

infosafe <sub>CS: 1.7.2</sub>

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Infosafe No™

3CHG7

Issue Date : October 2018

**RE-ISSUED by ACR** 

Product Name : BORIC ACID 4% w/v

### Classified as hazardous

1. Identification					
GHS Product	BORIC ACID 4% w/v				
Identifier					
Product Code	0426				
Company Name	AUSTRALIAN CHEMICAL REAGENTS (ACR) (ABN 19 008 264 211)				
Address	38 - 50 Bedford Street Gillman S.A. 5013 Australia				
Telephone/Fax	Tel: (08) 8440 2000				
Number	Fax: (08) 8440 2001				
(24 hour a day	CHEMCALL: 1800 127 406 (Australia) / +64-4-917-9888 (International)				
available) Recommended use	Analytical reagent.				
of the chemical and					
restrictions on use					
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.				
	Australian Chemical Reagents (ACR) 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 Australian Chemical Reagents (ACR) 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 available to provide the provided.				
	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 Australian Chemical Reagents (ACR) 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 Identifi	cation				
GHS classification	Toxic to Reproduction: Category 2				
of the					
substance/mixture Signal Word (s)	DANGER				
Hazard Statement	H360 May damage fertility. May damage the unborn child.				
(s)	nooo way damaye lettinty. way damaye the driborn child.				
Pictogram (s)	Health hazard				
Precautionary statement –	P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood.				
Prevention	P281 Use personal protective equipment as required.				
Precautionary	P308+P313 IF exposed or concerned: Get medical advice/attention.				
statement –					
Response Precautionary	P405 Store locked up.				
statement – Storage					
Precautionary	P501 Dispose of contents/container to an approved waste disposal plant.				
statement – Disposal					
	nformation on ingredients				
Chemical	Liquid				
Characterization					
Ingredients	Name CAS Proportion Hazard Symbol Risk Phrase				



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Product Name :	BORIC ACID 4% w/v					
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	Boric acid Water to make a to	10043-35-3 4 % otal of 100% 7732-18-5 -				
4. First-aid meas						
Inhalation		resh air. Seek medical advice if effects persist.				
Ingestion Skin	Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist. Immediately remove contaminated clothing and wash affected area with water for at least 15 minutes. Ensure contaminated clothing is washed before re-use. Seek medical advice /attention depending on the severity.					
Eye contact	Irrigate with copiou	is quantity of water for 15 minutes. Seek medical a	ssistance if symptoms persist.			
First Aid Facilities	Maintain eyewash	Maintain eyewash fountain and safety shower in work area.				
Advice to Doctor	Treat symptomatic	Treat symptomatically based on judgement of doctor and individual reactions of the patient.				
Other Information	For advice, contac 0800 764 766) or a	t the National Poisons Information Centre (Phone ) a doctor.	Australia 13 11 26; New Zealand			
5. Fire-fighting n						
Specific Methods Specific hazards arising from the	extinguishing med	ins a substantial proportion of water therefore ther a which may be used. carbon dioxide, dry powder. ourn.	are no restrictions on the type of			
chemical Precautions in connection with Fire	9	ctive equipment for surrounding fire.				
6. Accidental rel						
Personal Precautions	Avoid innalation, c	ontact with skin, eyes and clothing.				
	Wear protective cl	othing specified for normal operations (see Section	18)			
Clean-up Methods - Small Spillages	Do not use rags, sawdust or other combustible absorbents to wipe up spilled material.					
Environmental Precautions	Prevent from enter	ing into drains, ditches, rivers or the sea.				
7. Handling and	storage					
Handling	adequate exposure be made aware of Contaminated clot	that pregnant or breastfeeding women should not e protection can be assured at all times. Female pe the potential risks. Wash hands and face thorough hing should be removed and washed before reuse.	ersonnel planning pregnancy should hly after working with material.			
Conditions for safe storage, including	No special storage	requirements. Keep only in original container.				
any incompatabilities						
8. Exposure con	trols/personal p	protection				
Other Exposure Information	A time weighted average of the second	verage (TWA) concentration for an 8 hour day, and e Work Australia Australia for this product. There is n limits have not otherwise been established.	5 day week has not been s a blanket limit of 10 mg/m3 for			
Appropriate engineering control		ons maintain the concentrations values below the Ton, use of local exhaust ventilation, capturing subs				
Respiratory Protection	or mists. Respirato selected in accord Devices. Filter cap planned entry into respiratory protect	is not adequate, respiratory protection may be requ bry protection should comply with AS 1716 - Respir ance with AS 1715 - Selection, Use and Maintenan acity and respirator type depends on exposure leve unknown concentrations a positive pressure, full-fa tion is required, institute a complete respiratory prot maintenance and inspection.	atory Protective Devices and be ice of Respiratory Protective els. In event of emergency or acepiece SCBA should be used. If			



