SAFETY DATA SHEET

Date Prepared: January 2022

Version No: 6

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Buffer Solution pH 4 Colour Coded Red Buffer

Product Code: AUS400, 900114, 970629, 900141

Other Names: nil

Uses: Analytical Reagent

Supplier: Australian Scientific Pty Ltd

11 McDougall St KOTARA NSW 2289

Contacts: Telephone: 02 49562299

Fax: 02 49562525

Emergency Phone: 131126 (Poisons Information Centre)

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 EntityCAS NoProportionPotassium hydrogen phthalate[877-24-7]1%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

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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:

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.

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:

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 face shield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear red liquid

Odour: Nil pH: 4

Boiling Point (oC):

Freezing/melting Point:

Vapour Pressure (mm of Hg @ 25oC):

Vapour Density:

Not applicable

Not applicable

Not applicable

Specific Gravity: 1

Flash Point (oC):

Flammability Limits (%):

Solubility in Water (g/L):

Not flammable
Soluble

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10. STABILITY AND REACTIVITY

Chemical stability:

Stable.

Conditions to avoid:

Excessive heat. Sunlight.

Incompatible materials:

Acids, alkalis

Hazardous decomposition products:

Refer to section 5 (Fire Fighting Measures).

Hazardous reactions:

Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Health Effects:

Swallowed:

Consumption of large quantities may cause irritation of the gastric system.

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

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:
UN Proper Shipping Name:
Class and subsidiary risk(s):
Packing Group:
None allocated
None allocated
None allocated
None allocated
None allocated

Special precautions for user: Nil

15. REGULATORY INFORMATION

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

Not Scheduled

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16. OTHER INFORMATION

Disclaimer:

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