

GREER LIME COMPANY – MATERIAL SAFETY DATA SHEET

OSHA HAZARD COMMUNICATION

PRODUCT IDENTIFICATION Calcium Oxide - Pebble, Burnt, or Quicklime	CHEMICAL ABSTRACT NUM. CAS No. 1305-78-8	DATE REVISED 8/26/05
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Section I

MANUFACTURER Greer Lime Company HC 78 Box 93 - A Riverton, WV 26814	24 Hour Emergency Contact Number: (800) 344-5133 in WV (800) 538-3100 out of state Telephone Number for Information: (304) 296-1751	HMIS II SAFETY RATING Health - 3 Flammability - 0 Physical Hazard - 2 Personal Protective Equip - E
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Section II – Hazardous Ingredients / Identity Information

Specific Chemical Identity; Common Names	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Calcium Oxide; Pebble, Burnt, or Quicklime	5 mg/m ³		326 Mg/L (NSF)	

Calcium oxide is not listed on the NTP, IARC, or OSHA lists of carcinogens. Greer Lime Company recommends using personal protection equipment when handling this product.

Section III – Physical / Chemical Characteristics

Boiling Point (Calcium Oxide)	2850 F	Specific Gravity (H ² O) = 1)	0.87
Vapor Pressure (mm Hg)	NA	Melting Point – Loses CO ²	2572 F
Vapor Density (Air = 1)	1.9	Evaporation Rate	NA
Solubility in Water	Reacts to form calcium hydroxide		
Appearance and Color	White to gray lumps, pebbles, granules, powder; Odorless		

Section IV – Fire and Explosion Hazard Data

Flash Point	NA	Flammable Limits – NA
Extinguishing Method	NA	
Special Fire Fighting Procedures	Reaction with water may produce enough heat to ignite combustible material.	
Unusual Fire and Explosion Hazards	Material is an explosion hazard when wet and confined.	

Distributed By:
SAL Chemical
3036 Birch Drive
Weirton, WV 26062
304-748-8200

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid – NA
	Stable	X	
Incompatibility (Materials to Avoid)		Water, Acid, Interhalogen, Phosphorus (V) Oxide	
Hazardous Decomposition or Byproducts		None	
Hazardous Polymerization	May Occur		Conditions to Avoid – NA
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry	Inhalation? - YES	Absorption Through Skin? - YES	Ingestion (swallowing)? - YES
Health Hazards	Acute	Corrosive to skin and eyes. Causes irritation and inflammation to mucous membrane and respiratory passages.	
	Chronic	Long-term exposure can cause irritation, ulceration and perforation of nasal septum.	
Carcinogenicity Calcium Oxide	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure		Irritation of skin, eyes, and respiratory tract.	
Medical Conditions Generally Aggravated by Exposure		Respiratory disease, skin condition.	
Emergency and First Aid Procedures		Remove to fresh air. Wash dust with soap and water. Flush out eyes with generous amounts of water. Drink plenty of water if swallowed. See Physician.	

Section VII – Precautions for Safe Handling

Steps to Be Taken in Case Material is Released or Spilled	Normal clean-up procedures. Care should be taken to avoid causing dust to become airborne. Vacuum cleaning systems are recommended.
Waste Disposal Method	Dispose of product in accordance with Federal, State and Local regulations.
Precautions to Be Taken in Handling	Store away from water and acids.
Other Precautions	Waste should not be discarded with combustible material where the possibility exists of getting the mixture wet – FIRE HAZARD!

Section VIII – Control Measures

Respiratory Protection - Dust filter mask is recommended as minimal protection		
Ventilation	Local Exhaust - To maintain TLV' and PEL Mechanical - To maintain TLV' and PEL	Special - None Other - None
Protective Gloves - Cloth or leather gloves will protect skin		
Eye Protection - Fitted goggles will reduce eye injury		
Other Protective Clothing - Long sleeve shirts and pants		
Work / Hygienic Practices - Maintain dust exposure limits below TLV and PEL. If not possible - use respiratory protection. Avoid contact with eyes, skin. Wash thoroughly after handling. Wash clothing after use.		

Section IX – Regulatory Compliance

Listed on the U.S. EPA TSCA Inventory. Regulated as a hazardous material by the Department of Transportation only when shipped by air.