

# SAFETY DATA SHEET

# CHEMICAL DISTRIBUTION SOLUTIONS

## SECTION 1 - COMPANY AND PRODUCT IDENTIFICATION

### PRODUCT

**Product Name:** LIME, HYDRATED  
**Control Number:** 00196  
**Product Description:** Calcium Hydroxide

### COMPANY IDENTIFICATION

**Supplier:** Chemical Distribution Solutions  
1125 Oak St. Ste. 303  
Conway, AR 72032

**24 Hour Emergency Telephone:** (800)-424-9300 CHEMTREC  
**General Information:** (501) 978-1111

## SECTION 2- HAZARDS IDENTIFICATION

### GHS Classification:

#### [ Health ]

Serious eye damage Category 1  
Skin irritation Category 2

#### [ Environmental ]

Acute Aquatic Toxicity Category 3

#### [ Physical ]

### GHS Label elements, including precautionary statements

### Pictograms



**Signal Word:** Danger

### Hazard statement(s)

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H402 Harmful to aquatic life.

### Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove victim 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.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	%WT
Calcium Dihydroxide	1305-62-0	100

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### SECTION 4 · FIRST AID MEASURES

#### FIRST AID PROCEDURES:

**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention and continue flushing until medical personnel arrive.

**Skin Contact:** Remove contaminated clothing. Wash with soap and water. Seek medical attention.

**Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious person. Get immediate medical attention.

### SECTION 5 · FIRE FIGHTING MEASURES

**Suitable Extinguishing media:** Use extinguishing media most appropriate for the surrounding fire.

**Hazardous combustion products:** Oxides of calcium

**Fire Fighting Procedures:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Unusual Fire and Explosion Hazards:** No further information or published data available.

### SECTION 6 · ACCIDENTAL RELEASE and DISPOSAL MEASURES

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

### SECTION 7 · STORAGE AND HANDLING

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage:** Keep container tightly closed in a dry and well-ventilated place. Air and moisture sensitive. Keep in a dry place.

### SECTION 8 · EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Engineering Controls:** Use explosion-proof ventilation equipment. Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated below. The level of protection and types of controls will vary depending upon potential exposure conditions.

**Exposure Limits:** Calcium Hydroxide 5 mg/m<sup>3</sup> ACGIH 5 mg/m<sup>3</sup> OSHA

#### Personal Protective Equipment (PPE):

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.

**Skin:** If prolonged or repeated skin contact is likely, wear appropriate protective gloves.

**Clothing:** Selection of protective clothing depends on work conditions, potential exposure conditions and may include gloves, boots, suits and other protective items.

**Respirators:** Where adequate ventilation is not available an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of OSHA Respiratory Protection Standard, 29 CFR 1920.134. In confined areas, use a self-contained breathing apparatus.

**Other Equipment:** Eye wash station and shower in close proximity to use are advised.

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### SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

**Flash Point:** Non-combustible  
**Autoignition Temperature:** No available data  
**Boiling Point:** No available data  
**Melting Point/Freezing Point:** 842 °F  
**Vapor Pressure:** No available data  
**Vapor Density (Air-1):** No available data  
**Odor/Appearance:** Beige powder with no appreciable odor.

**Flammability Limits:** Not applicable  
**Relative Density:** 2.24  
**Volatile %:** Nil  
**Evaporation Rate (Water=1):** No available data  
**pH:** 14 (1% Sol'n)  
**Solubility in Water:** 0.99 g/l

### SECTION 10 - STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal use and temperature conditions.  
**Conditions to Avoid:** Keep away from moisture and water sources.  
**Materials to Avoid:** Strong acids.  
**Hazardous Polymerization:** Will not occur.

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Signs and Symptoms of Overexposure:**

**Eye:** Causes eye burns. May result in corneal injury. May cause permanent visual impairment.

**Skin:** May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May be harmful if absorbed through the skin.

**Ingestion:** May cause irritation of the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock. May be harmful if swallowed.

**Inhalation:** Causes respiratory tract irritation. May cause chemical bronchitis with coughing and difficulty in breathing.

**Acute oral toxicity:**

LD50 rat: 7,340 mg/kg

**Acute inhalation toxicity:**

LC50 rat: No available data

**Acute dermal toxicity:**

LD50 rabbit: No available data

### SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Toxicity to fish LC50 - *Clarias gariepinus* - 33.884 mg/l - 96 h

**Bio-accumulative potential:** Does not bioaccumulate.

**Persistence and degradability:** The methods for determining biodegradability are not applicable to inorganic substances.

**Mobility:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### SECTION 13 - DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

**SECTION 14 · TRANSPORTATION**

**U.S. DEPARTMENT OF TRANSPORTATION (Road or Rail):**

**Proper Shipping Name:** Not a DOT Regulated Material

**Hazard Class:**

**UN Number:**

**Packaging Group:**

**SECTION 15 · REGULATORY INFORMATION****US FEDERAL REGULATIONS****Comprehensive Environmental Response and Liability Act (CERCLA)**

This material is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. The reportable quantity (RQ) for this material has not been established.

**Toxic Substance Control Act (TSCA):** All components of this product are listed on the TSCA inventory list.

**SARA Section 311/312 (40 CFR 370) Hazard Categories:**

Acute Health Hazard

**SARA Section 313 (40 CFR 372) Hazard Categories:**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** None of the chemicals in this product are listed as Hazardous Substances under the CWA

**Clean Air Act:** None of the chemicals in this product are listed as Hazardous Substances under the CCA.

**California Prop 65:** This product contains no chemicals known by the State of California to cause cancer, birth defects or other reproductive harm.

**SECTION 16 · OTHER INFORMATION**

**MSDS Revision Date:** December 2014

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health:** 2

**Flammability:** 0

**Reactivity:** 0

The data in this Safety Data Sheet relates to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control it should not be taken as warranty or representation for which Chemical Distribution Solutions assumes legal responsibility. This information is provided solely for your consideration, investigation, and verification.