AUSTRALIAN CHEMICAL REAGENTS

SAFETY DATA SHEET

Date Prepared: Aug 2022
Version 2

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Solutions made from Potassium Chloride dissolved in water
Product Code: 123303 Filling Solution, ED500, ED1 & YSI DO Sensors, 45mL
Other Names: nil
Uses: Filling solutions are used to fill specific ion and reference electrodes

Supplier: TPS Pty Ltd
1 / 8 Bult Drive, Brendale QLD 4500 Australia
Contacts: Telephone: 61 07 3205 8027

Emergency Phone: 61 07 3193 7124

2. HAZARDS INFORMATION

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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients :

Chemical Entity	CAS No	Proportion
Potassium Chloride	[7447-40-7]	1M
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 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.

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:

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

Appearance :	Clear liquid
Odour:	Nil
pH:	Neutral
Boiling Point (^{0}C) :	Not applicable
Freezing/melting Point:	Not applicable
Vapour Pressure (mm of Hg @ 25^{0}C):	Not applicable
Vapour Density:	Not applicable
Specific Gravity: 1.2	
Flash Point (^{0}C):	Not flammable
Flammability Limits (%):	Not flammable
Solubility in Water (g/L):	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.

11. TOXICOLOGICAL INFORMATION

Health Effects:

Swallowed : Consumption of large quantities may cause irritation of the gastric system. May lead to nausea. Vomiting, cramps, diarrhoea. Ingestion of large quantities may cause heart condition due to high potassium level.
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

12. ECOLOGICAL INFORMATION

Ecotoxicity:
No data available.
Persistence and degradability:
No data available.
Mobility:
No data available.

13. DISPOSAL CONSIDERATIONS

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

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

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP):

Not Scheduled

16. OTHER INFORMATION

Disclaimer:

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