

# SAFETY DATA SHEET

Date Prepared: November, 2019  
Version No: 1.2

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: pH probe storage solution  
 Product Codes: KS250 and KS1000  
 Other Names: Nil  
 Uses: Analytical Reagent

Supplier: Ionode Pty Ltd  
 12 Walker Street, Tennyson Qld 4105

Contacts: Telephone: 61 07 38481660  
 Emergency Phone: 61 07 38481660

## 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 chloride	[7447-40-7]	<20%
Potassium Hydrogen Phthalate	[877-24-7]	<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 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

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### Emergency procedures:

Prevent from entering waterways. Restrict access to area. Ventilate 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 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:

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 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

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**Chemical stability:**

Stable.

**Conditions to avoid:**

Excessive heat.

**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 :** May be irritating to tissue. Ingestion may cause vomiting, cramps, diarrhea. Ingestion of large quantities may cause heart conditions due to high potassium levels.

**Eye :** Irritating to eye tissue.

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

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

**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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