

**Section 1: Product & Company Information**

**Product Identifier:** Lime, Quicklime, (Hycal QL)

**Other Means of Identification**

Product Number: 131255-160-0050

**Recommended Use and Restrictions on Use**

Recommended Use: Neutralization, stabilization, polishing, masonry mortar, plaster, stucco, fresco paints, white wash  
Restrictions on Use : No data available.

**Manufacturer / Importer / Supplier / Distributor Information**

**Company Name:** CORECHEM Inc.

**Address:** 4320 Greenway Drive  
Knoxville, TN 37918  
USA

**Information Telephone Number:** 1-865-524-4239

**Fax Number:** 1-865-524-3375

**Website:** www.corecheminc.com

**Contact Person:** Regulatory Manager

**E-mail:** regulatory@corecheminc.com

**Emergency Phone Number:** Chemtrec® 1-800-424-9300 / Outside USA 1-703-527-3887 (monitored 24 hours/day)

**Section 2: Hazards Identification**

**GHS Hazard Classification(s)**

In accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2012).

**Physical Hazard(s)**

Not classified.

**Health Hazard(s)**

Corrosion/Irritation, Skin - 2  
(Corrosion)Damage/Irritation, Eye - 1  
Carcinogenicity - 1  
Specific Target Organ Toxicity (STOT)-Respiratory Irritation, Single exposure - 3

**Environmental Hazard(s)**

Not classified.

**Label Elements**

**Signal Word**

**DANGER**

**Hazard Symbol(s)**



**Hazard Statement(s)**

H315: Causes skin Irritation.  
H318: Causes serious eye damage.  
H335: May cause respiratory Irritation.  
H350: May cause cancer.

**Precautionary Statements**

**General**

Not applicable.

**Prevention**

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264: Wash face, hands and any exposed skin thoroughly after handling.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P281: Use personal protective equipment as required.

**Response**

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P308 + P313: IF exposed or concerned: Get medical advice/attention.  
 P310: Immediately call a POISON CENTER or doctor/physician.  
 P312: Call a POISON CENTER or doctor/physician if you feel unwell.  
 P321: Specific treatment (see supplemental first aid instructions on this label).  
 P332 + P313: If skin irritation occurs: Get medical advice/attention.  
 P362: Take off contaminated clothing and wash before reuse.

#### Storage

P403 + P233: Store in a well-ventilated place. Keep container tightly closed.  
 P405: Store locked up.

#### Disposal

P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

#### Hazard(s) not otherwise classified (HNOC)

None known.

## Section 3: Composition/Information on Ingredients

#### Substance

Chemical Identity <sup>2</sup>	Common Name/Synonym(s)	CAS # <sup>3</sup>	Weight %	Impurity or Stabilizing Additive
Calcium Hydroxide	N/A	1305-62-0	58	No
Magnesium Hydroxide	N/A	1309-42-8	40	No
Magnesium Oxide	N/A	1309-48-4	< 2	No
Silica-Crystalline Quartz	N/A	14808-60-7	< 1	No

- Information regarding the composition and the percent ranges of the mixtures ingredients are not presented as it Confidential Business Information (CBI). Where a medical emergency exists (as determined by medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substances and the concentration in the mixture (product) and can only be requested by a doctor/physician or Local/State/Provincial or Federal Authority.
- Non-hazardous ingredients are not presented as to protect the proprietary formula of the product.
- "—"Indicates ingredient is a mixture and contains multiple ingredients or may have no identifying CAS number.

## Section 4: First-Aid Measures

#### General Information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

#### Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### Skin Contact

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean contaminated shoes.

#### Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

#### Ingestion

Call a physician or poison control center immediately. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

#### Most important symptoms/effects, acute and delayed

##### Symptoms

Irritation of skin, eyes, gastrointestinal tract or respiratory tract.

#### Indication of immediate medical attention and special treatment needed

##### Hazards

No data available.

##### Treatment

Treat symptomatically. Symptoms may be delayed.

