

# Material Safety Data Sheet

## BUFFER PH 7 COLOUR CODED

**Infosafe™** JXFL4      **Issue**      December 2008      **Status** ISSUED by      **BS:**  
**No.**      **Date**           AJAXFC      1.9.21

**Not classified as hazardous according to criteria of NOHSC**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name**      BUFFER PH 7 COLOUR CODED

**Product Code**      A98500

**Company Name**      Ajax Finechem (ABN 64 121 927 786)

**Address**      17/21 Bay Road Taren Point  
NSW 2229

**Emergency Tel.** 1800 638 556 (24 hr) Aust / (NZ): 0800 154 666

**Telephone/Fax Number**      Tel: 1300 884 078

<b>Other Names</b>	<b>Name</b>	<b>Product Code</b>
	PH7.0 COL.CODED BUFF.SOLN(GREEN)	2491
	PH7.0 CLEAR BUFFER SOLUTION	8181
	BUFFER PH 7	A18
	BUFFER SOLUTION PH7	A18500
	BUFFER SOLUTION PH7	BSPA18
	BUFFER PH7 COLOUR CODED	BSPA98

**Other Information**      NEW ZEALAND: Ajax Finechem (NZ) Ltd  
150B Harris Road, East Tamaki, Auckland  
Phone (09) 273 4343  
Fax (09) 273 4341  
Emergency Advice (NZ): Phone 0800 154 666

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## 2. HAZARDS IDENTIFICATION

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### **Hazard Classification**

Australia:

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

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

New Zealand:

Not Classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

Not classified as Dangerous Goods for transport, according to the New Zealand Standard NZS 5433:2007 Transport of Dangerous Goods on Land.

### **Risk Phrase(s)**

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>
	Potassium dihydrogen orthophosphate	7778-77-0	<10 %
	Sodium Hydroxide	1310-73-2	<0.5 %
	Sodium Azide	26628-22-8	<0.1 %
	Water	7732-18-5	60-100 %

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## 4. FIRST AID MEASURES

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**Inhalation** Remove the source of contamination or move the affected person to fresh air. Ensure airways are clear. If symptoms develop and persist seek medical attention.

**Ingestion** DO NOT induce vomiting. Immediately wash out mouth with water. If symptoms develop seek medical attention.

<b>Skin</b>	Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Eye</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
<b>First Aid Facilities</b>	Eye wash and normal washroom facilities.
<b>Advice to Doctor</b>	Treat symptomatically
<b>Other Information</b>	For advice in an emergency, contact Poisons Information Centre (Australia 131 126; New Zealand 0800 POISON / 0800 764 766) or a doctor.

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## 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Use appropriate fire extinguisher for surrounding environment.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes.
<b>Specific Hazards</b>	Non-combustible liquid. Product containers may rupture when exposed to heat under fire conditions.
<b>Precautions in connection with Fire</b>	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Emergency Procedures</b>	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the
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waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

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## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling** Avoid breathing in mists or vapours. Wear appropriate protection to avoid exposure. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

**Conditions for Safe Storage** Store in a cool, dry well-ventilated area away from heat and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.

**Corrosiveness** Not corrosive to aluminium.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**National Exposure Standards** No value assigned for this specific material by the Australian National Occupational Health and Safety Commission (NOHSC) or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, the available exposure limits on the ingredients are as follows:

Australian National Occupational Health And Safety Commission (NOHSC) Exposure Standards:  
Substance TWA STEL  
ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>  
Sodium Azide 0.11 0.3 (peak limitation) - -  
Sodium Hydroxide - 2 (peak limitation) - -  
New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:  
Substance TWA STEL  
ppm mg/m<sup>3</sup> ppm mg/m<sup>3</sup>  
Sodium Azide 0.11 0.3 (Ceiling) - -  
Sodium Hydroxide - 2 (Ceiling) - -

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.  
Peak Limitation: A ceiling concentration which should not

be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.  
Ceiling: A concentration that should not be exceeded during any part of the working day.

<b>Biological Limit Values</b>	No Biological limit available.
<b>Engineering Controls</b>	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.
<b>Respiratory Protection</b>	Not normally required, however if engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
<b>Eye Protection</b>	Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
<b>Hand Protection</b>	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
<b>Body Protection</b>	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Colourless solution or green colour-coded solution.
<b>Freezing Point</b>	Not available
<b>Boiling Point</b>	Not available
<b>Solubility in</b>	Soluble

## Water

<b>Specific Gravity</b>	Not available
<b>pH Value</b>	7.0
<b>Vapour Pressure</b>	Not available
<b>Vapour Density (Air=1)</b>	Not available
<b>Flash Point</b>	Not applicable
<b>Flammability</b>	Non-combustible liquid
<b>Auto-Ignition Temperature</b>	Not applicable
<b>Flammable Limits - Lower</b>	Not applicable
<b>Flammable Limits - Upper</b>	Not applicable

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## 10. STABILITY AND REACTIVITY

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<b>Chemical Stability</b>	Stable under normal conditions of use.
<b>Hazardous Decomposition Products</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes.
<b>Hazardous Polymerization</b>	Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No toxicity data are available for this specific product. The available data for the ingredients are as follows: Sodium Azide: LD50 (Oral, Rat): 27 mg/kg LD50 (Dermal, Rat): 50 mg/kg LC50 (Inhalation, Rat): 37 mg/m <sup>3</sup>
<b>Inhalation</b>	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

<b>Ingestion</b>	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
<b>Skin</b>	May cause redness, itching and irritation.
<b>Eye</b>	May cause eye irritation, tearing, stinging, blurred vision, and redness.
<b>Chronic Effects</b>	No known effects.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Not available
<b>Persistence / Degradability</b>	Not available
<b>Mobility</b>	Not available
<b>Environment Protection</b>	Avoid contaminating waterways.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	The spilled or waste material must be disposed of in accordance with relevant local, state and federal regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Australia: Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. New Zealand: Not Classified as Dangerous Goods according to New Zealand Standard 5433:2007 - Transport of Dangerous Goods on Land.
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## 15. REGULATORY INFORMATION

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**Regulatory Information** Australia:  
Not classified as hazardous according to criteria of Australian National Occupational Health & Safety Commission (NOHSC).  
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons Schedule** Not Scheduled

**National and or International Regulatory Information** New Zealand:  
Not classified as Hazardous according to the New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

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## 16. OTHER INFORMATION

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**Date of preparation or last revision of MSDS** MSDS Reviewed: December 2008  
Supersedes: September 2003

**Contact Person/Point** For further information contact Tom Sadler on 1300 884 078 during business hours. In case of emergency call Australia 1800 638 556/ New Zealand 0800 154 666.

IMPORTANT ADVICE: This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Ajax Finechem Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.