SAFETY DATA SHEET

Section 1 Chemical Product and Company Information	
80 Northwest Blvd. Nashua, NH 03063 (800) 225-3739	CHEMTREC 24 Hour Emergency Phone Number (800) 424-9300 For laboratory use only. Not for drug, food or household use.
Product CALCIUM OXIDE	
Synonyms Lime / Quick Lime / Burnt LIme	
Section 2 Hazards Identification	
This substance or mixture has not been classified as hazardous according to the Globally Harmonized System (GHS) of Classification and Labeling of Chemicals. Signal word: DANGER Pictograms: GHS05 / GHS07 Target organs: Respiratory system, Eyes, Skin, Mucous membranes	 Precautionary statement: P261: Avoid breathing dust. P264: Wash hands thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P280: Wear protective gloves/protective clothing/eye protection/face protection. P302+P352: IF ON SKIN: Wash with plenty of water and soap. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P332+P313: If skin irritation occurs: Get medical advice/attention. P362+P364: Take off contaminated clothing and wash before reuse. P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Ca Prop 65 - This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 3	Composition / Information on Ingredients				
Chemical Name		CAS #	%	EINECS	
Calcium oxide		1305-78-8	100%	215-138-9	
Section 4	First Aid Measures				

INGESTION: HARMFUL IF SWALLOWED. CAUSES SEVERE GASTROINTESTINAL TRACT IRRITATION AND/OR BURNS. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. CAUSES SEVERE RESPIRATORY TRACT IRRITATION AND/OR BURNS. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE IRRITATION AND/OR BURNS. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: CAUSES SKIN IRRITATION AND/OR BURNS. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media: DO NOT use carbon dioxide or halogenated agents. Use flooding amounts of water as spray to absorb the heat generated.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Reacts with water to release heat and form alkaline solution. Contact with water or moisture may generate sufficient heat to ignite combustible materials. Product will swell with moisture and may burst containers.

Section 6 Accidental Release Measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Section 7 Handling & Storage

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8	Exposure Controls / Personal Protection					
Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)		
Exposure Linius.	Calcium oxide	TWA: 2 mg/m ³	TWA: 5 mg/m ³	TWA: 2 mg/m ³		

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHAapproved respirator.

Section 9	Physical & Chemical Prope	rties					
Odor: Earthy odor. Odor threshold: Da pH: Data not availa	ata not available. ble. point: 2572°C (4662°F) °C (5162°F)	Flammability (Explosion limi Vapor pressur Vapor density Relative densi	ate (= 1): Not applic solid/gas): Not applic ts: Lower / Upper: N e (mm Hg): Data not (Air = 1): Data not av ty (Specific gravity): Slightly soluble in water	cable lot applicable available railable 3.2-3.4	Auto-igniti Decompos Viscosity: Molecular	coefficient: Not ap ion temperature: sition temperature Data not available formula: CaO weight: 56.08	Data not available Data not available.
Section 10	Stability & Reactivity						
Chemical stability: Conditions to avoid	Stable d: Protect from water, moisture an		ous polymerization:		ened.		
perchlorates, nitrate	rials: Ethanol, boric acid and calci s and permanganates, acids. Rea	cts with water t	o form calcium hydrox	ide and heat. React			7 T T T
Hazardous decom	oosition products: Thermal deco	mposition resul	it in Calcium hydroxide	? .			
Section 11	Toxicological Information						
Carcinogenity: Da NTP: No componen IARC: No componen OSHA: No compone Reproductive toxic STOT-single expos STOT-repeated exp Aspiration hazard: Potential health eff Inhalation: Inhalatic larynx and bronchi, Ingestion: Ingestior the digestive tract. Skin: Contact with s Eyes: Contact with s igns and symptor	t of this product present at levels g nt of this product present at levels ent of this product present at levels sity: Data not available sure: The substance or mixture is posure : Data not available Data not available	greater than or greater than or classified as sp e upper respira ary edema. I tract irritation ful swallowing, with possible de and possible of	equal to 0.1% is ident r equal to 0.1% is iden becific target organ tox tory tract with pain, bu with nausea, vomiting rapid pulse and therm sep, penetrating ulcers corneal injury.	ified as probable, pos tified as a carcinoge icant, single exposur urns and inflammation and possible burns. al burns.	ssible or confi n or potential e, category 3 n. May be fata	rmed human carcir carcinogen by OSF with respiratory eff al as a result of spa	IA. ects. asm, inflammation, edema of th
Toxicity to fish: Cy Toxicity to daphnia Toxicity to algae: N Persistence and de Mobility in soil: No	prinus carpio (fish, fresh water), Lú and other aquatic invertebrates lo data available agradability: No data available	: Other aquatic Bioaccum PBT and v	crustacea, EC50 = 1 ulative potential: No PvB assessment: No	data available o data available	^r disposal.		
Section 13	Disposal Considerations						
	idelines are intended for the dis e different. Dispose of in accor						
Section 14	Transport Information						
UN/NA number: Hazard class: 8 Exceptions: Lin	UN1910 Shipping na Packing gro nited quantity equal to or less t	•	Reporta	ble Quantity: No G Guide # 157		Mar	ine pollutant: No
Section 15	Regulatory Information	J (
	ed to be listed if the CAS number for the		is on the Inventory list.				
Compon	ent	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	WHMIS Classification
Calcium oxide		Listed	Not listed	Not listed	Listed	Not listed	E E

Section 16 **Additional Information**

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.