



AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: August 2022  
Version No: 6

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name: Buffer Solution pH 4 Colour Coded Red Buffer  
Product Code: 121381 pH4.01 Buffer, 200mL, with colour indicator  
121382 pH4.01 Buffer, 1 Litre, with colour indicator  
Other Names: nil  
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 :**

<b>Chemical Entity</b>	<b>CAS No</b>	<b>Proportion</b>
Potassium hydrogen phthalate	[877-24-7 ]	1%
Water	[7732-18-5]	to 100%

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## 4. FIRST AID MEASURES

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

### Suitable Extinguishing Media:

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

### Hazards From Combustion Products:

Product will not burn or support combustion. Decomposition products include oxides of carbon.

### 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

### Emergency procedures:

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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

### Precautions for Safe Handling:

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

### 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

### National Exposure Standards:

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SWA – : None known

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

### Engineering Controls:

Not 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 red liquid
<b>Odour:</b>	Nil
<b>pH:</b>	4
<b>Boiling Point (°C) :</b>	Not applicable
<b>Freezing/melting Point:</b>	Not applicable
<b>Vapour Pressure (mm of Hg @ 25°C):</b>	Not applicable
<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

**Chemical stability:** Stable.  
**Conditions to avoid:** Excessive heat. Sunlight.  
**Incompatible materials:**

### **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 :** Consumption of large quantities may cause irritation of the gastric system.

**Eye :** May be irritating to eye tissue.

**Skin :** Not considered a hazard with normal laboratory use.

**Inhaled :** Not considered a hazard with normal laboratory use.

**Chronic Effects:** No data available

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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:** None allocated

**UN Proper Shipping Name:** None allocated

**Class and subsidiary risk(s):** None allocated

**Packing Group:** None allocated

**Hazchem Code:** None allocated

**Special precautions for user :** Nil

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## 15. REGULATORY INFORMATION

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

Not Scheduled

## 16. OTHER INFORMATION

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