## Section 5: Fire-Fighting Measures

#### General Fire Hazards

No data available.

#### Suitable (and Unsuitable) Extinguishing Media

##### Suitable Extinguishing Media

Extinguishing powder, alcohol resistant foam, carbon dioxide, water fog

##### Unsuitable Extinguishing Media

No data available.

**Specific Hazards Arising from the Chemical**

Inhalation, skin or eye contact, can result in serious injury. This product is not combustible or flammable. This product is not considered to be an explosion hazard, although reaction with water or other incompatible materials may rupture containers. When this product is wet, it can be very slippery and can result in a slip hazard.

**Special Protective Equipment and Precautions for Firefighters**

**Special Fire-Fighting Equipment Procedures**

No data available.

**Special Protective Equipment for Fire-Fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand (OSHA/NIOSH approved or equivalent) and full protective gear.

**Section 6: Accidental Release Measures**

**Personal Precautions, Protective Equipment and Emergency Procedures**

Evacuate spill area. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Stay upwind and keep out of low area. Remove all possible sources of ignition in the surrounding area. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. See Section 8 of the SDS for Personal Protective Equipment. Ventilate contaminated area thoroughly shut off leaks if possible without personal risk.

**Methods and Materials for Containment and Clean-Up**

Utilize cleanup methods that minimize generating dust: vacuum. Avoid dry sweeping. Residue on surfaces may be removed with copious amount of water or vinegar.

**Notification Procedures**

In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

**Environmental Precautions**

No data available.

**Section 7: Handling and Storage**

**Precautions for Safe Handling**

Use caution when handling/transferring. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe mist or vapor. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible. Observe good industrial hygiene practices.

**Conditions for Safe Storage, including any Incompatibilities**

Keep container tightly closed. Store in a cool, dry, well-ventilated place. Store away from incompatible materials (See Section 10). Ensure that all local regulations regarding handling and storage facilities are followed.

**Section 8: Exposure Controls/Personal Protection**

**Control Parameters**

**Occupational Exposure Limits**

Chemical Identity	Type	Value	Source
Calcium Hydroxide	PEL	15 mg/m <sup>3</sup> (total)	US OSHA Table Z-1
Calcium Hydroxide	PEL	5 mg/m <sup>3</sup> (respirable)	US OSHA Table Z-1
Calcium Hydroxide	TWA	5 mg/m <sup>3</sup>	US. ACGIH Threshold Limit Values
Magnesium Hydroxide	PEL	15 mg/m <sup>3</sup> (total)	US OSHA Table Z-1
Magnesium Hydroxide	PEL	5 mg/m <sup>3</sup> (respirable)	US OSHA Table Z-1
Magnesium Oxide	PEL	10 mg/m <sup>3</sup> (fume)	US OSHA Table Z-1
Magnesium Oxide	TWA	10 mg/m <sup>3</sup> (fume)	US. ACGIH Threshold Limit Values
Silica - Crystalline Quartz	PEL	10 mg/m <sup>3</sup> (% SiO <sub>2</sub> +2) (respirable)	US OSHA Table Z-3
Silica - Crystalline Quartz	PEL	30 mg/m <sup>3</sup> (% SiO <sub>2</sub> +2) (total)	US OSHA Table Z-3
Silica - Crystalline Quartz	TWA	0.025 mg/m <sup>3</sup> (respirable)	US. ACGIH Threshold Limit Values

**Biological Limit Values**

The product does not contain any relevant quantities of hazardous materials with assigned biological limit values.

**Appropriate Engineering Controls**

No data available.

**Individual protection measures, such as personal protective equipment (PPE)**

**General Information**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

**Eye/Face Protection**

Wear safety glasses with side shields (or goggles) and a face shield. Wear a full-face respirator, if needed.

**Skin Protection**

**Hand Protection**

Wear appropriate chemical resistant gloves.

**Other**

Wear appropriate chemical resistant clothing.

