

# Franklin Industrial Minerals

## Material Safety Data Sheet

I - IDENTIFICATION			
CHEMICAL NAME	CHEMICAL FORMULA	MOLECULAR WEIGHT	
Limestone	CaCO <sub>3</sub>	Not Applicable	
TRADE NAME/SYNONYMS		DOT IDENTIFICATION NO.	
Calcium Carbonate, Pulverized Limestone, Ground Limestone, Ground Calcium Carbonate, GCC		Not Restricted	
II - PRODUCT AND COMPONENT DATA			
COMPONENT(S) CHEMICAL NAME		CAS REGISTRY NO.	
Calcium Carbonate		1317-65-3	
Silica (concentrations of less than 1.5%)		14808-60-7	
% APPROXIMATE	ACGIH TLV-TLW	OSHA PEL	
CaCO <sub>3</sub> 95-100	See Section VI		
Silica less than 1.5%			
III - PHYSICAL DATA		IV - REACTIVE DATA	
APPEARANCE & ODOR	SPECIFIC GRAVITY	STABILITY	CONDITIONS TO AVOID
White, Odorless Grains	2.71	Stable	None Known
BOILING POINT	VAPOR DENSITY (AIR=1)		INCOMPATIBILITY (Materials to Avoid)
N/A	N/A		None Known
VAPOR PRESSURE	% VOLATILE, By Volume	HAZARDOUS DECOMPOSITION PRODUCTS	
N/A	N/A	Respirable Dust May Be Generated by Handling and May Contain a Small Amount of Silica	
EVAPORATION RATE	SOLUBILITY IN WATER	HAZARDOUS POLYMERIZATION	
N/A	Insoluble	Will Not Occur	
V - FIRE AND EXPLOSION DATA			
FLASHPOINT (Method Used)		FLAMMABLE LIMITS IN AIR	
Not Flammable		Not Flammable	
EXTINGUISHING AGENTS		UNUSUAL FIRE & EXPLOSION HAZARDS	
None Required		None Known	
VI - TOXICITY AND FIRST AID			
EXPOSURE LIMITS <small>(When exposure to this and other chemicals is concurrent, the exposure limit must be defined in the workplace.)</small>			
Unless Specified Otherwise, Limits Are Expressed as Milligrams of Substance per Cubic Meter of Air.			
CaCO <sub>3</sub>	ACGIH-TLV 10.0 mg/m <sup>3</sup>	OSHA CFR 1910.1000 TWA 15.0 For Total Dust / 5.0 For Respirable Dust	
Silica	0.05 mg/m <sup>3</sup> TWA	0.05 mg/m <sup>3</sup> TWA For Respirable Dust	TLV=Threshold Limit Value TWA=Time Weighted Average
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE			
NUISANCE DUSTS HAVE LITTLE ADVERSE EFFECT ON LUNGS AND DO NOT PRODUCE SIGNIFICANT ORGANIC DISEASE OR TOXIC EFFECTS WHEN EXPOSURES ARE KEPT BELOW OCCUPATIONAL EXPOSURE LIMITS.			
PRIMARY ROUTES OF EXPOSURE:      INHALATION <input checked="" type="checkbox"/> SKIN <input type="checkbox"/>			
ACUTE TOXICITY      EXPOSURE TO DUST MAY IRRITATE RESPIRATORY SYSTEM, EYES AND SKIN			
Contact.....No Adverse Effects      Skin Absorption.....No Adverse Effects			
Eye Contact.....May Cause Irritation If Exposed to Large Amounts of Dust			
Ingestion.....Non-Hazardous			
FIRST AID			
<b>Dust In Eyes-</b> Flush with water. Contact a Physician if irritation persists or later develops.			
<b>Dust On Previously Irritated Skin-</b> Wash with soap and water. Contact a Physician if irritation is aggravated.			
<b>Dust Inhalation-</b> Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a Physician if irritation persists or later develops.			

## CHRONIC TOXICITY

Effect and hazards of chronic exposure:

There are no reported health effects associated with repeated or prolonged exposure to pure calcium carbonate. Overexposure to calcium carbonate dust may increase the risk of developing pneumoconiosis (lung disease). Being a naturally occurring mineral, these products contain minimal amounts of crystalline silica as an impurity. Prolonged exposure to respirable crystalline silica at levels above the occupational exposure limits may increase the risk of developing silicosis. IARC has classified crystalline silica as a Class 1 human carcinogen.

## VII - PERSONAL PROTECTION AND CONTROLS

### RESPIRATORY PROTECTION

NIOSH-MSHA approved dust respirators for conditions where dust levels exceed or are likely to exceed appropriate exposure limits. Respirator use must comply with applicable MSHA or OSHA standards, which include provisions for a user training program, respirator fit testing, and other requirements.

### HMIS RATING SYSTEM

#### C.A.S No. 1317-65-3

HEALTH HAZARD	0* NO ACUTE EFFECTS
FLAMMABILITY HAZARD	0
REACTIVITY HAZARD	0
MAXIMUM PERSONAL PROTECTION	A

### VENTILATION

Local exhaust or general ventilation adequate to maintain exposures below appropriate exposure limits.

### SKIN PROTECTION

See HYGIENE section below.

### 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 dust exposed skin with soap and water. Wash work clothes after each use. Sweep up spills and keep work area clean.

### OTHER CONTROL MEASURES

Respirable dust levels should be monitored regularly when appropriate exposure limits are likely to be exceeded.

## VIII - STORAGE AND HANDLING PRECAUTIONS

Respirable Dust may be generated during processing, handling and storage. The controls identified in Section VII of this MSDS should be applied as appropriate. Suggest storage or warehousing in a dry area.

## IX - SPILL, LEAK AND DISPOSAL PRACTICES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

The controls identified in Section VII of this MSDS should be applied as appropriate. Spilled materials, where dust can be generated, may over expose cleanup personnel to respirable dust. Wetting of spilled materials and/or use of respiratory protective equipment (dust masks) may be necessary. None of the components in this product are subject to the reporting requirements of *Title III of SARA 1986* and *40 CFR 261*.

### WASTE DISPOSAL METHOD

Dispose of this material only in accordance with applicable Federal, State and Local laws and regulations. Pickup and reuse clean materials. Limestone makes an excellent neutralizer for spilled acids. Material may be spread on lawns or fields to promote plant growth.

## X - TRANSPORTATION

### DOT HAZARD CLASSIFICATION

None

### PLACARD REQUIRED

None

### LABEL REQUIRED

Label is required by the OSHA Hazard Communications Standard (29 CFR 1910.1200[F]), and applicable State and Local regulations.

### FOR FURTHER INFORMATION CONTACT:

**Technical Department  
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