

MATERIAL SAFETY - Calcium Hydroxide 99%

1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY INFORMATION

Product Name: Calcium Hydroxide 99%

Supplier: Chanjao Longevity Co., Ltd. 50 Ramindra 14, Bangkhen, Bangkok 10230 Thailand

Emergency Phone No.: +662-002-7-002

Fax No.: +662-001-7-022

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Composition (%)
Calcium Hydroxide	1305-62-0	100

Hazard Symbols: Not listed
Risk Phrases: Not listed

3. HAZARD IDENTIFICATION

Potential Health Effects

Eye: Irritation can develop.
Skin: Irritation can develop.
Ingestion: Over-exposure can be hazardous.
Inhalation: Over-exposure can be hazardous.

4. FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Skin Contact: Flush skin with plenty of soap and water – get medical attention if irritation occurs.

Inhalation: Remove to fresh air

Ingestion: Seek immediate medical attention if swallowed.

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5. FIRE FIGHTING MEASURES

General Information:

Non-flammable. Alkaline hydroxides boiled with phosphorus yields mixed phosphines which may ignite spontaneously in air.

Extinguishing Media:

Dry Chemical, Sand, Carbon Dioxide, Foam.

6. ACCIDENTAL RELEASE MEASURES

General Information:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks:

Absorb into absorbent material. Wash area with soap and water.

7. HANDLING AND STORAGE

Handling:

Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as acids.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protection:

Eyes: Safety glasses.

Skin: Lab gloves.

Clothing: Lab clothes is required.

Respirators: Certified/Approved respirator is required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid powder
Color:	White
Odor:	Odorless
pH (1% soln/water):	14 (Basic)
Melting Point:	580C
Specific Gravity:	2.24 (water=1)
Solubility:	

Very slightly soluble in cold water, hot water. Insoluble in alcohol. Soluble in ammonium salts, glycerol, sugar or ammonium chloride solution, soluble in acids with evolution of much heat. Solubility in water: 0.185 g/100 ml @ 0 deg. C; 0.077 g/100 ml @ 100 deg. C; 1.73 g/1000 ml @ 20 C

10. STABILITY AND REACTIVITY

Stability:

Keep away from oxidizing agents, moisture and excessive heat.

11. TOXICOLOGICAL INFORMATION

LD50/LC50: Acute oral toxicity (LD50): 7300 mg/kg [Mouse].

Carcinogenicity: Not available.

12. ECOLOGICAL INFORMATION

Not available.

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13. DISPOSAL CONSIDERATION

Waste from Residue/Unused Products:

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

This compound is NOT on the EPA Toxic Substances Control Act (TSCA) inventory list.

14. TRANSPORT REGULATIONS

IATA No information available.

IMO No information available.

RID/ADR No information available.

15. REGULATORY INFORMATION

Hazard Symbol(s):

R34- Causes burns. R41- Risk of serious damage to eyes. S24/25- Avoid contact with skin and eyes. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28- After contact with skin, wash immediately with plenty of water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately.

16. OTHER INFORMATION

The information provided in this material safety data sheet is correct to the best of our knowledge. No warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Chanjao Longevity assumed no responsibility for any personal injury or property damage caused by the materials. Users assume all risks associated with the use of the materials.
