

Franklin Industrial Minerals

Material Safety Data Sheet

I - IDENTIFICATION			
CHEMICAL NAME	CHEMICAL FORMULA	MOLECULAR WEIGHT	
LIMESTONE	CaCO ₃	Not Applicable	
TRADE NAMES/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	
	Severely Hydrotreated Heavy Napthenic Petroleum Oil	64742-52-5	
	Fatty Acid, Tall Oil, Reaction Products with Polyethylenepolyamines	64754-94-5	
% APPROXIMATE	ACGIH TLV-TLW	OSHA PEL	
----- See Section VI BELOW -----			
CaCO ₃	95-100		
SILICA	<1.5%		
SHH Napthenic Petroleum Oil	<0.5%		
Fatty Acid, Tall Oil, Reaction Products with Polyethylenepolyamines	<0.5%		
III - PHYSICAL DATA		IV - REACTIVE DATA	
APPEARANCE & ODOR – Granular, May have slight organic odor	SPECIFIC GRAVITY 2.71	STABILITY Stable	CONDITIONS TO AVOID None Known
BOILING POINT N/A	VAPOR DENSITY (AIR = 1) N/A	INCOMPATIBILITY (MATERIALS TO AVOID) NONE KNOWN	
VAPOR PRESSURE N/A	% VOLATILE, By Volume N/A	HAZARDOUS DECOMPOSITION PRODUCTS Respirable dust may be generated by handling and may contain small amounts of silica	
EVAPORATION RATE N/A	SOLUBILITY IN WATER N/A	HAZARDOUS POLYMERIZATION WILL NOT OCCUR	
V - FIRE AND EXPLOSION DATA			
FLASH POINT (METHOD USED) NOT FLAMMABLE		FLAMMABLE LIMITS IN AIR NOT FLAMMABLE	
EXTINGUISHING AGENTS NONE REQUIRED		UNUSUAL FIRE & EXPLISION HAZARDS 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.			
	<u>ACGIH - TLV</u>	<u>OSHA CFR 1910.1000 TWA</u>	
CaCO ₃	10.0 for Total Dust / 5.0 for Respirable Dust	15.0 for Total Dust / 5.0 for Respirable Dust	
Silica	0.1 mg/m ³ TWA for Respirable Dust	0.1 mg/m ³ for Respirable Dust	
SHH Napthenic Petroleum Oil	5.0 for Oil Mist TWA / 10.0 for Oil Mist STEL	5.0 for Oil Mist	
<small>TLV=Threshold Limit Value TWA=Time Weighted Average</small>			
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	X
		SKIN	
ACUTE TOXICITY Exposure to dust may irritate respiratory system, eyes and skin Contact.....No Adverse Effects Eye Contact.....May cause irritation if exposed to large amounts of dust Injection.....Non-Hazardous Skin Absorption...No Adverse Effects			
FIRST AID Dust in eyes..... Flush with water. Contact a physician if irritation persists or develops later. Dust on previously irritated skin.....Wash with soap and water. Contact a physician if irritation is aggravated. Dust inhalation..... Remove to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops.			

CHRONIC TOXICITY

Effects 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 cancer). Being a naturally occurring mineral, these products contain minimal amounts of crystalline silica as an impurity. Prolonged exposure to respirable silica at levels above the occupational exposure limits may increase the risk of developing silicosis. IARC has classified crystalline silica as a Class I 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
CAS# 1317-65-3**

Health Hazard	0* no acute effects
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VENTILATION

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

SKIN PROTECTION

See HYGIENE section below.

Flammability Hazard	0* no acute effects
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Reactivity Hazard	A
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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.

Maximum Personal Protection	A
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Maximum Personal Protection	A
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OTHER CONTROL MEASURES

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

VII - STORAGE AND HANDLING PRECAUTIONS

Respirable dust may be generated during processing, handling, 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.

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 (29CFR 1910.1200[F], and applicable State and Local regulations

FOR FURTHER INFORMATION CONTACT:

**TECHNICAL DEPARTMENT
FRANKLIN INDUSTRIAL MINERALS
821 TILTON BRIDGE RD.
DALTON, GA 30721-5499
706-277-3740**

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