



NATURAL HYDRAULIC LIME

Material Safety Data Sheet

COMPANY ID: U.S. Heritage Group, 3516 North Kostner Ave. Chicago, IL 60641

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Emergency Contact: 773-286-2100

SECTION I: PRODUCT GROUP

PRODUCT GROUP:	Natural Hydraulic Lime	
PRODUCTS:	FORMULA:	CAS #:
Natural Hydraulic Lime		

SECTION II: INGREDIENTS

MATERIALS:	
Natural Hydraulic Lime	Ca(OH) ₂ not less than 60% Oxides SiO ₂ 9.6% Al ₂ O ₃ 3.2% Fe ₂ O ₃ 1.4% CaO 61.6% MgO 1.6%

SECTION III: PHYSICAL DATA

Boiling Point:	Na
pH value:	> 10.5 in water
Appearance and Odor:	Fine gray powder no distinct odor
Density:	Bulk density from 0.5-0.8 kg. Per liter Particle density 2.67
Solubility in Water:	Dissolution is accompanied by the immediate precipitation of the formed hydrates

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	None
Extinguishing Media:	Not Combustible
Special Fire Fighting Procedures:	Product will not burn MO Classification

SECTION V: HEALTH HAZARD DATA EFFECTS OF OVEREXPOSURE

Medical Information:	Particles, if inhaled, can irritate the upper respiratory track. Avoid contact with eyes. Irritation and even injury can occur. When mixed with water the mortar is highly alkaline. It can dry the skin and mucous membranes when exposed for prolonged periods of time.
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Emergency & First Aid Procedures:	
Carcinogenicity of Ingredients:	
Target Organ:	
Medical Condition Which May Be Aggravated:	<p>Pre-existing upper respiratory and lung disease such as, but not limited to, bronchitis, emphysema and asthma.</p> <p>Eyes: Reduced visibility may cause unpleasant deposits in eyes.</p> <p>Skin: Contact causes irritation and may cause alkaline burns to the skin.</p> <p>Inhalation: Irritating to respiratory tract and can be damaging to the mucus membrane of the upper respiratory tract.</p> <p>Ingestion: May be corrosive to the digestive tract.</p>
Primary Route of Entry:	

SECTION VI: REACTIVITY DATA

Stability:	
Conditions to Avoid:	
Incompatibility:	
Hazardous Decomposition Products:	
Hazardous Polymerization:	

SECTION VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material Is Released or Spilled:	<p>Eyes: If the eyes have been in contact with the powder or products that contain it, flush with an abundance of fresh water. If irritation persists seek medical attention.</p> <p>Skin: At all times rinse skin after contact with clean water. Use protective creams against allergic symptoms.</p> <p>Inhalation: Remove to fresh air, and consult physician.</p> <p>Ingestion: Dilute by giving 2 glasses of milk or water to drink, followed by fruit juices or diluted vinegar to neutralize the alkali, consult physician.</p>
Waste Disposal Method	

SECTION VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection:	
Protective Equipment:	

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SECTION IX: STORAGE AND HANDLING

<p>Precautions to be Taken In Handling and Storage:</p>	<p>Precautions: Do Not inhale or ingest. Protect eyes and skin.</p> <p>Storage: In bags, buckets, or silos. Do not expose to open air or rain.</p> <p>Personal Protective Measures: Wear protective clothing to avoid prolonged skin contact with the mortar. Wear safety glasses and a dust mask to avoid the dust in poorly ventilated areas.</p>
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