



## Section 1 - Chemical Product and Company Identification

**Product Name** Calcium Hydroxide extrapure AR, ACS, ExiPlus, Multi-Compendial, 96%  
**Product Code** 74471  
**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

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

**Ingestion:** Get medical aid. Wash mouth out with water.

**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

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

## 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.



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## Section 8 - Exposure Control / Personal Protection

**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/m<sup>3</sup> TWA  
United Kingdom, WEL - STEL: 15 mg/m<sup>3</sup> STEL  
United States OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)  
Belgium - TWA: 5 mg/m<sup>3</sup> VLE  
France - VME: 5 mg/m<sup>3</sup> VME  
Germany: 5 mg/m<sup>3</sup> TWA (inhalable fraction)  
Malaysia: 5 mg/m<sup>3</sup> TWA  
Netherlands: 5 mg/m<sup>3</sup> MAC  
Spain: 5 mg/m<sup>3</sup> 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:** H<sub>2</sub>CaO<sub>2</sub>

**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



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**Product Code** 74471

**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.

## 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

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

Hazard Class:

UN Number:

Packing Group:

## 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.