



AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: November 2022  
Version 2

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name: Potassium Chloride Filling Gel  
Product Code: 121811 Reference Filling Gel 1 (3.4M KCL Gel), 10mL  
121329 Gel Filling Solution for IJ pH probes (3.4M KCL Gel) 10mL  
Other Names: nil  
Uses: Analytical Reagent  
Supplier: TPS Pty Ltd  
1 / 8 Bult Drive, Brendale QLD 4500 Australia  
Contacts: Telephone: 61 07 3205 8027  
Emergency Phone: 61 07 3193 7124

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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 Chloride	[7447-40-7]	25.3%
Hydroxyethyl Cellulose	[9004-62-0]	2%
Ethylene Glycol	[107-21-1]	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

### 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

### 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:

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>	Neutral
<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

## 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

**Health Effects:**

**Swallowed :** May be harmful if swallowed. May cause irritation to the gastric system. For ethylene glycol LDLo human estimated as 1.6g/kg. Oral-rat LD50 6140 – 8540mg/kg.

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

**Skin :** May irritate skin tissue with prolonged contact.

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

**Chronic Effects:** No data available

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## 12. ECOLOGICAL INFORMATION

**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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Mop up spills and flush to waste if local regulations permit.

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### 14. TRANSPORT INFORMATION

**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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