



Safety Data Sheet

Review Date: 4-April-2025

Section 1 - Chemical Product and Company Identification

Product Name Lime Water Saturated Solution
Product Code B-01542
CAS No 1305-62-0
Use for Laboratory Chemicals.
Company Name Bio-Chem Chemicals
Address 5455, Nicholson Road Science Market , Ambala Cantt.133001 Haryana(India)

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
1305-62-0	Calcium hydroxide	96%	215-137-3

Section 3 - Hazards Identification

Risk advice to man and the environment

Non-Haz

Section 4 - First Aid Measures

Risk advice to man and the environment

Non-Haz

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. Substance is nonflammable.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

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

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions.

Section 7 - Handling and Storage

Handling: Avoid breathing dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing.

Storage: Store in a cool, dry place. Store in a tightly closed container. Do not expose to air.

Section 8 - Exposure Control / Personal Protection



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Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits CAS# 1305-62-0:
United Kingdom, WEL - TWA: 5 mg/m³ TWA
United Kingdom, WEL - STEL: 15 mg/m³ STEL
United States OSHA: 15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)
Belgium - TWA: 5 mg/m³ VLE
France - VME: 5 mg/m³ VME
Germany: 5 mg/m³ TWA (inhalable fraction)
Malaysia: 5 mg/m³ TWA
Netherlands: 5 mg/m³ MAC
Spain: 5 mg/m³ VLA-ED

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Powder

Molecular Formula: H₂CaO₂

Molecular Weight: 74.09

Section 10 - Stability and Reactivity

Chemical Stability: Absorbs carbon dioxide from the air.

Conditions to Avoid: High temperatures, incompatible materials, dust generation.

Incompatibilities with

Other Materials : Metals, metals, reducing agents, acids, bases, phosphorus, maleic anhydride, potassium nitrate, hydrogen sulfide.

Hazardous Decomposition

Products : Calcium oxide.

Hazardous Polymerization : Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 1305-62-0: EW2800000

LD50/LC50: RTECS: CAS# 1305-62-0:

Draize test, rabbit, eye: 10 mg Severe;

Oral, mouse: LD₅₀ = 7300 mg/kg;

Oral, rat: LD₅₀ = 7340 mg/kg;

Carcinogenicity: Calcium hydroxide - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

The toxicological properties have not been fully investigated.



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Section 12 - Ecological Information

No data available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Not Regulated for Transport (Non-Haz)		
Hazard Class:			
Packing Group:			

UN Number:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases: R 41 Risk of serious damage to eyes.

Safety Phrases: S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 39 Wear eye/face protection.

WGK (Water Danger/Protection) CAS# 1305-62-0: 1

Canada CAS# 1305-62-0 is listed on Canada's DSL List

US Federal

TSCA CAS# 1305-62-0 is listed on the TSCA Inventory.