



AUSTRALIAN CHEMICAL REAGENTS  
**SAFETY DATA SHEET**

Date Prepared: August 2022

Version No: 2

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## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Product Name: Ionic Strength Adjustor 5 (5M NaNO<sub>3</sub>), 200mL  
Product Code: 121836 Ionic Strength Adjustor 5 (5M NaNO<sub>3</sub>), 200mL (5M)  
Other Names: nil  
Uses: Analytical reagents for  
calibrating Ion  
Electrodes Selective  
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 |
|-----------------|-------------|------------|
| Sodium Nitrate  | [7631-99-4] | 42%        |
| 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.

## 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>               | 100 (approx)        |
| <b>Freezing/melting Point:</b>            | Not applicable      |
| <b>Vapour Pressure (mm of Hg @ 25°C):</b> | 25 (approx)         |
| <b>Vapour Density:</b>                    | Not applicable      |
| <b>Specific Gravity:</b>                  | 1.2                 |
| <b>Flash Point (°C):</b>                  | Not flammable       |
| <b>Flammability Limits (%):</b>           | Not flammable       |
| <b>Solubility in Water (g/L):</b>         | Completely Miscible |

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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

**Health Effects:**

**Swallowed :** Consumption of large quantities may cause irritation of the gastric system. May lead to nausea. Vomiting, cramps, diarrhoea.

**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

**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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