

## 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 ]

#### 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.

#### 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.         |

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## 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. |

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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.                                                                                                           |

### 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.

### 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.

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

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