

# MATERIAL SAFETY DATA SHEET

Identity: Calcite

**SECTION I****Name**

CEI

**Address**28205 Scippo Creek Rd  
Circleville, OH 43113**Telephone:** 800-344-5770**Fax:** 888-204-9656**SECTION II – CHEMICAL IDENTITY****Chemical Identity:**

Product consists of ground limestone (CAS Number: 1317-65-3), which is a natural product composed of Calcium Carbonate (CAS Number 471-34-1) and from 1-5% Magnesium Carbonate (CAS Number 546-93-0), together with various other naturally occurring minerals.

**EPA Hazard Classes**

Immediate Health	1
Delayed Health	1
Fire	0
Reactive	0
Pressure	0

**HMIS Hazard Rating**

Health	1
Reactivity	0
Flammability	0
Personal Protection	E

**SECTION III – HAZARDOUS INGREDIENTS**

The products contain trace quantities of crystalline silica (CAS 14808-60-7). The silica levels vary depending upon product type, as shown below.

**<0.1% Silica**

Gama-Sperse 80

Gama-Sperse 6532/

Gamaco

**<0.25% Silica**

#8/#9/#10/#12, LB9

Wingdale White

Gama-Sperse 255, Gama-Sperse  
6451

Gama-Plas, Calwhite Gamaco

11, Gama-Fil D2/D2T

Gama-Sperse CS-11, RO-40, #8  
chips

Z, OZ, OX, 30-50, 40-200

Gama-Sperse 6451 Gama-Plas

Calwhite, Gama-Sperse 255

Mar Blend

In addition, there are also small but detectable amounts of the following other naturally occurring chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm. This warning is provided in the absence of definitive testing to prove that these risks do not exist. These amounts are typical quantities and may vary slightly with different lots.

**Chemical Name**

Arsenic

Lead

**Typical Amount**

Less than 1 ppm

Less than 1 ppm

**CAS Number**

7440-38-2

7439-92-1

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## SECTION IV-PHYSICAL/CHEMICAL CHARACTERISTICS

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**Appearance and Odor:** Fine, White Powder; No Odor

<b>Boiling Point:</b>	N/A	<b>Specific Gravity:</b>	2.71
<b>Vapor Pressure:</b>	N/A	<b>Evaporation Rate:</b>	N/A
<b>Vapor Density:</b>	N/A	(Butyl Acetate = 1)	
<b>Solubility in Water:</b>	Slight	<b>Melting Point:</b>	N/A

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## SECTION V-FIRE AND EXPLOSION HAZARD DATA

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<b>Flash Point:</b>	N/A
<b>Flammable Limits:</b>	N/A
<b>Fire Extinguishing Media:</b>	N/A
<b>Special Fire Fighting Procedures:</b>	N/A
<b>Unusual Fire and Explosion Hazards:</b>	None

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## SECTION VI – HEALTH HAZARD AND FIRST AID INFORMATION

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Calcium Carbonate, the main component of limestone and marbles, is not on the NTP, IARC, or OSHA lists of carcinogens and there are no known health effects associated with prolonged exposure to pure calcium carbonate. Crystalline silica (quartz), a trace component of many limestone and marble powders, in its respirable form has been listed by IARC as a Type 1 carcinogen and the NTP has stated that crystalline silica is reasonably anticipated to be a carcinogen. Also, studies indicate that prolonged exposure to crystalline silica dusts at levels in excess of the appropriate exposure limits has been found to cause silicosis, a noncancerous lung disease.

