

# MATERIAL SAFETY DATA SHEET

Date Prepared: February 2013

Version No: 4

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Buffer Solution pH 7.0 Colour Coded Green  
 Product Code: 0114  
 Other Names: nil  
 Uses: Analytical Reagent

Supplier: Australian Chemical Reagents  
 19 Kensal Street Moorooka Qld 4105

Contacts: Telephone: 61 07 38484828  
 Fax: 61 07 38925936  
 Emergency Phone: 61 07 38484828

## 2. HAZARDS INFORMATION

**Hazard classification:** Non Hazardous. Non Dangerous Goods.

**Risk phrases:**

Not considered a hazard according to the criteria of NOHSC.

**Safety phrases:**

Not considered a hazard according to the criteria of NOHSC.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**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%

## 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 MSDS to medical practitioner.

**Eye :**

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

**Skin :**

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

**Inhaled :**

Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance. Show this MSDS 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 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 green liquid
<b>Odour:</b>	Nil
<b>pH:</b>	7
<b>Boiling Point (°C) :</b>	100
<b>Freezing/melting Point:</b>	0
<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

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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 polymerization 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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**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

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## 16. OTHER INFORMATION

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