

# SAFETY DATA SHEET



NFPA	HMIS	PPE	Symbol(s)
Current Issue Date: May 22, 2015		Revision Number: 0	
<b>1. PRODUCT AND COMPANY IDENTIFICATION</b>			
Product Name:	CAL~FLO® LIME SLURRY		
Other/Generic Names:			
Recommended Use:	Municipal Water, Wastewater and Industrial uses		
Manufacturer:	Burnett Lime Company, Inc. 7095 Highway 11 Campobello, SC 29322		
For More Information:	Customer Service US ONLY: 800-726-4187		
Emergency Telephone Number:	US ONLY - CALL CHEMTREC: 800-424-9300 (24 Hours/Day, 7 Days/Week) CANADA ONLY - CALL CANUTEC: 613-996-6666 (24 Hours/Day, 7 Days/Week)		
<b>2. HAZARDS IDENTIFICATION</b>			
<b>EMERGENCY OVERVIEW:</b> White liquid suspension with a negligible odor. May cause irritation or burns to the skin and eyes. May be harmful if swallowed or inhaled. Not flammable.			
<b>OSHA Status:</b>	This material is considered non-hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)		
<b>Potential Health Affects</b>			
<b>Skin:</b>	May cause irritation and burns to the skin.		
<b>Eyes:</b>	May cause irritation and burns to the eyes.		
<b>Inhalation:</b>	Harmful if swallowed.		
<b>Ingestion:</b>	Avoid breathing vapor or dust.		
<b>Delayed Effects:</b>	None known		
<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>			
<b>Component</b>	<b>CAS No</b>	<b>Weight %</b>	
calcium hydroxide slurry	1305-62-0	Min:30 Max:35	
<b>4. FIRST AID MEASURES</b>			
<b>Eye Contact</b>	Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.		
<b>Skin Contact</b>	Flush with plenty of water, removing contaminated clothing. If irritation develops, get medical attention.		
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get prompt medical attention.		
<b>Ingestion</b>	Do not induce vomiting. Immediately give large quantities of milk or water. Get medical attention immediately.		
<b>Notes to Physician</b>	Treat symptomatically.		

# CAL~FLO® LIME SLURRY

5. FIRE-FIGHTING MEASURES					
<u>Flammable Properties</u>					
<b>FLASH POINT:</b>	Not Flammable				
<b>FLASH POINT METHOD:</b>	Not Applicable				
<b>AUTOIGNITION TEMPERATURE:</b>	Not Applicable				
<b>UPPER FLAME LIMIT (VOLUME % IN AIR):</b>	Not Applicable				
<b>LOWER FLAME LIMIT (VOLUME % IN AIR):</b>	Not Applicable				
<b>FLAME PROPAGATION RATE (SOLIDS):</b>	Not Applicable				
<b>OSHA FLAMMABILITY CLASS:</b>	Not Applicable				
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Water, foam or dry chemical				
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	No information available				
<u>Explosion Limits</u>					
<b>Hazardous Combustion Products</b>	No information available				
<b>Impact sensitivity</b>	No information available				
<b>Sensitivity to static discharge</b>	No information available				
<b>Specific Hazards Arising from the Chemical</b>	None known				
<b>Protective Equipment and Precautions for Firefighters</b>	Wear self-contained breathing apparatus (SCBA) and full protective equipment.				
6. ACCIDENTAL RELEASE MEASURES					
<b>IN CASE OF SPILL OR OTHER RELEASE</b>	Dry product can be swept or shoveled up for recovery or disposal. Avoid creating dust. Trace residues can be neutralized with water or dilute acid (preferably acetic acid). Sodium bicarbonate may also be used to partially neutralize. Keep out of sewers. Large releases may be subject to federal and/or state reporting requirements. Check with appropriate agencies.				
7. HANDLING AND STORAGE					
<b>Handling</b>	Avoid contact with skin, eyes, and clothing. Avoid breathing dust or mists. Remove contaminated clothing and wash thoroughly after handling. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling. When making solutions, use sufficient agitation and cooling, to avoid splattering. Avoid handling conditions that may lead to spills, leaks, or the formation of dust or mist. Wear protective clothing.				
<b>Storage</b>	Keep storage container tightly closed. Store in a cool, dry, well-ventilated area. Isolate from incompatible substances, such as acids, peroxides, metals, easily ignitable materials and other incompatibilities. Protect against moisture and water. Protect from physical damage.				
8. EXPOSURE CONTROLS/PERSONAL PROTECTION					
<u>Component</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Ontario TWAEV</u>	<u>Mexico OEL (TWA)</u>	<u>NIOSH IDLH</u>
Calcium hydroxide					
<b>Engineering Measures</b>	Use local exhaust to keep airborne concentrations below the permissible exposure limits.				
<u>Personal Protective Equipment</u>					
<b>Eye/Face Protection</b>	Wear chemical safety goggles or face shield. Do not wear contact lenses.				
<b>Skin Protection</b>	Wear appropriate personal protective clothing to prevent skin contact. Remove contaminated clothing promptly.				
<b>Respiratory Protection</b>	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.				
<b>General Hygiene Considerations</b>	To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29 CFR 1910.132) be conducted before using this product. Eyewash and safety showers are recommended.				


