

# SAFETY DATA SHEET

Date Prepared: January 2022  
Version No: 6

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name: Buffer Solution pH 7.0 Colour Coded Green  
Product Code: AUS700, 900117, 970630, 900178  
Other Names: nil  
Uses: Analytical Reagent

Supplier: Australian Scientific Pty Ltd  
11 McDougall St  
KOTARA NSW 2289

Contacts: Telephone: 02 49562299  
Fax: 02 49562525  
Emergency Phone: 131126 (Poisons Information Centre)

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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 |
|--------------------------------|-------------|------------|
| Potassium dihydrogen phosphate | [7778-77-0] | <10%       |
| Di Sodium hydrogen phosphate   | [7558-79-4] | <10%       |
| 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:**

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 phosphorus.

### **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:**

Do not allow to enter 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.

### **Conditions for Safe Storage:**

Store sealed in original container 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:**

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 face shield, 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 green liquid |
| <b>Odour:</b>                             | Nil                |
| <b>pH:</b>                                | 7                  |
| <b>Boiling Point (oC):</b>                | 100                |
| <b>Freezing/melting Point:</b>            | 0                  |
| <b>Vapour Pressure (mm of Hg @ 25oC):</b> | Not applicable     |
| <b>Vapour Density:</b>                    | Not applicable     |
| <b>Specific Gravity:</b>                  | 1                  |
| <b>Flash Point (oC):</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. Strong sunlight.

**Incompatible materials:**

Acids, alkalis.

**Hazardous decomposition products:**

Refer to section 5 (Fire Fighting Measures).

**Hazardous reactions:**

Hazardous polymerisation will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Health Effects:****Swallowed:**

May be harmful. Consumption of large quantities may cause irritation of the gastric system.

**Eye:**

May be irritating to eye tissue.

**Skin:**

May be irritating to skin tissue.

**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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|--------------------------------------|----------------|
| <b>UN Number:</b>                    | None allocated |
| <b>UN Proper Shipping Name:</b>      | None allocated |
| <b>Class and subsidiary risk(s):</b> | None allocated |
| <b>Packing Group:</b>                | None allocated |
| <b>Hazchem Code:</b>                 | None allocated |
| <b>Special precautions for user:</b> | Nil            |

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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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