

Calcium Hydroxide

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Calcium Hydroxide
CAS Number: 1305-62-0
EC Number: 215-137-3

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: Laboratory chemicals, manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company name: East Harbour Group Ltd
20 Clough Road, Severalls Industrial Park
Colchester, Essex, CO4 9QS
United Kingdom

Telephone: +44 (0) 333 242 0100
Email: info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone: 0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

Xi;R36/38

2.2 Label elements

Irritating to eyes and skin

Section 3: Composition/information on ingredients

3.2 Mixtures

CAS #	Content (W/W)	Ingredients
1305-62-0	60-100%	Calcium Hydroxide

Chemical name: Calcium Hydroxide (Lime)

Common name / synonyms: No information available

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Section 4: First aid measures

4.1 Description of first aid measures

In case of skin contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

In case of eye contact: Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

If swallowed: Do not induce vomiting. Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Provide rest, warmth and fresh air. Get medical attention immediately.

If inhaled: Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention.

Section 5: Fire-fighting measures

5.1 Fire Fighting Media and Instructions:

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture

High concentrations of dust may form explosive mixture with air.

5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Keep run-off water out of sewers and water sources. Dike for water control.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2 Environmental precautions

Do not allow to enter drains, sewers or watercourses.

6.3 Methods and material for containment and cleaning up

Avoid generation and spreading of dust. Ventilate well. Collect in containers and seal securely. Remove containers and flush area with water.

Section 7: Handling and storage

7.1 Precautions for safe handling

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Do not use contact lenses.

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7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a cool, dry well-ventilated place. Keep in original container.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Name	Std	LT-ppm	LT-mg/m ³	ST-ppm	ST-mg/m ³
Calcium Hydroxide	WEL		5 mg/m ³		

8.2 Personal protective equipment

Respiratory Equipment: If ventilation is insufficient, suitable respiratory protection must be provided. Dust mask/respirator. Dust filter P2 (for fine dust)

Hand Protection: Use protective gloves made of impermeable material, rubber, neoprene or PVC.

Eye Protection: Contact lenses should not be worn when working with this chemical. Wear dust resistant safety goggles where there is danger of eye contact.

Other protection: Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station and safety shower.

Hygiene Measures: Wash contaminated clothing before reuse.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White/off white
Physical State	Powder, dust
Odor	Odourless
Odor Threshold	No information available
pH	12.4
Melting Point/Range	580
Boiling Point/Range	No information available
Flash Point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Explosion Limits	No information available
Vapor Pressure	No information available
Vapor Density	No information available
Specific Gravity / Density	2.34 @ 20 C
Bulk Density	2.24 g/cm ³
Water Solubility	Slightly soluble in water
Solubility in other solvents	No information available
Partition Coefficient	No information available
Auto-ignition temperature	No information available
Decomposition temperature	No information available

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Section 10: Stability and Reactivity

10.1 Reactivity	No information available
10.2 Chemical Stability	Stable under normal temperature conditions
10.3 Possibility of hazardous reactions	No information available
10.4 Conditions to avoid	Avoid contact with water or moisture and create of dust clouds
10.5 Incompatible materials	Acids – oxidising. Acids – non-oxidising. Acids – organic. Organic nitro compounds

Section 11: Toxicological Information

Product Information

11.1 Toxicological effects:

Toxic dose 1 – LD50 7340 mg/kg (oral rat)

11.2 Acute Toxicity:

Inhalation: May cause irritation to the respiratory system. Symptoms may include sore throat, coughing, shortness of breath and difficulty breathing.

Ingestion: May cause burns in mucous membranes, throat, oesophagus and stomach.

Skin contact: Irritating to skin. Prolonged or repeated exposure may cause sever irritation.

Eye contact: Irritating to eyes. Repeated exposure may cause chronic eye irritation. Extreme irritation of eyes and mucous membranes, including burning and tearing

11.5 Whether the hazardous chemical is listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Section 12: Ecological Information

No information available

Section 13: Disposal considerations

13.1 Waste treatment methods

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

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Section 14: Transport Information

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

Section 15: Regulatory Information

Labelling: Irritant



Risk phrases

R36/38: Irritating to eyes and skin

Safety phrases

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.

S37: Wear suitable gloves

UK Regulatory References

Chemicals (Hazard Information and Packaging) Regulations. The Control of Substances Hazardous to Health Regulations

EU Directives

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC

Guidance Notes

Workplace Exposure Limits EH40.