



**QUALIKEMS FINE CHEM PVT. LTD.**  
**5531, BASTI HARPHOOL SINGH, SADAR THANA ROAD, DELHI-06.**  
Material Safety Data Sheet  
Lime Water

Section 1 - Chemical Product and Company Identification

**MSDS Name:** Lime Water  
**Synonyms:** None

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
7732-18-5	Water	>99	231-791-2
1305-62-0	Calcium hydroxide	0.16	215-137-3

Section 3 - Hazards Identification

**EMERGENCY OVERVIEW**

Appearance: colorless liquid.

**Caution!** May cause irritation. This is expected to be a low hazard for usual industrial handling.

**Target Organs:** None.

**Potential Health Effects**

**Eye:** May cause eye irritation.

**Skin:** May cause skin irritation.

**Ingestion:** May cause irritation of the digestive tract.

**Inhalation:** May cause respiratory tract irritation. Low hazard for usual industrial handling.

**Chronic:** Not available.

Section 4 - First Aid Measures

**Eyes:** Get medical aid. Gently lift eyelids and flush continuously with water.

**Skin:** Get medical aid if irritation develops or persists. Flush skin with plenty of soap and water.

**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Get medical aid.

**Inhalation:** Remove from exposure and move to fresh air immediately. Get medical aid if cough or other symptoms appear.

**Notes to Physician:** Treat symptomatically and supportively.

**Antidote:** None reported.

## Section 5 - Fire Fighting Measures

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

**Extinguishing Media:** Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.

**Flash Point:** Not applicable.

**Autoignition Temperature:** Not applicable.

**Explosion Limits, Lower:** Not available.

**Upper:** Not available.

**NFPA Rating:** Not published.

## Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## Section 7 - Handling and Storage

**Handling:** Use with adequate ventilation. Avoid contact with eyes. Keep container tightly closed.

**Storage:** Store in a cool, dry place.

## Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:** Good general ventilation should be sufficient to control airborne levels.

**Exposure Limits**

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Water	none listed	none listed	none listed
Calcium hydroxide	5 mg/m <sup>3</sup> TWA	5 mg/m <sup>3</sup> TWA	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)

### Personal Protective Equipment

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to minimize contact with skin.

## Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** colorless

**Odor:** none reported

**pH:** Not available.

**Vapor Pressure:** Not available.

**Vapor Density:** Not available.

**Evaporation Rate:** Not available.

**Viscosity:** Not available.

**Boiling Point:** 212 deg F

**Freezing/Melting Point:** 32 deg F

**Decomposition Temperature:** Not available.

**Solubility:** Completely soluble in water.

**Specific Gravity/Density:** 1.0

**Molecular Formula:** Solution

**Molecular Weight:** Not available.

## Section 10 - Stability and Reactivity

**Chemical Stability:** Stable.

**Conditions to Avoid:** None reported.

**Incompatibilities with Other Materials:** None reported.

**Hazardous Decomposition Products:** Calcium oxide.

**Hazardous Polymerization:** Has not been reported.

## Section 11 - Toxicological Information

**RTECS#:**

**CAS#** 7732-18-5: ZC0110000  
**CAS#** 1305-62-0: EW2800000

**LD50/LC50:**

**CAS#** 7732-18-5:  
Oral, rat: LD50 = >90 mL/kg;

**CAS#** 1305-62-0:  
Draize test, rabbit, eye: 10 mg Severe;  
Oral, mouse: LD50 = 7300 mg/kg;  
Oral, rat: LD50 = 7340 mg/kg;

**Carcinogenicity:**

**CAS#** 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
**CAS#** 1305-62-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

**Epidemiology:** No data available.

**Teratogenicity:** No data available.

**Reproductive Effects:** No data available.

**Mutagenicity:** No data available.

**Neurotoxicity:** No data available.

**Other Studies:**

Section 12 - Ecological Information

**Ecotoxicity:** No data available. No information available.

**Environmental:** No information reported.

**Physical:** No information available.

**Other:** None.

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.

**RCRA P-Series:** None listed.

**RCRA U-Series:** None listed.

Section 14 - Transport Information

	IATA	
Shipping	CORROSIVE SOLID, BASIC,	

<b>Name:</b>	INORGANIC, N.O.S.	
<b>Hazard Class:</b>	8	
<b>UN Number:</b>	UN3262	
<b>Packing Group:</b>	III	

#### Section 15 - Regulatory Information

**Hazard Symbols:**

Not available.

**Risk Phrases:**

**Safety Phrases:**

#### Section 16 - Additional Information

**MSDS Creation Date:** 12/12/1997

**Revision #3 Date:** 10/03/2005

**Revision #4 Date:** 09/03/2010

**Revision #5 Date:** 08/03/2015

**Revision #6 Date:** 07/03/2020

**Revision #7 Date:** 06/03/2025

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