

AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: May 2018  
Version No: 1

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name: Sodium Tetraborate 0.05N  
Sodium Tetraborate 0.1N  
Product Code: 0.05N 0072  
0.1N 0073  
Other Names: -  
Uses: Analytical Reagent  
Supplier: Australian Chemical Reagents  
38-50 Bedford Street Gillman SA 5013  
Contacts: Telephone: 61 08 84402000  
Fax: 61 08 84402001  
Emergency Phone: 61 08 84402000 Mon – Fri 8:30am – 5:00pm

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## 2. HAZARDS INFORMATION

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**Hazard classification:** Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

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### Ingredients :

Chemical Entity	CAS No	Proportion
Sodium Tetraborate 10H <sub>2</sub> O	[1303-96-4]	<2.0%
Water	[7732-18-5]	to 100%

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## 4. FIRST AID MEASURES

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Safety showers and eye wash facilities should be provided.

### **Swallowed :**

If conscious wash out mouth with water. Seek medical advice. Show this SDS to medical practitioner.

### **Eye :**

Immediately hold eyelids open and flood with water for at least 15 minutes. Obtain medical aid. Show this SDS to medical practitioner.

### **Skin :**

Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap. Seek medical advice if irritation persists. Show this SDS to medical practitioner. Launder clothing before reuse.

### **Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this SDS to a doctor.

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## 5. FIRE FIGHTING MEASURES

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### **Suitable Extinguishing Media:**

This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used.

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

**Hazards From Combustion Products:**

Decomposition products include sodium and boron oxides.

**Precautions For Fire Fighters and Special Protective Equipment:**

Fire fighters and others who may be exposed to combustion products during fire should wear full protective clothing including positive pressure self-contained breathing apparatus (SCBA). Wear SCBA with full face-piece, operated in positive pressure mode when fighting fires.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Emergency procedures:**

Prevent from entering waterways. Restrict access to area. Remove chemicals that can react with the spilled material.

**Methods and materials for containment and clean up:**

Use inert material such as sand or earth to contain spill or leak. Absorb spills with chemical absorber or vermiculite and dispose of in accordance with local regulations.

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**7. HANDLING AND STORAGE**

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**Precautions for Safe Handling:**

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Do not pipette by mouth.

**Conditions for Safe Storage:**

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**National Exposure Standards:**

A time weighted average (TWA) has been established for Borates, tetra, sodium salts (decahydrate) (Safe Work Australia) of 5 mg/m<sup>3</sup>. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

**Biological Limit Values:** No data available.

**Engineering Controls:**

Not usually required with normal use.

**Personal Protective Equipment (PPE):**

The use of nitrile or neoprene gloves complying with AS 2161 and the use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance :</b>	Clear liquid
<b>Odour:</b>	Nil
<b>pH:</b>	8
<b>Boiling Point (°C) :</b>	100
<b>Freezing/melting Point:</b>	Not applicable
<b>Vapour Pressure (mm of Hg @ 25°C) :</b>	25
<b>Vapour Density:</b>	Not applicable
<b>Specific Gravity :</b>	1
<b>Flash Point (°C) :</b>	Not flammable
<b>Flammability Limits (%) :</b>	Not flammable
<b>Solubility in Water (g/L) :</b>	Soluble

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**10. STABILITY AND REACTIVITY**

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**Chemical stability:**

Stable.

**Conditions to avoid:**

Excessive heat. Sunlight.

**Incompatible materials:**

Acids, oxidizing agents.

**Hazardous decomposition products:**

Refer to section 5 (Fire Fighting Measures).

**Hazardous reactions:**

Hazardous polymerization will not occur.

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**11. TOXICOLOGICAL INFORMATION**

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**Health Effects:**

**Swallowed** : May be irritating to tissue. May be harmful.

**Eye** : Irritating to eye tissue.

**Skin** : May be irritating to skin tissue.

**Inhaled** : May be irritating to respiratory tissue.

**Chronic Effects:** None known

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**12. ECOLOGICAL INFORMATION**

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**Ecotoxicity:**

No data available.

**Persistence and degradability:**

No data available.

**Mobility:**

No data available.

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**13. DISPOSAL CONSIDERATIONS**

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Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

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**14. TRANSPORT INFORMATION**

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**UN Number:** Nil

**UN Proper Shipping Name:** Not Applicable

**Class and subsidiary risk(s):** Not Applicable

**Packing Group:** Not Applicable

**Hazchem Code:** Not Applicable

**Special precautions for user :**

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**15. REGULATORY INFORMATION**

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**Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):**

Not Scheduled

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**16. OTHER INFORMATION**

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END of SDS