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806-360-3886 Fax: 806-363-6276

MATERIAL SAFETY DATA SHEET

Calcium Carbonate

Doc. No.: MSDS Calcium Carbonate	Page 1 of X
	Review Date: 8/8/16

1.0 IDENTIFICATION OF MATERIAL:

Chemical Name	Limestone
Chemical Family	Alkaline Earth Metals
Molecular Formula	CaCO ₃

CAS NO.	COMPONENT	CONCENTRATION	PERMISSIBLE EXPOSURE LIMIT	SHORT TERM EXPOSURE LIMIT
1317-65-3	Calcium Carbonate	95-100%	10.0 mg/m ³	15.0 For Total Dust/ 5.0 For Respirable Dust
14808-60-7	Silica	Less than 1%	.05 mg/m ³ TWA	.05 mg/m ³ TWA For Respirable Dust

3.0 PHYSICAL DATA:

Typical Characteristics	Boiling Point	Specific Gravity (Water = 1)
White, tan odorless grains	N/A	2.73
Vapor Pressure (mm of HG)	Freezing Point	Incompatibility
N/A	N/A	None known
Vapor Density (Air = 1)	Solubility in Water	Hazardous Polymerization
N/A	Insoluble	Will not occur

4.0 FIRE AND EXPLOSIVE HAZARD DATA:

FLASH POINT Not Flammable	FLAMMABLE (EXPLOSIVE) LIMITS (PERCENT BY VOLUME)	
	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	N/A	N/A
FIRE EXTINGUISING MEDIA: N/A		
SPECIAL FIRE FIGHTING PROCEDURE: N/A		
UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known		

5.0 HEALTH HAZARD DATA:

EFFECTS OF OVEREXPOSURE	ACUTE	Nuisance dusts have little adverse effect on lungs and do not produce significant organic disease or toxic effects when exposures are kept
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		below occupational exposure limits
	CHRONIC	There is no reported health effects associated with repeated or prolonged exposure to calcium carbonate. Overexposure to calcium carbonate dust may increase the risk of developing pneumoconiosis (lung disease). Being a naturally occurring mineral this product contains 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.
EMERGENCY AND FIRST AID PROCEDURES:		
Dust in Eyes- Flush with water. Contact a Physician if irritation persists.		
Dust on Previously Irritated Skin- Wash with soap and water. Contact a Physician if irritation continues.		
Dust Inhalation- Remove to fresh air. Dust in throat and nasal passages should clear. Contact a Physician if irritation continues.		

6.0 REACTIVITY DATA:	
GENERAL REACTIVITY:	NON-REACTIVE
INCOMPATIBILITY (MATERIALS TO AVOID):	NONE KNOWN
HAZARDOUS DECOMPOSITION PRODUCTS:	NONE KNOWN
HAZARDOUS POLYMERIZATION:	NONE KNOWN
CONDITIONS TO AVOID:	NONE KNOWN

7.0 SPILL PROCEDURES/DISPOSAL REQUIREMENTS:	
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	NONE
WASTE DISPOSAL METHOD:	NONE
CONTAINER DISPOSAL:	N/A

8.0 SPECIAL PROTECTION INFORMATION:	
EYE PROTECTION:	Safety glasses with side shields should be worn as minimum protection
SKIN PROTECTION/ HYGIENE:	Wash dust exposed skin with soap and water.
RESPIRATORY:	NIOSH-MSHA approved dust respirators for conditions where dust levels exceed appropriate exposure limits. Respirator use must comply with applicable MSHA or OSHA standards, which include provisions for user training program, respirator fit testing and other requirements. Respirable dust levels should be monitored regularly when appropriate limits are likely to be exceeded.
VENTILATION:	Local exhaust or general ventilation adequate to maintain exposures below appropriate exposure limits.

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HMIS RATING SYSTEM	C.A.S. No. 1317-65-3 Health Hazard 0 Flammability 0 Hazard 0 Reactivity 0 Protection A
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9.0 SPECIAL PRECAUTIONS: STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

The controls identified in Section VIII of this MSS should be applied as appropriate. Spilled materials, where dust can be generated may over expose cleanup personnel to respirable dust. Wetting of spilled materials will eliminate dust and allow for easy cleanup.

STORAGE REQUIREMENTS:	Respirable dust may be generated during processing, handling and storage. The controls identified in Section VIII of this MSDS should be applied as appropriate. Suggest storing in a dry area.
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10.0 SHIPPING REGULATIONS (D.O.T. NOMENCLATURE:

Proper Shipping Name:		
Hazard Class	Type of Packaging	Label
NONE	NONE	NONE
Placard	Marker	Exemptions
NONE	NONE	NONE

11.0 Toxicity

	ACGIH-TLV	OSHA CFR 1910.1000 TWA
CaCO ₃	10.0 mg/m ³	15.0 For Total Dust/ 5.0 For respirable Dust
Silica	.05 mg/m ³ TWA	.05 mg/m ³ TWA For Respirable Dust

12.0 NOTES:

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