3)</b>	<b>(mg/m3)</b>	<b>(mg/m3)</b>	<b>(mg/m3)</b>
	<b>T=15 R=5</b>	<b>TLV Withdrawn</b>	<b>T=15 R=5</b>	<b>T=10 R=5</b>
<b>Crystalline Silica (1)</b>	<b>T=30(%SiO<sub>2</sub>)+2</b>	<b>R=0.025</b>	<b>T= 30 (%SiO<sub>2</sub>)+2</b>	<b>R=0.05</b>
	<b>R=10 (%SiO<sub>2</sub>)+2</b>		<b>R=10 (%SiO<sub>2</sub>)+2</b>	<b>(free silica)</b>

Limestone is not a carcinogenic listed by ACGIH, MSHA, OSHA, NTP, DFG, RSST, or IARC. However, crystalline silica may be in trace amounts at or above detection levels (<0.1%). Occurrence is dependent upon the stone source, process and specific application. Two ranges are disclosed for (T) Total Dust and ® Respirable Dust.

Use exhaust ventilation, if required. Rubber gloves for prolonged exposure and wear side shield safety glasses.

Decomposition: Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts and magnesium. Silica reacts violently with powerful oxidizing agents such as fluorine, boron, trifluoride, chlorine trifluoride, manganese trifluoride and oxygen difluoride yielding possible fire and/or explosions. Silica dissolve readily in hydrofluoric acid producing a corrosive gas- silicon tetrafluoride.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Specific Gravity (H <sub>2</sub> O=1)	2.7
Melting Point	N/A
Evaporation Rate	N/A
Solubility in Water	Some
Appearance and Odor:	White, Earthly smell

## **10. STABILITY AND REACTIVITY**

Reaction with: Acids.

Stability: No particular stability concerns. Not applicable.

Conditions to Avoid: Avoid contact with acids

## **11. TOXICOLOGICAL INFORMATION**

Acute toxicity: Acute Toxicity (Oral LD50) 6450 mg/kg Rat

Acute: Routes of entry- Skin Contact; Eye Contact; Inhalation; Ingestion.

Skin: May dry and irritate skin and mucous membranes.

Eyes: Eye irritation with possible discomfort or pain, local redness and swelling of the conjunctiva.

Inhalation: Harmful if inhaled. May cause respiratory tract irritation/inflammation. Exposure may cause coughing and sneezing. Large amounts may cause chemical pneumonitis.

Ingestion: May cause gastro-intestinal irritation. If ingested in large quantities may cause nausea, constipation and hypocalcemia and hemorrhage.

Sensitization: No sensitizing effect known.

Chronic: No signs or symptoms of chronic exposure of limestone have been reported.

Carcinogenicity: Limestone is not a carcinogen listed by ACGIH, MSHA, OSHA, NTP, DFG, RSST or IARC.

## **12. ECOLOGICAL INFORMATION**

Eco toxicity: The product is not expected to be hazardous to the environment.

## **13. DISPOSAL CONSIDERATIONS**

Disposal Methods: Under RCRA (40 CFR 261) ground limestone is a non-hazardous waste. Dispose of waste material in accordance with all local, state and federal requirements.

#### **14. TRANSPORTATION INFORMATION**

UN Number: Not applicable.  
UN Proper shipping names Not applicable.  
Transport Hazard Class Not applicable.  
Packaging group Not applicable.

#### Shipping and Transportation-

Limestone is classified as a non-hazardous material by the US Department of Transportation (DOT) and the Canadian Transportation of Dangerous Good (TDG) Regulations.

EU Transportation: Road (ADR); Rail (RID); Sea (IMDG); Air (ICO/ATA) – not restricted.

International Maritime Dangerous Goods (IMDG Code) – not restricted.

Transport in bulk EU Annex II of MARPOL73/78 and the IBC Code) – not applicable.

#### **15. REGULATORY INFORMATION**

State: Consult local and state hazard communications regulations.

Federal: FDA: 21 CFR 175.105; 21 CFR 175.300; 21 CFR 176.170; 21 CFR 176.180;  
21 CFR 177.1210; 21 CFR 178.3297; 40 CFR 180.1011

#### **16. OTHER INFORMATION**

The information contained in this Safety Data Sheet is believed to be reliable. No guarantee, warranty or representation is implied or expressed regarding the accuracy, reliability or completeness of this information or the use of the product since the conditions of use are beyond our control. Such information is, to the best of the company's knowledge and belief, accurate. Nothing contained herein should be construed as recommendation to use this product in conflict with federal or state regulations. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.