**Limestone:** TLV=10mg/m<sup>3</sup>TWA; OSHA PEL. Total dust 15mg/m<sup>3</sup>TWA; OSHA PEL: Respirable dust 5mg/m<sup>3</sup> TWA. Particulates not otherwise regulated: TLV=10mg/m<sup>3</sup> (inhalable/total particulate), OSHA PEL: Total dust 15mg/m<sup>3</sup> TWA; Respirable dust 5mg/m<sup>3</sup> TWA

**Respirable Crystalline Silica (quartz):** TLV=0.1mg/m<sup>3</sup>TWA; MSHA and OSHA PEL=0.1mg/m<sup>3</sup>TWA;

### Exposure Limits Abbreviations

CEIL	CEILING EXPOSURE LIMIT – 15 MINUTES
PEL	PERMISSIBLE EXPOSURE LIMIT – 8HR TWA
REL	RECOMMENDED EXPOSURE LIMIT – 8HR TWA
STEL	SHORT TERM EXPOSURE LIMIT – 15 MINUTE
TLV	THRESHOLD LIMIT VALUE – 8 HR TWA

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Inhaling respirable dust and/or crystalline silica may aggravate existing respiratory system disease and/or dysfunctions. Exposure to dust may aggravate existing skin or eye conditions.

### PRIMARY ROUTE(S) OF EXPOSURE – Inhalation

Inhalation:	Dusts may irritate the nose, throat and respiratory tract. Coughing, sneezing, and shortness of breath may follow exposures in excess of appropriate exposure limits.
Eye Contact:	Direct contact may cause irritation by mechanical abrasion.
Skin Contact:	No effect anticipated.
Ingestion:	Minimal effect.

### FIRST AID

Inhalation:	Remove from area of exposure and to fresh air area. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or develops later.
Eye Contact:	Flush eyes with water for 10 minutes. If irritation persists, obtain medical attention.
Skin Contact:	Wash from with skin with mild soap and water.
Ingestion:	Ingestion should not cause any significant health problems.

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## SECTION VII – PERSONAL PROTECTION AND CONTROLS

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**Ventilation Protection**-Provide adequate ventilation to meet the exposure limit requirements. An exhaust filter system may be required to meet avoid environmental contamination.

**Respiratory Protection**-When established airborne exposure limits are surpassed, wear NIOSH/OSHA approved respiratory equipment. Observed respirator use limitations specified by NIOSH/OSHA and the respirator manufacturer. In addition, respirator protection programs must comply with 29 CFR 191.134 and Engineering or Administrative controls should be implemented to reduce exposure.

**Eye Protection**-Safety glasses with side shields should be worn as minimum protection. Dust goggles should be worn when excessively (visible) dusty conditions are present or anticipated.

Hygiene: Wash from skin with mild soap and water.

Spill or Leak: Respiratory protection should be worn during clean up to protect from airborne dust. Measures should be taken to reduce airborne dust. Measures should be taken to reduce airborne dust during clean up.

Waste Disposal: Shovel up material and dispose of in landfill. Comply with applicable federal, state and local regulations.

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## SECTION VIII- DISPOSAL CONSIDERATIONS

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This material does not meet criteria of a hazardous waste as defined under the Resource and Recovery Act (RARA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D. State or local regulations may apply if they are different from Federal regulations.

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## SECTION IX – TRANSPORTATION INFORMATION

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DOT Shipping Name: Ground limestone

DOT Label: Not required

Additional DOT Requirements: None

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## SECTION X – REGULATORY INFORMATION

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**TSCA Status:** all ingredients in this product are either naturally occurring and exempt from reporting or are included on the EPA's TOSCA inventory.

**OSHA Hazard Communication Status:** This product is considered hazardous under the criteria of 29 CFR 1910.1200

**SARA 311/312 Status:** This product contains substances regulated under 1910.1200

**NAFTA Tariff Classification:** 2830.50

**FDA STATUS:** "Generally Recognized as Safe" (GRAS) 21CFR 184.1409

**Heavy Metal Restrictions (Coneg Model Legislation):** There are no Cadmium, Hexavalent Chromium, lead or Mercury additives. These products may incidentally contain trace amounts of these metals (around 1ppm), which is far below the 100-ppm threshold level.

**National Sanitation Foundation:** The 40-200 and coarser products have been approved by NSF for ph adjustment and corrosion control of potable water supplies. See NSF Standard 60 for details.

**International Chemical Lists:** Substances in the product are listed in the following International Chemical Lists: ACOIN, MITI, EINECS