

SAFETY DATA SHEET

BORIC ACID AR/ACS

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

- 1.1 Identification of the substance or preparation:
Catalogue no. : KA101
Product name : BORIC ACID AR/ACS
- 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)
Repr. 1A: (Reproductive toxicity, Hazard Category 1A) H360FD May damage fertility. May damage the unborn child.☒
Classification EC 67/548 or EC 1999/45
Symbol(s) : T : Toxic
R Phrase(s) : ☒ R60 : May impair fertility.
R61 : May cause harm to the unborn child.
S Phrase(s) : S53 : Avoid exposure - obtain special instructions before use.
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 : H360FD May damage fertility. May damage the unborn child.

Precautionary statements:
Prevention: P281 Use personal protective equipment as required.
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.

Response: P308+P313 IF exposed or concerned: Get medical advice/attention.

Storage : P405 Store locked up.

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.

Other hazards: No further relevant information available.

3. Composition/information on ingredients

Substance / Preparation: BORIC ACID 100%
Formular: H_3BO_3
CAS No : 10043-35-3
EC No : 233-139-2

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

4. First-aid measures

- 4.1 Inhaling: Take the person out into the fresh air. In the event sickness persists, seek medical assistance.
- 4.2 Contact with the skin: Wash with plenty of water. Remove contaminated clothing.
- 4.3 Eyes: Wash with plenty of water (for at least 15 minutes), keeping eyelids open. Obtain medical attention if pain, blinking or redness persist.
- 4.4 Ingestion: Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.
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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.
5.6 Special procedures :Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.
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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 sources of ignition. Do not smoke.
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: In case of insufficient ventilation, wear suitable respiratory equipment
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 crystalline powder.
Odour:	Odorless.
pH value:	3.8
Melting Point:	160 °C
Boiling Point:	300 °C
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:	49.2 g/l in water at 20 °C
Density:	1.51
Relative density, gas (air=1) :	No data available.
Relative density, liquid (water=1) :	No data available.
Viscosity:	No data available.

10. Stability and reactivity

- 10.1 Conditions which should be avoided: High temperatures. Adjacent sources of heat.
10.2 Incompatible materials: Strong acids. Strong bases.
10.3 Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide. May release flammable gases.
10.4 Chemical stability: Stable under recommended storage conditions.
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11. Toxicological information

11.1	Acute toxicity:	Based on available data, the classification criteria are not met.
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:	May damage the unborn child. Suspected of damaging fertility.
	Sensitization:	Based on available data, the classification criteria are not met.

12. Ecological information

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| 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.

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

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| 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: 1-Feb-2016
- 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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