

C A L C I U M   H Y D R O X I D E   S L U R R Y



# CALCIUM HYDROXIDE SLURRY

*The alkaline alternative for municipal, industrial, environmental, and construction applications requiring exceptional service and value.*

Chemical Lime Company (CLC) is North America's leading producer and supplier of calcium hydroxide slurry products. Since 1960, the company has manufactured easy-to-use calcium hydroxide slurry for industrial, municipal, environmental, and construction applications. Today, CLC manufactures slurry products for a wide variety of customer applications.

## Easy-to-use Product

Finally there are calcium hydroxide products available that do not require processing before application. CLC provides calcium hydroxide slurry

products that are ready-to-use and easy to feed, monitor, and control due to user-friendly product properties.

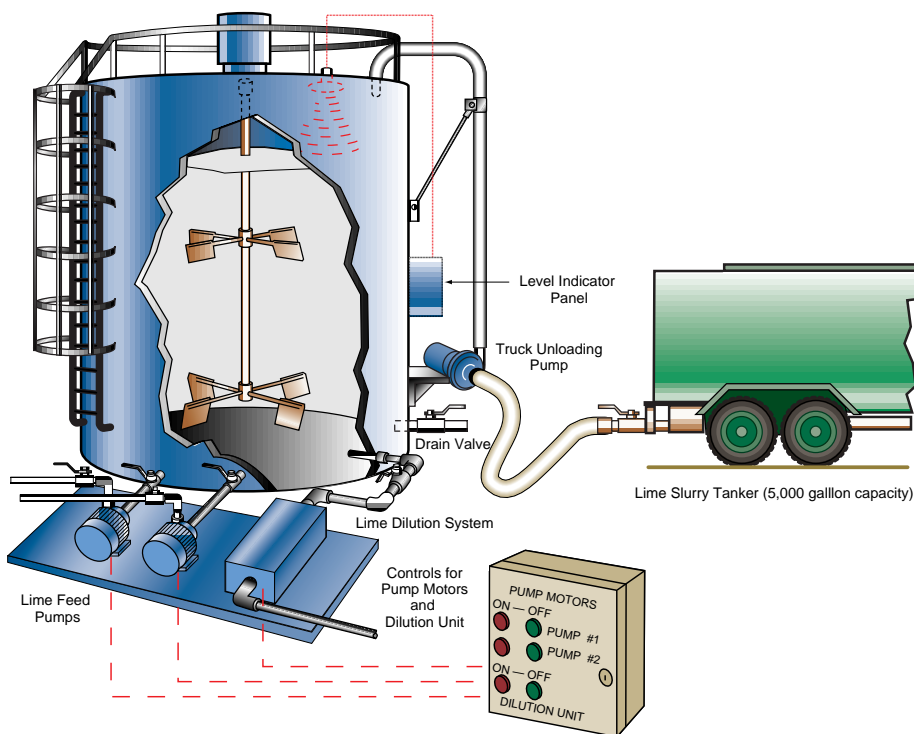
Storage and feed systems are simple. An agitated tank is all that is required for storage. Feed of the calcium hydroxide slurry is simple and reliable—no more problems with bridged silos, unreliable slakers, plugged feed lines, or fugitive dust.

Associated maintenance expenses, manpower, and processing time are significantly reduced—saving the user money by lowering overall costs.

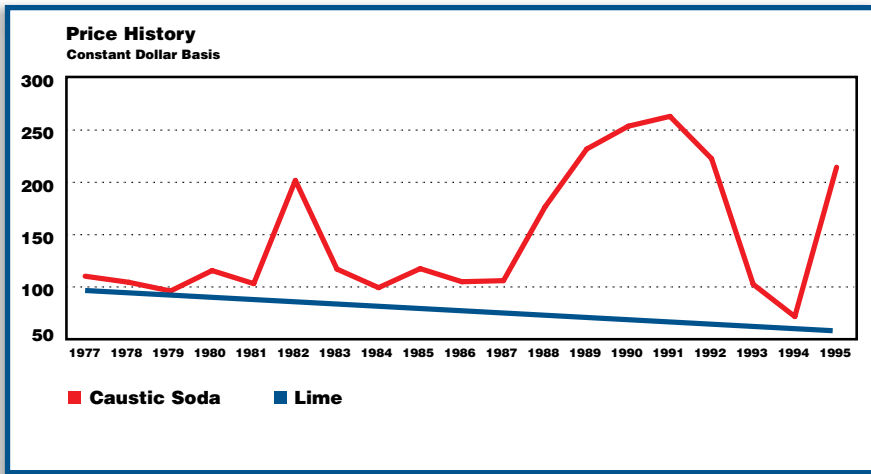
Calcium hydroxide slurry provides several environmental and safety advantages. CLC's calcium hydroxide slurry is non-hazardous, thereby simplifying transportation, storage, and handling. Fugitive dust is eliminated, so there is no need for an air permit. The potential for injuries associated with handling dry chemicals is eliminated with a liquid product. However, as with all chemicals, use caution when handling.

## Low Cost Source of Hydroxide Alkalinity

Calcium hydroxide slurry is a low cost source of hydroxide alkalinity. Lime has a proven track record of stable pricing. Price stability means that the customer can confidently establish and manage operating budgets—both short-term and long-term.



**Simple system design means lower capital, manpower, and maintenance costs.**



**Stable pricing—a benefit of lime**

The minimal equipment requirement for calcium hydroxide slurry means lower capital costs and reduced maintenance expenses when compared to other dry chemicals. The simplicity of operation eliminates the need for extra operators.

All together, the reductions realized in labor, equipment, maintenance, and processing costs makes calcium hydroxide slurry an excellent alkaline solution.

### **Unparalleled Versatility**

Calcium hydroxide slurry is used in a wide variety of applications including:

- pH adjustment and control
- acid neutralization
- metals precipitation
- lime softening
- coagulation
- odor control
- sludge stabilization
- corrosion control
- other processes requiring calcium or hydroxide ions

Calcium hydroxide slurry is manufactured from ANSI/NSF Standard 60 certified raw materials, ensuring acceptability for the treatment of drinking water.

Calcium hydroxide slurry is a low cost replacement for a number of alkaline materials like:

- caustic soda
- magnesium hydroxide
- soda ash

Markets currently using calcium hydroxide slurry include:

- municipal and industrial water and wastewater treatment
- metals finishing
- food processing
- chemical
- environmental projects
- stack gas scrubbing

**Calcium hydroxide is a cost-effective alkali used in many processes in the chemical and related industries.**



## Product Characteristics

A highly effective alkaline chemical, calcium hydroxide can reduce the total dissolved solids in a waste stream. Calcium hydroxide also reacts much quicker than magnesium hydroxide and is safer to use than caustic soda. For specific product characteristics, refer to the product "Typical Analysis" and Product Data Sheet.

## Total Value = Increased Performance

CLC's research and development, technical support, and quality control teams provide customers with support

for standard products or custom-designed solutions. Flexible system designs are created for each specific application, resulting in an excellent product fit. High-quality limestone sources provide the base for exceptional products, and more than 35 years of manufacturing experience equals unparalleled expertise.

Chemical Lime Company is the nation's leading producer of solutions-oriented, lime-based products for industrial, municipal, environmental, and construction applications. CLC, headquartered in Fort Worth, Texas,

has more than 40 locations in North America. The company serves the water, wastewater, steel, paper, building construction, highway construction, mining, copper processing, FGD, food, chemical, and industrial markets with an array of products.

Please refer to Material Safety Data Sheets for product safety information. © Chemical Lime Company except as noted. All rights reserved. Information subject to change.

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