# CAL~FLO® LIME SLURRY

9. PHYSICAL AND CHEMICAL PROPERTIES			
<b>Appearance</b>	White liquid		
<b>Color</b>	White		
<b>Chemical Formula</b>	Mixture		
<b>Odor</b>	Negligible		
<b>Odor Threshold</b>	No information available		
<b>Physical State</b>	Liquid		
<b>pH</b>	12.4		
<b>Flash Point</b>	Not flammable		
<b>Autoignition Temperature</b>	Not applicable		
<b>Boiling Point/Range</b>	100°C / 212°F		
<b>Melting Point/Range</b>	580°C / 1076°F		
<b>Flammability Limits in Air</b>	No information available		
<b>Explosive Properties</b>	No information available		
<b>Oxidizing Properties</b>	No information available		
<b>Evaporation Rate</b>	Negligible		
<b>Vapor Pressure</b>	Not applicable		
<b>Vapor Density</b>	Not applicable		
<b>Specific Gravity</b>	1.19-1.20		
<b>Partition Coefficient (n-octano/water)</b>	No information available		
<b>Viscosity</b>	No information available		
<b>Molecular Weight</b>	Mixture		
<b>Water Solubility</b>	100		
10. STABILITY AND REACTIVITY			
<b>Chemical Stability</b>	Normally stable		
<b>Conditions to Avoid</b>	None known		
<b>Incompatible Products</b>	Boric oxide, acids, fluorine, and many organic materials		
<b>Hazardous Decomposition Products</b>	None known		
<b>Possibility of Hazardous Reactions</b>	Will not occur		
11. TOXICOLOGICAL INFORMATION			
<b>Acute Toxicity</b>			
<b>Component Information</b>			
<b>Component</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
calcium hydroxide			
<b>Irritation</b>	No information available		
<b>Corrosivity</b>	No information available		
<b>Sensitization</b>	No information available		
<b>Chronic Toxicity</b>			
<b>Carcinogenicity</b>	There are no known carcinogenic chemicals in this product.		
<b>Mutagenic Effects</b>	No information available		
<b>Reproductive Effects</b>	No information available		
<b>Developmental Effects</b>	No information available		
<b>Teratogenicity</b>	No information available		
<b>Target Organ Effects</b>	No information available		
<b>Other Adverse Effects</b>	No information available		
<b>Endocrine Disruptor Information</b>	No information available		

# CAL~FLO® LIME SLURRY

12. ECOLOGICAL INFORMATION				
<b>Ecotoxicity</b>				
Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.				
<b>Component</b>	<b>Freshwater Algae</b>	<b>Freshwater Fish</b>	<b>Microtox</b>	<b>Water Flea</b>
Calcium hydroxide				
<b>Persistence and Degradability</b>		No information available		
<b>Bioaccumulation</b>		No information available		
<b>Mobility in Environmental Media</b>		No information available		
<b>Other adverse effects</b>		No information available		
13. DISPOSAL CONSIDERATIONS				
<b>Waste Disposal Methods</b>		Dispose of waste in accordance with all federal, state, and local regulations.		
<b>Contaminated Packaging</b>		Empty containers should be taken for local recycling, recovery or waste disposal.		
14. TRANSPORT INFORMATION				
<b>DOT</b>		Not Regulated		
<b>Proper Shipping Name</b> <b>Hazard Class</b> <b>UN-No</b> <b>Packing Group</b>				
<b>TDG</b>		Not Regulated		
<b>Hazard Class</b> <b>UN-No</b> <b>Packing Group</b>				
15. REGULATORY INFORMATION				
<b>International Inventories</b>				
<b>TSCA</b>	Yes			
<b>DSL</b>	Yes			
<b>ELINCS</b>	No			
<b>EINECS</b>	Yes			
<b>ENCS</b>	Yes			
<b>CHIINA</b>	Yes			
<b>KECL</b>	Yes			
<b>PICCS</b>	Yes			
<b>AICS</b>	Yes			
<b>U.S. Federal Regulations</b>				
<b>SARA 313</b>				
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains the following chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372: None				
<b>SARA 311/312 Hazardous Categorization</b>				
<b>Chronic Health Hazard</b>		No		
<b>Acute Health Hazard</b>		No		
<b>Fire Hazard</b>		No		
<b>Sudden Release of Pressure Hazard</b>		No		
<b>Reactive Hazard</b>		No		

# CAL~FLO® LIME SLURRY

<b>CERCLA</b>	
<u>Component</u>	<u>CERCLA RQ (lb)</u>
calcium hydroxide	
<p><b>U.S. State Regulations</b>  <b>California Proposition 65</b>                      This product does not contain any Proposition 65 chemicals.</p>	
<p><b>Other International Regulations</b>                      Mexico                      No information available                      Canada                        This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.</p>	
<b>WHMIS Hazard Class</b>	
E Corrosive material	
(Listed due to corrosive effect on aluminum)	
16. OTHER INFORMATION	
Current Issue Date:	May 2015
Previous Issue Date:	January 2015
Revision Summary:	Document name changed to SDS from MSDS.
<p>Disclaimer:  <i>All information, statements, data, service and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representation or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter, including, without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Burnett Lime Company, Inc. is not engaged in the business of providing technical, operational, engineering or safety information for a fee, and therefore; any such information provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill, and experience in the chemical industry. Burnett Lime Company, Inc. shall not be responsible or liable for the use, application or implementation of the information, provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.</i></p> <p style="text-align: center;">End of SDS</p>	