



## Material Safety Data Sheet

Issue Date: July 21, 2011

Product Name: Natural Water Purifier

Hazardous substance, NON – Dangerous Goods

Active Constituent: CHITOSAN

### COMPANY DETAILS

Company Name	HYCLOR AUSTRALIA PTY LTD
Address	Suite 5.01, 15 Orion Road, Lane Cove NSW 2066
Tel/Fax	(02) 9498 2925 (02) 9498 4329

### PHYSICAL DATA

Appearance	Clear light green liquid with mild vinegar odour
Solubility in water	Soluble
Specific Gravity (20° )	approx 1.02
Relative Vapour Density (air=1)	>1
Vapour Pressure (20° )	2.37 kPa
Flash Point (° C)	N/A
Flammability Limits (%)	N/A
Autoignition Temperature (° C)	N/A
Melting Point/Range	approx 0
Boiling Point/Range	approx 100
pH	4.8
Moisture content (%)	N Av
Molecular formula	N Av

### HAZARDS IDENTIFICATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods (ADG Code) for transport by Road or Rail

Large Spills	Slippery when spilt. Avoid accidents, clean up immediately. Wear protective clothing and equipment to prevent skin and eye contamination and the inhalation of vapours. Increase ventilation. Contain – prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labeled containers for disposal. If contamination of sewers or waterways occurs advise local emergency services.
Small Spills	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent cloth or paper towels. Allow absorbent to dry before disposing with normal household garbage.

## HANDLING AND STORAGE

Handling	Avoid eye contact and repeated or prolonged skin contact
Storage	Store in a cool, dry, well-ventilated place and out of direct Sunlight. Store away from incompatible materials described in Section 10. Keep containers closed when not in use.

## PERSONAL PROTECTION

Engineering measures	Natural ventilation should be adequate under normal use conditions.
Personal protection Equipment	Overalls, safety shoes, safety glasses, gloves.  Wear overalls, safety glasses and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Inhalation	May be irritant to mucous membranes and respiratory tract.
Skin contact	Repeated or prolonged skin contact may lead to irritation.
Eye contact	May be an eye irritant.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.

## FIRST AID MEASURES

Inhalation	Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Keep at rest until fully recovered. Seek medical advice if effects persist.
Skin contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye contact	If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Ingestion	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Seek medical advice.

## FIRE FIGHTING MEASURES

Specific Hazards	Non-combustible material
Fire Fighting	Not combustible, however evaporation of aqueous component residual material can burn if ignited. On burning may emit toxic fumes. Fire fighters wear self contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Hazchem Code	Not applicable
Extinguishing Media	Not combustible, however, if material is involved in a fire use water fog, fine water spray, foam dry agent.

<b>CONTACT POINT</b>
----------------------

Contact	Any advice, recommendation, information, assistance, or Service provided by Hy-Clor Australia in relation to the goods supplied by it or their use or application is given in good faith and believed to be appropriate and reliable. However, it is provided with a disclaimer for any liability on the part of Hy-Clor Australia Pty Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products. All warranties, guarantees and conditions, other than those expressly stated, and whether implied by statute, common law, custom of the trade otherwise, are to the extent that the law permits expressly excluded.
---------	---

Mark Sheridan  
Technical Regulations Manager  
Telephone: (02) 9498 2925