

## SAFETY DATA SHEET

### ALUMINIUM OXIDE ANHYDROUS (Y-ALUMINIA) 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. : KA18

Product name : Aluminium Oxide anhydrous (y-alumina) 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: + 91 22 6663 6663 (9:00am - 6:00 pm) [ Office hours ]

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#### 2. Identification of dangers

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

Not classified as dangerous.

Classification EC 67/548 or EC 1999/45

Not classified as dangerous.

Other hazards

None known.

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#### 3. Composition/information on ingredients

Substance / Preparation: Aluminium Oxide anhydrous

Formular:  $Al_2O_3$

CAS No : 1344-28-1

Molecular weight : 101.96

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

Mixture:

Not applicable.

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#### 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.

4.3 Contact with the skin: Wash with plenty of water. Remove contaminated clothing.

4.4 Eyes: Wash with plenty of water, keeping eyelids open.

4.5 Ingestion: Through swallowing of large amounts, in the event of sickness, 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 Unsuitable extinguishing media : Do not use a heavy water stream.

5.3 Surrounding fires : Use water spray or fog for cooling exposed containers.

5.4 Hazardous combustion products : Under fire conditions, hazardous fumes will be present.

5.5 Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.

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#### 6. Accidental release measures

6.1 Individual precautions: Do not inhale the fumes. Use personal protective equipment as required.

6.2 Precautions for care of the environment: Do not allow it to enter the drainage system. Avoid pollution of the soil, water supplies and drains.

6.3 Methods for collection/cleaning: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

Store away from other materials. Collect spillage.

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

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#### 8. Exposure controls/personal protection

- 8.1 Exposure limit control: No special indications.  
8.2 Respiratory protection: If dust forms, 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.  
8.6 Environmental exposure controls: Fulfill the commitments under local environmental protection legislation.
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## 9. Physical and chemical properties

Appearance:	Solid.
Colour:	White.
Odour:	Odourless.
pH value:	No data available.
Melting Point:	2,050 °C
Boiling Point:	2,980 °C at 1.013 hPa
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:	Soluble in water.
Density:	3,94 g/cm <sup>3</sup> at 20 °C
Relative density, liquid (water=1) :	No data available.
Partition coefficient:	n-octanol/water: No data available.
Viscosity:	No data available.

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## 10. Stability and reactivity

- 10.1 Conditions which should be avoided: Direct sunlight. Extremely high or low temperatures.  
10.2 Incompatible materials: Alkaline metals. Ethylene oxides.  
10.3 Hazardous decomposition products: Chlorine. Hydrogen chloride.  
10.4 Chemical stability: Stable under recommended storage conditions.
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## 11. Toxicological information

11.1 Acute toxicity:	No data available.
11.2 Dangerous effects for health:	
Ingestion:	Based on available data, the classification criteria are not met.
Inhalation:	Based on available data, the classification criteria are not met.
Skin:	Based on available data, the classification criteria are not met.
Eye:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Corrosion:	Based on available data, the classification criteria are not met.
Mutagenicity:	Based on available data, the classification criteria are not met.
Toxic for reproduction:	Based on available data, the classification criteria are not met.
Sensitization:	Based on available data, the classification criteria are not met.

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## 12. Ecological information

12.1 Toxicity:	Not established.
12.2 Persistence and Degradability:	Biodegradable.
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.

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## 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.

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## 14. Transport information

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

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**15. Regulatory information**

- 5.1 Regulatory Information: Ensure all national/local regulations are observed.  
5.2 Poisons Schedule: 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: 15-Sep-2011  
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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