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Product Name :	BORIC ACID	4% w/v				
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Eye Protection	Must comply w	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	Rubber or plastic gloves recommended. Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance.					
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					
Body Protection	Zealand or other approved standards. Wear suitable protective clothing to prevent skin contact. Clean clothing or protective clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.					
Hygiene Measures	Always wash h	nands before smoking, eating or using the toilet. Wash ipment before storing or re-using.	contaminated clothing and other			
9. Physical and		perties				
Form	Liquid					
Appearance Odour	Clear liquid. Odourless.					
Solubility in Water	Completely mis	scible				
pH		5 °C) Boric acid anhydrous.				
Flammability	Non combustit	, .				
10. Stability and						
Chemical Stability		iormal use conditons.				
		mperature and direct sunlight.				
Hazardous Polymerization	Will not occur.					
11. Toxicologica						
-		60 mg/kg - Boric acid anhydrous				
Acute Toxicity - Dermal Ingestion	LD50 (rat): >20 May be harmfu	000 mg/kg - Boric acid anhydrous Il if swallowed				
Inhalation	•	inhaled. Inhalation of vapours may irritate nose and the	roat			
Skin	-	I if absorbed through skin. May irritate skin tissue with				
Eye	May be irritatin	ig to eye tissue.				
Carcinogenicity	No evidence o	f carcinogenic properties.				
Reproductive Toxicity Chronic Effects	H360FD (May Ingestion or ab and mucous m Death has occ	is classified as hazardous for reproductive and develop damage fertility. May damage the unborn child) in the l psorption may cause nausea, diarrhea, abdominal cran nembranes, circulatory collapse, tachycardia, cyanosis, ured from <5 g in infants and from 5 to 20 g in adults. I ht loss, gastrointestinal irritation, vomiting, mild diarrho	HCIS (Safe Work Australia). nps, erythematous lesions on skin delirium, convulsions and coma. Prolonged absorption can result in			
Mutagenicity	and anaemia. Chronic use m	May cause kidney damage. ay cause borism - dry skin, eruptions and gastric distur f mutagenic effects.				
Other Information		build NOT be handled by pregnant staff.				
12. Ecological in	formation	·				
Information on Ecological Effects		problems are to be expected when the product is hand	led and used with due care and			
13. Disposal cor	siderations					
Disposal Considerations	Whatever cann	not be saved for recovery or recycling should be handle cording to relevant local, state and federal government				
Considerations	uisposed of ac	coronny to relevant local, state and lederal governmen	เ าอุนเลเบทร.			

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14. Transport inf	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.				
15. Regulatory in	nformation				
Regulatory	All of the significant ingredients in this formulation are compliant with NICNAS regulations.				
Information Poisons Schedule	S5				
16. Other Inform	ation				
Literature References	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.				
	National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007. Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous				
	Chemicals', 2011.				
	Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.				
	Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'. Safe Work Australia, 'Hazardous Substances Information System, 2005'.				
	Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.				
	Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.				
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. Australian Chemical Reagents (ACR) 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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