AUSTRALIAN CHEMICAL REAGENTS

MATERIAL SAFETY DATA SHEET

Date Prepared: July 2008
Version No: 3

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Potassium Chloride 4 M
Product Code: 0526
Other Names: Potassium Chloride 4 N
Uses: Analytical Reagent

Supplier: Australian Chemical Reagents
19 Kensal Street Moorooka Qld 4105

Contacts: Telephone: 61 07 38484828
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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]	28%
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.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:
Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
Hazards From Combustion Products:
Potassium chloride and its solutions will not burn or support combustion.
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. 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.

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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:
Worksafe – 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance :	Clear liquid
Odour:	Nil
pH:	7
Boiling Point (^{0}C) :	100
Freezing/melting Point:	Not applicable
Vapour Pressure (mm of Hg @ 25^{0}C) :	Not applicable
Vapour Density:	Not applicable
Specific Gravity :	1.3
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.
Incompatible materials:
Nil
Hazardous decomposition products:
Refer to section 5 (Fire Fighting Measures).
Hazardous reactions:
Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Effects:
Swallowed : May be irritating to tissue. Ingestion may cause vomiting, cramps, diarrhoea. Ingestion of large quantities may cause heart condition due to high potassium level.
Eye : Iirritating to eye tissue.
Skin : May be irritating to skin tissue.
Inhaled : May be irritating to respiratory tissue.
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

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

14. TRANSPORT INFORMATION

UN Number: Not applicable
UN Proper Shipping Name: Not applicable
Class and subsidiary risk(s): Not applicable
Packing Group: Not applicable
Hazchem Code: Not applicable
Special precautions for user : Nil

15. REGULATORY INFORMATION

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

16. OTHER INFORMATION

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