

Product Name: **BUFFER SOLUTIONS**

Issue Date: 23 November 2016

Not Classified as Hazardous

Section 1. Product and Company Identification

GHS Product Identifier:

BUFFER SOLUTIONS

Product Code:

PS-BUPHxxx (See Specifics Below)

Various; 1 – 5,000mL

Manufacturer:

Perth Scientific Pty Ltd

2/11 Narloo Street

Malaga, West Australia 6090

Additional Information:

Business Hours: 0830 - 1630Hrs Monday to Friday

+61 08 6240 5600

Volumes:

Emergency: Call National Poisons Information Centre:

13 11 26

Recommended use of the

Laboratory reagent

Other Names:

chemical:

Name
Buffer Solution pH 4.0 Red PS-BUPH4

Buffer Solution pH 4.0 Colourless PS-BUPH4C

Buffer Solution pH 4.0 Colourless PS-BUPH4C
Buffer Solution pH 7.0 Green PS-BUPH7
Buffer Solution pH 7.0 Colourless PS-BUPH7C

<u>Name</u>

Buffer Solution pH 10.0 C Blue Buffer Solution pH 10.0 Colourless Buffer Solution pH 6.86 Colourless Product Code PS-BUPH10

PS-BUPH10C PS-BUPH6.86

Section 2. Hazards Identification

Signal Word: Void Hazard Statements Void

Hazard Classification: Non Hazardous. Non Dangerous Goods

Risk Phases:

Risk Phases:

Outconsidered a hazard

Not considered a hazard

Not classified as hazard

Not classified as hazardous

substance/mixture/solution:

Safe Work: Not classified as hazardous

Rail and Road: Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods

by Road and Rail. (7th Edition)

GHS: The product is not classified as hazardous according to GHS

Section 3. Composition and Information on Ingredients

	Component	CAS#	% by Weight	Hazard Symbol	Risk Phrase
1.	Water	7732-18-5	To 100%		
2.	Potassium hydrogen phthalate	877-24-7	<2%		
3.	Potassium dihydrogen orthophosphate	7787-77-0	<1%		
4.	di-Sodium Hydrogen ortho-phosphate	7558-79-4	<1%		
5.	Sodium carbonate anhydrous	497-19-8	<1%	Xi	R36
6.	Sodium hydrogen carbonate	144-55-8	<2%		
7	Sodium chloride	7647-14-5	<1%		
8.	Sodium hydroxide	1310-73-2	<0.001%	С	R35
9.	Thymol	89-83-8	<0.001%		
10.	Red Dyestuff food grade		<0.01%		
11.	Green Dyestuff food grade		<0.01%		
12.	Blue Dyestuff food grade		<0.01%		

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Section 4. First Aid Measures. Product and Company Identification

Safety showers and eye wash facilities should be provided.

Swallowed: If conscious, wash out mouth with water. Seek medical advice if irritation or other symptoms

present.

Eye: Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms

persist.

Skin: Remove contaminated clothing. Immediately wash skin thoroughly with water and mild soap.

Seek medical assistance if irritation persists. Launder clothing before reuse.

Inhaled: Remove from contaminated air. Maintain breathing with artificial respirator

Advise to Doctor: Treat asymptomatically based on judgement of doctor and individual reactions of the patient.

First Aid Facilities: Maintain eyewash fountain and safety showers in work area

Other Information: For advice, contact a Poisons Information Centre (phone Australia 13 11 26)

Section 5. Fire Fighting Measures

Suitable Extinguishing Media: Use extinguishing media most appropriate to surrounding area.

Hazards from Combustion Products

No limitations to the type of extinguishing media.

Product 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.

Section 6. Accidental Release Measures

Spills and Disposal: Wash area down with excess water. Mop up. Prevent from entering waterways.

Personal Protection, Methods and materials for containment and clean up:

Wear protective clothing specified for normal operations (see Section 8).

Use inert material such as sand or earth to contain spill or leak.

Absorb spills with chemical absorber

Section 7. Handling and Storage

Precautions for Safe Handling: No specific measures. Do not get in eyes, on skin, on clothing. Avoid prolonged or

repeated exposure.

Conditions for Safe Storage: Store sealed in original container away from foods and other chemicals. Do not store

in direct sunlight. Store in an even temperature between 15C - 25C. Observe good

hygiene and housekeeping practices.

Section 8. Exposure Controls / Personal Protection

Occupational exposure limit values

Name	STEL		TWA		
	Mg/m ³	ppm	mg/L ³	ppm	Footnote
Sodium hydroxide			2		Peal Limitation

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

recommended.

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Respiratory Protection: No special ventilation required

Eye Protection The use of face shield, chemical goggles or safety glasses with side shield protection as

appropriate. Must comply with Australian Standards AS 1337

Hand Protection: Hand protection should comply with AS 2167, Occupational protective gloves - selection, use

and maintenance. Recommendation: Plastic or rubber gloves

Personal Protective: Final choice of personal protective equipment will depend upon individual circumstance and/or

according to risk assessments undertaken

Body Protection: Clean clothing or protective clothing should be worn, preferably with an apron. Clothing and/or

protection against chemicals should comply with AS 2765 Clothing for Protection Against

Hazardous Chemicals

Hygiene Measures: Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and

other protective equipment before storing or re-using.

Section 9. Physical and Chemical Properties

Form: Liquid

Appearance: Clear, colourless, red, green or blue solution.

Odour: N

pH: As stated on label

Boiling Point (°C): ~100C

Freezing/Melting Point: 0

Vapour Pressure (mm of Hg @ 25C)

Vapour Density:

Specific Gravity:
Flash Point (°C):
Flammability Limits (%):

Not Applicable
1.0 (approx)
Not combustible
Not combustible

Other information: Limited shelf life: Expiry on the label

Section 10. Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures

Conditions to Avoid: Excessive heat. Strong sunlight.

Hazardous Reactions: Hazardous polymerisation will not occur.

Section 11. Toxicology Information

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

Eye: May be Irritating to eye. May cause watering of the eyes. **Skin:** Repeated or prolonged skin contact may lead to irritation.

Inhaled: Practically non-harmful by inhalation. Not considered a hazard with normal laboratory use.

Carcinogenicity: No evidence of carcinogenic properties.

Mutagenicity: No evidence of mutagenic properties.

Section 12. Ecological Information

Ecological information:No ecological problems are to be expected when the product is handled and used with due care

and attention.

Ecotoxicity: Quantitative data on the ecological effect of this product are not available. Although not classified

as environmentally hazardous, harmful effects cannot be excluded in the event of improper

handling or disposal.

Persistence and Degradability: No data available.

Mobility: No data available.

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Section 13. Disposal Considerations

Disposal considerations: Whatever cannot be saved for recovery or recycling should be disposed of according to local,

state and federal government regulations.

Section 14. Transport Information

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

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

Section 15. Regulatory Information

Poisons schedule: Not scheduled (SUSDP)

Section 16. Other Information

Disclaimer:

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