

Middle Tennessee Limestone Inc.

Material Safety Data Sheet

I - IDENTIFICATION			
CHEMICAL NAME Limestone	CHEMICAL FORMULA CaCO ₃	MOLECULAR WEIGHT Not Applicable	
TRADE NAME/SYNONYMS Calcium Carbonate, Pulverized Limestone, Ground Limestone, Ground Calcium Carbonate, GCC		DOT IDENTIFICATION NO. Not Restricted	
II - PRODUCT AND COMPONENT DATA			
COMPONENT(S) CHEMICAL NAME Calcium Carbonate Silica (concentrations of less than 1.5%)		CAS REGISTRY NO. 1317-65-3 14808-60-7	
% APPROXIMATE CaCO ₃ 95-100 Silica less than 1.5%	ACGIH TLV-TLW See Section VI	OSHA PEL	
III - PHYSICAL DATA		IV - REACTIVE DATA	
APPEARANCE & ODOR White, Odorless Grains	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 a Small Amount of Silica	
EVAPORATION RATE N/A	SOLUBILITY IN WATER Insoluble	HAZARDOUS POLYMERIZATION Will Not Occur	
V - FIRE AND EXPLOSION DATA			
FLASHPOINT (Method Used) Not Flammable		FLAMMABLE LIMITS IN AIR Not Flammable	
EXTINGUISHING AGENTS None Required		UNUSUAL FIRE & EXPLOSION 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.			
<small>CaCO₃</small>	<small>ACGIH-TLV 10.0 mg/m³ 0.05 mg/m³ TWA</small>	<small>OSHA CFR 1910.1000 TWA 15.0 For Total Dust / 5.0 For Respirable Dust 0.05 mg/m³ TWA For Respirable Dust</small>	<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	SKIN
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	Dust In Eyes- Flush with water. Contact a Physician if irritation persists or later develops. 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

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.

HMS RATING SYSTEM

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

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.

HEALTH HAZARD

0*
NO ACUTE EFFECTS

FLAMMABILITY HAZARD

0

REACTIVITY HAZARD

0

MAXIMUM PERSONAL PROTECTION

A

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:

MIDDLE TENNESSEE LIMESTONE INC.
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