

PRODUCT NAME: Ground Limestone**PRODUCT CODES:** ALL PRO PLUS, DRITHERM®, DURAWHITE®,
HUBERCARB® G2, G2T, G3, G3T, G3S, G3ST, G4,
G40-200, G8, G16-40, G20-60, G40-0, G260, G261, G325,
G60, GQ8, MARBLE ELITE ALPHA®, ULTRAPLUS®**MANUFACTURER'S NAME:** Huber Engineered Materials**STREET ADDRESS:** Box 339
10322 Highway 53 East**CITY/STATE/POSTAL CODE/COUNTRY:** Marble Hill, Georgia 30148 USA**TELEPHONE NUMBER:** 770. 893.4428**COMMON CHEMICAL NAME:** Limestone**SYNONYMS:** Calcium Carbonate; Whiting**CAS NUMBER:** 1317-85-3

Limestone is a natural occurring mineral substance consisting primarily of calcium carbonate with lesser amounts of dolomite together with many other ingredients in small but varying amounts.

<u>COMPOUND</u>	<u>CAS NUMBER</u>	<u>TYPICAL CONCENTRATION, %</u>
Calcium Carbonate	471-34-1	94-98
Magnesium Carbonate	546-93-0	1.2-5.8
Crystalline Silica	14808-80-7	0.2-0.8

In addition, surface treated products, designated by the letter "T", contain 0.75 to 1.5% stearic acid (CAS #57-11-4).

ADDITIVES OR INGREDIENTS WHICH MAY BE PRESENT, AND WHICH MIGHT BE OF INDUSTRIAL HYGIENE INTEREST:

SILICA: Product contains greater than 0.1% total crystalline silica. Inhalable crystalline silica fraction, unknown.

The International Agency for Research on Cancer (IARC) believes there is sufficient evidence that crystalline silica is carcinogenic to humans if it is inhaled in the form of quartz or cristobalite from occupational sources. IARC notes that carcinogenicity was not detected in all industrial circumstances studied and that the carcinogenicity of crystalline silica may be dependent on inherent characteristics of the silica, or on external factors affecting its biological activity, or on the distribution of its polymorphs (quartz, cristobalite).

Revision Date: May 19, 1999

MARKETED BY
**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street - Akron, Ohio 44305
Akron - Chicago - Northeast - Southern - West Coast

Page 1 of 5

HAZARD IDENTIFICATION

<u>ROUTE OF EXPOSURE</u>	<u>HAZARD DETERMINATION</u>	<u>BASIS FOR DETERMINATION</u>
SKIN CONTACT	Non-hazardous	Historical
SKIN ABSORPTION	Non-hazardous	Historical
EYE CONTACT	Nuisance Dust	Historical
INGESTION	Non-hazardous	Historical
INHALATION		

Limestone ACGIH TLV: Total dust 10.0 mg/m³
 OSHA PEL: Total dust 15 mg/m³ TWA
 Respirable dust 5 mg/m³ TWA

SOURCE: OSHA 29 CFR 1910.1000 TABLE Z-1-A

SOURCE: ACGIH* TLV'S Threshold Limit Values for Chemical Substances

SOURCE: To the best of our knowledge, no studies have been done on eye, skin or ingestion hazards.

* ACGIH classifies limestone as a nuisance dust when toxic impurities are not present (e.g. quartz less than 1%).

EYE AND SKIN: No special precautions; flush with water.
INHALATION AND INGESTION: No special precautions.

FLASH POINT: None.

AUTOIGNITION TEMPERATURE: None.

FLAMMABLE LIMITS IN AIR: N.A.

Limestone is not a fire hazard or an explosive hazard in either the powder or slurry form. Special fire fighting procedures or extinguishing media are not applicable.

PROCEDURE WHEN MATERIAL IS RELEASED OR SPILLED: Accidental releases can be cleaned up by sweeping, vacuuming, or flushing with water.

