



Great Lakes Calcium
Custom Minerals. Solid Partnerships.

MATERIAL SAFETY DATA SHEET

12/2010

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1. IDENTIFICATION:

Limestone
Calcium Carbonate
CAS No. 1317-65-3

Product: GLC-1012d

2. INGREDIENTS AND EXPOSURE LIMITS:

Composition	Typical % Weight	Exposure Limits OSHA PEL	ACGIH TLV
Calcium Carbonate	99+	15 milligrams per cubic meter of air (total dust). 5 MG/M3 for respirable dust.	10 milligrams per cubic meter of air for total dust. 3 MG/M3 for respirable dust.
Silica (Quartz) Total	<1.0		
Respirable Fractions		$\frac{10 \text{ MG/M3}}{\% \text{SiO}_2 + 2}$	0.1 MG Silica/M3

3. PHYSICAL DATA:

Melting Point: Decomposes at approximately 1,500° F and liberates carbon dioxide.
Vapor Pressure: N/A
Boiling Point: N/A
Evaporation Rate: N/A
Specific Gravity: 2.4 . 2.6 (Typical)
Appearance & Odor: Tan/gray-brown in color; odorless solid.

4. FIRE AND EXPLOSION DATA:

Flash Point: N/A
Extinguishing Media: Water
Unusual Fire & Explosive Media: None

5. SPILL OR LEAK PROCEDURES:

Spills: Sweep or vacuum material from spill into a waste container for disposal.

Waste Disposal Method: This material can be disposed of in a landfill or by other procedures that are acceptable under Federal, State and Local 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

6. HEALTH HAZARD DATA:

No Major Exposure Hazard: Limestone is the non-technical or agricultural grade of calcium carbonate. The material is essentially non-toxic. The refined form of calcium carbonate is an excellent antacid and cosmetic ingredient. Calcium carbonate is a common air contaminant of insignificant concern. Extremely high concentrations of calcium carbonate dust are self-liming due to the nuisance conditions they may create causing coughing, sneezing and nasal irritation. Limestone dust may contain respirable silica particles. Silica is capable of causing silicosis if inhaled in high enough concentrations over an extended period of time.

Routes of Exposure:

Inhalation: Yes
Ingestion: Yes
Skin: No

Carcinogenicity:

NTP: No
OSHA: No
IARC: No

Emergency and First Air Procedures: Emergency and first aid procedures typically do not apply to limestone. For dermal or eye irritation, flush with water. If irritation persists, refer to medical aid. Remove from exposure in cases of overwhelming dust generation.

7. REACTIVITY DATA:

Avoid contact with acid. Stable.
Hazardous polymerization will not occur.

8. SPECIAL PROTECTION INFORMATION:

Respiratory: Appropriate NIOSH/MSHA approved dust respirators depending upon the type and magnitude of exposure.

Skin: Good personal hygiene. Clean work clothes and moisturizing creams.

Eyes: Safety glasses.

Ventilation: Mechanical ventilation to reduce dust concentrations.

Other Protective Equipment: None.

9. SPECIAL PRECAUTIONS:

Excessive particulate in workplace air is to be avoided.

DOT Hazard Classification: None

Placard Required: None

This information is taken from sources or based upon data believed to be reliable. However, Great Lakes Calcium Corporation makes no warranty as to the absolute correctness or sufficiency of any of the foregoing, or that additional or other measure may not be required under particular conditions.