

PRODUCT DEFINITION

Lime Slurry
 Suspension of Ca(OH)₂

MARKET APPLICATIONS

Drinking Water / Municipal Water /
 Industrial Water / Solidification &
 Remediation / Flue Gas Treatment

DESCRIPTION

CALSAFE is a ready-to-use liquid lime (stable suspension of calcium hydroxide) formulated to adjust pH levels, or add needed alkalinity to industrial effluent, sludge and wastewater systems. Designed to reduce storage and handling problems on site, this proprietary lime slurry provides increased rates of reaction after dosing and is easy to feed, monitor, and control.

CHEMICAL PROPERTIES

	Bellingham Operation	Baltimore Operation	East Chicago Operation	Blind River Operation
Calcium Hydroxide, Ca(OH) ₂	94.4%	94.4%	94.4%	
Available Calcium Oxide, CaO	71.4%	71.4%	71.4%	20.23%*
Magnesium Oxide, MgO	0.8%	0.8%	0.8%	
Calcium Carbonate, CaCO ₃	1.7%	1.7%	1.7%	
Silicon Dioxide, SiO ₂	1.2%	1.2%	1.2%	
Aluminum Oxide, Al ₂ O ₃	0.4%	0.4%	0.4%	
Iron Oxide, Fe ₂ O ₃	0.2%	0.2%	0.2%	
Sulfur, S	0.03%	0.03%	0.03%	
Loss of Ignition (LOI)	23.9%	23.9%	23.9%	

These parameters are averages, based on long-term values

* Value given on wet basis, other values in chart are on dry basis.

CONFORMANCE STANDARDS

CALSAFE meets the AWWA standard B202-93

Complies with NSF / ANSI / CAN 60



PHYSICAL PROPERTIES

	Bellingham Operation	Baltimore Operation	East Chicago Operation	Blind River Operation
Volume Solids	30-40%	30-40%	30-40%	26.73%
Bulk Density (lb/gal)	10.04-10.78	10.04-10.78	10.04-10.78	
Viscosity	500-780 cps	500-780 cps	500-780 cps	
Particle Size:	Average (%)	Average (%)	Average (%)	Average (%)
Passing US#30 Sieve	100%	100%	100%	
Passing US#100 Sieve	98%	98%	98%	
Passing US#200 Sieve	95%	95%	95%	91.37 (Jan-Mar) 92.09 (Apr-Dec)
Passing US#325 Sieve	90%	90%	90%	

PRODUCTION SITES

Baltimore, MD
 Bellingham, MA
 East Chicago, IN
 Blind River, ON

PRODUCT REGISTRATION

CAS 1305-62-0

The information contained in this product data sheet is, to the best of our knowledge, true and accurate, but any typical values given are subject to occasional variations based on variations in the raw material inputs and processing operations. Each user is advised to evaluate the product (specific compositions, physical properties and performance characteristics) independently for suitability in the intended use.

For more information or to place an order contact us:

11 Stanwix Street, 21st Floor, Pittsburgh, PA 15222
 1-866-780-0974 | salesinfo@carmeuse.com | www.carmeuse.com



SAFETY

Safety datasheet available upon request

PACKAGING

Bulk - Please contact a sales representative for information.

STORAGE

In an open or close tank equipped with mixer ensuring the product homogeneity during storage.

FEATURES/BENEFITS

Features

- Acid neutralization & metal removal
- Ease of use
- Ready-to-use liquid
- Free-flowing
- No dusting concerns
- Non-hazardous
- Eliminates maintenance typical of feed systems
- Stable pricing

Benefits

- Removes impurities
- Minimizes manpower needed saving time and money
- Requires no dry storage or materials blending
- Safe and easy to handle
- Eliminates the need for air permits
- Simplifies shipping, storage, and handling
- Reduces potential for injuries
- Economically beneficial

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