



Section 1 - Chemical Product and Company Identification

Product Name Lime Water Saturated Solution
Product Code 75333
CAS No 1305-62-0
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, 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



Product Code 75333

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.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.