**Respiratory Protection**

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Air-purifying respirator with an appropriate, government approved (where applicable), air-purifying filter, cartridge or canister. Contact health and safety professional or manufacturer for specific information

**Hygiene Measures**

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated footwear that cannot be cleaned. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing.

## Section 9: Physical and Chemical Properties

**Appearance:**

Physical State: Powder  
Color: White

**Odor:**

Odorless

**Odor Threshold:**

No data available.

**pH:**

12.45

**Melting Point/Freezing Point:**

1076 °F (580 °C)

**Initial Boiling Point and Boiling Range:**

5162 °F (2850 °C)

**Flash Point:**

Not applicable.

**Evaporation Rate** (butyl acetate=1);

No data available.

**Flammability (solid, gas):**

No data available.

**Upper/Lower Limit on Flammability or Explosive Limits**

Flammability Limit – Upper: Not applicable.

Flammability Limit – Lower: Not applicable.

Explosive Limit – Upper: Not applicable.

Explosive Limit – Lower: Not applicable.

**Vapor Pressure:**

Non Volatile

**Vapor Density** (air =1);

Non Volatile

**Relative Density** (water=1):

2.3-2.6

**Solubility(ies):**

Solubility in water: Slightly soluble in water: 0.2% @ 0 °C.

Solubility (other): Soluble in acids, glycerin, and sugar solutions

**Partition coefficient (n-octanol/water):**

No data available.

**Auto-Ignition Temperature:**

No data available.

**Decomposition Temperature:**

No data available.

**Viscosity:**

No data available.

**Other Information:**

Molecular Weight: No data available.

Formula: No data available.

## Section 10: Stability and Reactivity

**Reactivity**

Reacts with acids to form calcium salts, releasing heat. Reacts with carbon dioxide in air to form calcium carbonate.

**Chemical Stability**

Material is stable under normal conditions.

**Possibility of Hazardous Reactions**

Reacts with acids to form calcium salts, releasing heat. Reacts with carbon dioxide in air to form calcium carbonate.

**Conditions to Avoid**

Vicinity of incompatible materials.

**Incompatible Materials**

This product should not be mixed or stored with the following materials, due to the potential for violent reaction and release of heat:

Acids, reactive fluoridated compounds, reactive brominated compounds, reactive powdered metals, reactive phosphorous compounds, aluminum powder, organic acid anhydrides, nitro-organic compounds, interhalogenated compounds

**Hazardous Decomposition Products**

None

## Section 11: Toxicological Information

**Information on routes of exposure**

**Ingestion:** This product can cause severe irritation or burning of gastrointestinal tract if swallowed.

**Inhalation:** This product can cause severe irritation of the respiratory system.

**Skin Contact:** Contact can cause severe irritation or burning of skin, especially in the presence of moisture.

**Eye Contact:** Contact can cause severe irritation or burning of eyes, including permanent damage.

**Information on Toxicological Effects**

**Acute Toxicity (List all possible routes of exposure)**

**Oral**

No data available.

**Dermal**

No data available.

**Inhalation**

No data available.

**Repeated Dose Toxicity**

No data available.

**Skin Corrosion/Irritation**

No data available.

**Serious Eye Damage/Eye Irritation**

No data available.

**Respiratory/Skin Sensitization**

This material is not known to cause sensitization

**Carcinogenicity**

**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**US. National Toxicology Program (NTP) Report on Carcinogens**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Germ Cell Mutagenicity**

**In Vitro**

No data available.

**In Vivo**

No data available.

**Reproductive Toxicity**

No data available.

**Specific Target Organ Toxicity – Single Exposure**

No data available.

**Specific Target Organ Toxicity – Repeated Exposure**

No data available.

**Aspiration Hazard**

No data available.

**Other Effects**

None known.

**Section 12: Ecological Information**

**Ecotoxicity**

**Acute Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Chronic Hazards to the Aquatic Environment**

**Fish**

No data available.

**Aquatic Invertebrates**

No data available.