NEUTRALIZING CHEMICALS: None required.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: No special precautions.

VENTILATION: Use sufficient general area ventilation. Local exhaust may be necessary where Threshold Limit Values (TLVs) are exceeded or dusty conditions exist.

Revision Date: May 19, 1999

G Series

Page 2 of 5

PERSONAL PROTECTIVE EQUIPMENT

EYE: Non-essential, but desirable.	OTHER: None.	GLOVES: Non-essential.
RESPIRATORY PROTECTION: For dusty conditions use a dust mask approved by NIOSH.		

PRECAUTIONARY STATEMENTS/LABELING:

PRODUCT SAFETY LABEL / ETIQUETA DE SEGURIDAD		
Health / Salud =	0*	NO ACUTE EFFECTS / Ninguno efecto agudo
Flammability / Inflamable =	0	NONE / No
Reactivity / Reactiva =	0	NONE / No
Maximum Personal Protection / Maxima Proteccion Personal =	E*	DUST MASK / Mascarilla para polvo * H.M.L.S. Label / H.M.L.S. Etiqueta
GROUND LIMESTONE / CALIZA MOLIDA (CAS #1317-65-3) SILICA, QUARTZ / SILICA, CUARZO (CAS #14808-60-7)		
<p>* CAUTION: Prolonged breathing of excessive dust may affect lung function. This product contains small amounts of crystalline silica. Inhalable crystalline silica from occupational sources is considered a human carcinogen. Use dust mask in dusty areas.</p>		<p>* ATENCIÓN: Respiración de polvo excesivo puede afectar la función pulmonar. Este producto contiene pequeñas cantidades de silicato cristalino. Inhalar silicato cristalino en el ambiente laboral es considerado como carcinógeno en los humanos. Use una mascarilla en áreas con mucho polvo.</p>
J.M. Huber Corporation – Engineered Materials Division Atlanta, Georgia 30327 USA		
		HSL#2

APPEARANCE AND ODOR: White powder with negligible odor.

BOILING POINT: N.A.

% VOLATILES BY VOL: N.A.

VAPOR PRESSURE: N.A.

SPECIFIC GRAVITY (WATER =1.0): 2.71

EVAPORATION RATE (BUTYL ACETATE =1): N.A.

pH: 8.5-9.5 at 10% solids.

MELTING POINT: Decomposes @ 1799 Degrees Fahrenheit

VAPOR DENSITY: N.A.

SOLUBILITY IN WATER: Negligible.

N.A. = NOT APPLICABLE

Revision Date: May 19, 1999

G Series

Page 3 of 5

CONDITIONS CONTRIBUTING TO INSTABILITY: Reacts with acids to liberate CO2.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None.
HAZARDOUS DECOMPOSITION PRODUCTS: None.

EFFECTS OF ACUTE OVEREXPOSURE: No acute effects. Brief exposures to nuisance dust concentrations above the 8-hour recommended Threshold Limit Value (TLV) should pose no acute health problems.

EFFECTS OF CHRONIC OVEREXPOSURE: As is true with any mineral product, long term overexposure to high concentrations of this dust without the use of a dust mask may produce X-Ray evidence of dust in the lungs. Continued long term overexposure may affect respiratory function in some individuals.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Unknown.

Limestone is not classified as a "toxic pollutant" or a "hazardous substance" under Sections 307 and 311 of the Clean Water Act.

WASTE DISPOSAL METHOD: NOT a hazardous waste under RCRA Section 3001. Use normal solid waste disposal procedures which are in compliance with Federal, State, and Local Regulations.

DOT: NOT RESTRICTED

INTERNATIONAL REGULATIONS

UN number: None.

Inland waterways: None.

Air transport (IATA/ICAO): None.

EINECS: 215-279-6

Land transport: None.

Sea transport (IMDG code): None.

Harmonized Tariff Code: 2836.50.00

STATE

Consult Local and State Hazard Communication Regulations.