Franklin Industrial Minerals
Material Safety Data Sheet

I - IDENTIFICATION

CHEMICAL NAME	CHEMICAL FORMULA	MOLECULAR WEIGHT
Limestone	$CaCO_3$	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	CAS REGISTRY NO.
Calcium Carbonate	1317-65-3
Silica *(concentrations of less than 1.5%)*	14808-60-7

% APPROXIMATE	ACGIH TLV-TLW	OSHA PEL
CaCO3 95-100 Silica less than 1.5%	See Section VI	

III - PHYSICAL DATA

APPEARANCE & ODOR	SPECIFIC GRAVITY	BOILING POINT	VAPOR DENSITY (AIR=1)
White, Odorless Grains	2.71	N/A	N/A

VAPOR PRESSURE	% VOLATILE, By Volume	EVAPORATION RATE	SOLUBILITY IN WATER
N/A	N/A	N/A	Insoluble

IV - REACTIVE DATA

STABILITY	CONDITIONS TO AVOID	INCOMPATIBILITY (Materials to Avoid)
Stable	None Known	None Known

HAZARDOUS DECOMPOSITION PRODUCTS
Respirable Dust May Be Generated by Handling and May Contain a Small Amount of Silica

HAZARDOUS POLYMERIZATION
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 *(When exposure to this and other chemicals is concurrent, the exposure limit must be defined in the workplace.)*

Unless Specified Otherwise, Limits Are Expressed as Milligrams of Substance per Cubic Meter of Air.

	ACGIH-TLV	OSHA CFR 1910.1000 TWA
CaCO3	10.0 mg/m3	15.0 For Total Dust / 5.0 For Respirable Dust
Silica	0.05 mg/m3 TWA	0.05 mg/m3 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 [x] 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
Injestion.....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.

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.

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

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
FRANKLIN INDUSTRIAL MINERALS
821 Tilton Bridge Rd., S.E.
Dalton, Georgia 30721-5499
(706)277-3740