

Infosafe No™ 1CH90 Issue Date : December 2020 RE-ISSUED by CHEMSUPP

Product Name **BUFFER SOLUTIONS**

Not classified as hazardous

1. Identification

GHS Product Identifier BUFFER SOLUTIONS

Company Name CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

Address 38 - 50 Bedford Street GILLMAN
SA 5013 Australia

Telephone/Fax Number Tel: (08) 8440-2000

Emergency phone number CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

E-mail Address www.chemsupply.com.au

Recommended use of the chemical and restrictions on use Laboratory reagent.

Other Names	Name	Product Code
	BUFFER SOLUTION pH 4.0 Colour-coded Red	BL047
	BUFFER SOLUTION pH 4.0 Colourless	BL076
	BUFFER SOLUTION pH 6.8 Colourless	BL075
	BUFFER SOLUTION pH 7.0 Colour-coded Green	BL048
	BUFFER SOLUTION pH 7.0 Colourless	BL077
	BUFFER SOLUTION pH 9.2 Colour-coded Turquoise	BL100
	BUFFER SOLUTION pH 10.0 Colour-coded Blue	BL019
	BUFFER SOLUTION pH 10.0 Colourless	BL078
	BUFFER SOLUTION pH 2.0 Colourless	BL107

Other Information

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

2. Hazard Identification

GHS classification of the substance/mixture Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Water	7732-18-5	96-100 %
	Potassium hydrogen phthalate	877-24-7	0-5 %
	Potassium dihydrogen orthophosphate	7778-77-0	0-2 %
	Sodium bicarbonate	144-55-8	0-2 %
	Sodium carbonate, anhydrous	497-19-8	0-1 %

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di-Potassium hydrogen orthophosphate	7758-11-4	0-1 %
Methyl 4-Hydroxybenzoate	99-76-3	0-0.5 %
Sodium hydroxide	1310-73-2	0-0.05 %
Sodium azide	26628-22-8	0-0.04 %
Red Dyestuff (only in colour coded solutions)	915-67-3	0-0.01 %
Green Dyestuff (only in colour coded solutions)		0-0.01 %
Blue dyestuff (only in colour coded solutions)		0-0.01 %

4. First-aid measures

Inhalation	No specific measures
Ingestion	Rinse mouth.
Skin	Wash affected areas with copious quantities of water. If irritation occurs seek medical advice.
Eye contact	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically based on judgement of doctor and individual reactions of the patient.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Specific Methods	Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media. This product contains a substantial proportion of water therefore there are no restrictions on the type of extinguishing media which may be used. Material does not burn.
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6. Accidental release measures

Spills & Disposal	Wash area down with excess water. Mop up.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)

7. Handling and storage

Precautions for Safe Handling	No specific measures
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and dry, away from direct sunlight. Store at an even temperature between 15 - 25 °C.

8. Exposure controls/personal protection

Occupational exposure limit values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Sodium hydroxide			2		Peak limitation
	Sodium azide			0.3	0.11	Peak limitation
Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m3. All atmospheric contamination should be kept to as low a level as is workable.					
Appropriate engineering controls	No special ventilation required.					

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Respiratory Protection	Not normally required.
Eye Protection	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Body Protection	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 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.

9. Physical and chemical properties

Form	Liquid
Appearance	Colourless, red, green, turquoise or blue solution.
Melting Point	(Buffer pH 6.8) -5 °C
Boiling Point	~100 °C
Solubility in Water	Miscible.
Specific Gravity	1.0 (approx)
pH	As stated on label.
Flammability	Non combustible material.
Other Information	Limited shelf life: Expiry date on the label.

10. Stability and reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Mutagenicity	Not classified based on available information.

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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.

13. Disposal considerations

Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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14. Transport information

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

Regulatory Information	All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Poisons Schedule	Not Scheduled

16. Other Information

Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'. Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand. Safe Work Australia, 'Hazardous Chemical Information System'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'. Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.
Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. ChemSupply Australia Pty Ltd accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives. ...End Of MSDS...

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