**Toxicity to Aquatic Plants**

No data available.

**Persistence and Degradability**

**Biodegradation**

There are no data on the degradability of this product.

**BOD/COD Ratio**  
No data available.

**Bioaccumulative Potential**  
**Bioconcentration Factor (BCF)**  
This material shows no bioaccumulation effect or food chain concentration toxicity.  
**Partition Coefficient n-octanol / water (log Kow)**  
No data available.

**Mobility in Soil**  
No data available.

**Other Adverse Effects**  
No data available.

## Section 13: Disposal Considerations

**Disposal Instructions**  
Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated Packaging**  
Handle contaminated packages in the same way as the substance itself. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks, and flames. Do not cut, puncture, or weld on or near this container. Follow label warnings until container is thoroughly cleaned or destroyed.

## Section 14: Transportation Information

**US Department of Transportation (DOT)**  
This material is not regulated as a hazardous material for transport by the U.S. Department of Transportation in accordance with 49 CFR 172.101.

## Section 15: Regulatory Information

### US Federal Regulations

**Toxic Substance Control Act (TSCA), Chemical Substance Inventory, Section 8(b)**  
This product or ingredient(s) are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

**Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substance List (40 CFR 302.4)**  
No chemical(s) in this material are subject to the reporting requirements of CERCLA.

**Clean Air Act (CAA), Section 112(r)**  
No chemical(s) in this material are subject to the reporting requirements of CAA.

**Emergency Planning and Community Right-To-Know Act (EPCRA)**  
**EPCRA 302 Extremely Hazardous Substance**  
No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 302.

**EPCRA 304 Emergency Response Notification**  
No chemical(s) in this material are subject to the reporting requirements of SARA Title III, Section 304.

**EPCRA 311/312 Emergency and Hazardous Materials Reporting**  
Fire Hazard: No  
Sudden Release of Pressure: No  
Reactive: No  
Acute (Immediate) Health Hazard: No  
Chronic (Delayed) Health Hazard: No

**EPCRA 313 Toxic Chemical Release Inventory (TRI) Reporting**  
This material does not contain any chemical(s) with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### US State Regulations

**California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)**  
This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

*Important Note: Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.*

## Section 16: Other Information

### Hazardous Materials Identification System (HMIS®) Classification

Health Hazard: 3  
Chronic Health Hazard: /  
Flammability: 0  
Physical Hazard: 0

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

**National Fire Protection Association (NFPA 704) Rating**

Health Hazard: 3

Fire Hazard: 0

Reactivity Hazard: 0

Special: N/A

(Hazard Rating: 0 – Minimal / 1 – Slight / 2 – Moderate / 3 – Serious / 4 – Severe)

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**Key to Abbreviations and Acronyms**

ATE - Acute Toxicity Estimate

BCF - Bioconcentration Factor

EC50 - Effective concentration, 50%

IDHL - Immediately Dangerous to Life and Health

Kg - Kilogram

l - Liter

lb - Pound

LC50 - Lethal Concentration, 50%

LD50 - Lethal Dose, 50%

mg - milligram

ml - milliliter

N/A - Not Applicable

N/D - Not Determined

PEL - Permissible Exposure Limit

REL - Recommended Exposure Limit

STEL - Short-term Exposure Limit

TWA - Time weighted average

ACGIH - American Conference of Industrial Hygienists

AIHA - American Industrial Hygiene Association

BEI - Biological Exposure Indices

CAS - Chemical Abstracts Service

DOT - US Department of Transportation

EPA - US Environmental Protection Agency

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

IBC - Intermediate Bulk Container

IMDG - International Maritime Dangerous Goods

NIOSH - National Institute for Occupational Safety and Health

NTP - National Toxicology Program

OSHA - US Occupational Health and Safety Administration

SARA - US EPA Superfund Amendments and Reauthorization Act

TSCA - US EPA Toxic Substances Control Act

UN - United Nations

**References**

HSDB® - Hazardous Substances Data Bank

**Disclaimer**

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