

SAFETY DATA SHEET

Calcium Oxide, powder, LAB

1. Identification of the substance/preparation and of the company or firm

- 1.1 Identification of the substance or preparation:
Catalogue no. : KA1350
Product name : Calcium Oxide, powder
- 1.2 Use of the substance/preparation: For laboratory utilisation, analysis, research and fine chemistry.
- 1.3 Identification of the company or firm: Elago Enterprises Pty Ltd, 5 The Cloisters, Cherrybrook, N.S.W. 2126, Australia
Tel no. (61) 2 98998169
Fax no. (61) 2 98997976
- 1.4 Emergency telephone: (61) 2 98998169 (9:00am - 5:00 pm) [Office hours]
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2. Identification of dangers

- Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Health hazards : Skin corrosion - Category 1B - Danger (CLP : Skin Corr. 1B) H314
Classification EC 67/548 or EC 1999/45
Symbol(s) C : Corrosive.
R Phrase(s) R34 : Causes burns.
R41 : Risk of serious damage to eyes.
S Phrase(s) S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 : Wear suitable protective clothing.
S37 : Wear suitable gloves.
S39 : Wear eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).

Signal words : Danger

Hazard pictograms



- Hazard statements : H315: Causes skin irritation.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
- Precautionary statements:
Prevention: P261: Avoid breathing dust, fume, gas, mist, vapours, spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
- Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P321: Specific treatment (show this label).
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P391: Collect spillage.
- Storage : P403+P233: Store in well-ventilated place. Keep container tightly closed.
- Disposal considerations: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
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3. Composition/information on ingredients

- Substance / Preparation: Calcium Oxide ≤ 90%
Formular: CaO
CAS No : 1305-78-8
EC No : 215-138-9
Molecular weight : 56.07

Contains no other components or impurities which will influence the classification of the product.

4. First-aid measures

- 4.1 General indications: Never provide drink or induce vomiting in the event of loss of consciousness.
- 4.2 Inhaling: Take the person out into the fresh air. In the event sickness persists, seek medical assistance.
- 4.3 Contact with the skin: Wash with plenty of water. Remove contaminated clothing.

- 4.4 Eyes: Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Seek medical assistance.
4.5 Ingestion: Drink large amounts of water. Induce vomiting. Seek medical assistance.
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5. Fire-fighting measures

- 5.1 Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
5.2 Special hazards arising from the substance : Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health.
5.3 Advice for firefighters : Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. Prevent the products used to fight the fire from going into drains, sewers, or waterways.
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6. Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures : For exposure control and individual protection measures, see section 8.
6.2 Environmental precautions : Prevent the contamination of drains, surface or subterranean waters, and the ground.
6.3 Methods and material for containment and cleaning up : The contaminated area should be immediately cleaned with an appropriate de-contaminator. Pour the decontaminator on the remains in an opened container and let it act various days until no further reaction is produced.
6.4 Reference to other sections : For exposure control and individual protection measures, see section 8. For later elimination of waste, follow the recommendations under section 13.
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7. Handling and storage

- 7.1 Handling: Ensure good ventilation and renewal of the air in the premises. Avoid breathing dust, fume, gas, mist, vapours, spray. Do not eat, drink or smoke when using this product.
7.2 Storage: Well sealed containers. Dry atmosphere. Room temperature. Do not store in light-metal containers. In well ventilated premises.
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8. Exposure controls/personal protection

- 8.1 Exposure limit control: No special indications. Ensure good ventilation and renewal of the air in the premises.
8.2 Exposure limit control: TLV-TWA: 2 mg/m³
VLA-ED: 2 mg/m³
8.2 Respiratory protection: In the event of fumes forming/aerosols, use suitable respiratory protection.
8.3 Hand protection: Use suitable gloves.
8.4 Eye protection: Use safety glasses.
8.5 Individual hygiene measures: Remove contaminated clothing. Wash hands before breaks and when the job is done.
8.7 Environmental exposure controls: Fulfill the commitments under local environmental protection legislation.
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9. Physical and chemical properties

Appearance:	Solid.
Colour:	White powder.
Odour:	Odorless.
pH value:	12,6 (sat., 20°C)
Melting Point:	2580 °C
Boiling Point:	No data available.
Flash point:	No data available.
Flammability (solid, gas) :	No data available.
Evaporation rate :	No data available.
Vapour pressure:	No data available.
Vapour density :	No data available.
Solubility:	1.65 g/l (20°C)
Density:	3.37 g/cm ³
Relative density, liquid (water=1) :	No data available.
Partition coefficient:	n-octanol/water: No data available.
Viscosity:	No data available.

10. Stability and reactivity

- 10.1 Reactivity : The product does not present hazards by their reactivity.
10.2 Chemical stability: The product is chemically stable under standard ambient conditions (room temperature).
10.3 Possibility of hazardous reactions : Neutralization can occur on contact with acids.
10.4 Conditions to avoid : Avoid contact with acids.
10.5 Incompatible materials : Avoid acids.
10.6 Hazardous decomposition products : Depending on conditions of use, can be generated corrosive vapors or gases.

11. Toxicological information

11.1	Acute toxicity:	Data not available.
11.2	Dangerous effects for health:	
	Corrosion :	Causes severe skin burns and eye damage.
	Irritation :	Based on available data, the classification criteria are not met.
	Sensitization :	Based on available data, the classification criteria are not met.
	Mutagenicity :	Based on available data, the classification criteria are not met.
	Carcinogenicity :	Based on available data, the classification criteria are not met.
	Toxic for reproduction :	Based on available data, the classification criteria are not met.
	STOT-single exposure :	Based on available data, the classification criteria are not met.
	STOT-repeated exposure :	Based on available data, the classification criteria are not met.
	Aspiration hazard :	Based on available data, the classification criteria are not met.

12. Ecological information

12.1	Toxicity:	Not established.
12.2	Persistence and Degradability:	May cause long-term adverse effects in the environment.
12.3	Bioaccumulative potential:	Not established.
12.4	Mobility in soil:	Not established.
12.5	Assessment PBT and MPMB:	The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
12.6	Other possible effects on the environment:	Avoid release to the environment.

13. Disposal considerations

Disposal considerations: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

14.1	Overland (ADR):	Not regulated.
14.2	By sea (IMDG):	Not regulated.
14.3	By air (ICAI-IATA):	Not regulated.

15. Regulatory information

5.1	Regulatory Information:	Ensure all national/local regulations are observed.
5.2	Poisons Schedule:	Not Scheduled.
5.3	Hazard Category:	Toxic, Dangerous for environment.

16. Other Information

Abbreviations and acronyms :	PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used:	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
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Further information :	None.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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