

## SAFETY DATA SHEET

### CALCIUM CHLORIDE ANHYDROUS, granulated LAB

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

##### 1.1 Identification of the substance or preparation:

Catalogue no. : KA960

Product name : Calcium chloride anhydrous, granulated LAB

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

##### 2.1 Classification of the substance.

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Eye irritation, Category 2A: Causes serious eye irritation.

##### 2.2 Label elements.

Hazard pictograms



Signal words : Warning.

Hazard statements (H) :

H319 : Causes serious eye irritation.

Precautionary statements (P) :

P264 : Wash thoroughly after handling.

P280 : Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 : If eye irritation persists: Get medical advice/attention.

##### 2.3 Other hazards.

None known.

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#### 3. Composition/information on ingredients

##### 3.1 Substance / Preparation.

Calcium chloride anhydrous, granulated

Formular: CaCl<sub>2</sub>

CAS No : 10043-52-4

Molecular weight : 110.99

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

##### 3.2 Mixture.

Not applicable.

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#### 4. First-aid measures

##### 4.1 Description of first aid measures.

Inhaling: Take the person out into the fresh air. If feeling unwell seek medical assistance.

Skin contact: Wash with plenty of water. Remove contaminated clothing.

Eyes: Wash with plenty of water, keeping eyelids open. Seek immediate medical assistance.

Ingestion: Never induce vomiting. seek immediate medical attention.

##### 4.2 Most important symptoms and effects, both acute and delayed.

Not expected to present a significant hazard under anticipated conditions of normal use.

##### 4.3 Indication of any immediate medical attention and special treatment needed.

In case of doubt or when symptoms of feeling unwell persist, get medical attention. Never administer anything orally to persons who are unconscious.

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## 5. Fire-fighting measures

### 5.1 Suitable extinguishing media.

Recommended extinguishing methods: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

### 5.2 Special hazards arising from the substance.

Special risks: Under fire conditions, hazardous fumes will be present.

### 5.3 Advice for firefighters.

Do not enter fire area without proper protective equipment, including respiratory protection.

Fire protection equipment: According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and gloves.

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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.

Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

### 6.3 Methods and material for containment and cleaning up.

The contaminated area should be immediately cleaned with an appropriate de-contaminator. Store away from other materials. Collect spillage.

### 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 Precautions for safe 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 Conditions for safe storage, including any incompatibilities.

Well sealed containers. In well ventilated premises. Away from sources of ignition and heat.

### 7.3 Specific end use(s).

None.

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## 8. Exposure controls/personal protection

### 8.1 Control parameters.

The product does NOT contain substances with Professional Exposure Environmental Limit Values.

The product does NOT contain substances with Biological Limit Values.

### 8.2 Exposure controls.

Personal protection : Avoid all unnecessary exposure.

Respiratory protection : Wear approved mask.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Others : When using, do not eat, drink or smoke.

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## 9. Physical and chemical properties

Appearance:	Solid.
Colour:	White granulated.
Odour:	Odourless.
pH value:	~7 - 11
Melting Point:	770-782 °C
Boiling Point:	>1600 °C
Flash point:	No data available.
Flammability (solid, gas) :	No data available.
Lower explosion limit:	No data available.
Upper explosion limit:	No data available.
Evaporation rate :	No data available.
Vapour pressure:	No data available.
Vapour density :	No data available.
Solubility :	745 g/l ( 20 °C ).
Density :	2.15 g/cm <sup>3</sup> ( 20 °C ).
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity :	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

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## 10. Stability and reactivity

### 10.1 Reactivity.

The product does not present hazards by their reactivity.

### 10.2 Chemical stability.

Stable under the recommended handling and storage conditions (see section 7).

### 10.3 Possibility of hazardous reactions.

The product does not present possibility of hazardous reactions.

### 10.4 Conditions to avoid.

Avoid any improper handling.

### 10.5 Incompatible materials.

Keep away from oxidising agents.

### 10.6 Hazardous decomposition products.

No decomposition if used for the intended uses.

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## 11. Toxicological information

### 11.1 Acute toxicity:

LD50 oral rat : 2120 mg/kg

LD50 dermal rabbit : >5000 mg/kg

Inhalation: Based on available data, the classification criteria are not met.

Dermal: Based on available data, the classification criteria are not met.

Ingestion: Based on available data, the classification criteria are not met.

Corrosion: Based on available data, the classification criteria are not met.

Irritation: Causes serious eye irritation.

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.

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## 12. Ecological information

### 12.1 Toxicity.

Toxicity to fish.

LC50 fish : 4630 mg/l; 96 h

Toxicity to Aquatic invertebrates.

EC50 Daphnia magna : 610 mg/l

### 12.2 Persistence and Degradability.

Biodegradable.

### 12.3 Bioaccumulative potential.

Not established.

### 12.4 Mobility in soil

Not established.

### 12.5 Results of PBT and vPvB assessment.

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 adverse effects.

No information is available about other adverse effects for the environment.

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## 13. Disposal considerations

### 13.1 Waste treatment methods.

Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

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## 14. Transport information

### 14.1 UN number.

Not regulated.

### 14.2 UN proper shipping name.

Not regulated.

### 14.3 Transport hazard class(es).

Not regulated.

### 14.4 Packing group.

Not regulated.

### 14.5 Environmental hazards.

Not regulated.

### 14.6 Special precautions for user.

Transportation is not dangerous

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code.

Not applicable

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## 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance.

Ensure all national/local regulations are observed.

The product is not affected by REACH Restrictions - Annex XVII

The product is not affected by REACH Authorisation - Annex XIV

15.2 Chemical safety assessment.

Not Scheduled.

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## 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.

Review number and date.

v. 1.0

Date published.

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Further information.

None.

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

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