

**MATERIAL SAFETY DATA SHEET**

Revised Date:	October 2004
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Classified as hazardous according to criteria of Worksafe Australia

**COMPANY DETAILS**

<b>Company Name</b>	Chemwell Products Pty Ltd (ABN 29 060 847 538)
<b>Address</b>	3 Clive Street, Springvale Vic 3171
<b>Phone/Fax</b>	Ph: +61 3 9558 5678 Fax: +61 3 9562 4360
<b>Emergency Telephone</b>	13 11 26 Poison Information Centre (National), 000 Police, Fire, Ambulance
<b>Email</b>	rkiwerc1@iinet.net.au

**IDENTIFICATION**

<b>Product Code</b>	2-03-04
<b>Product Name</b>	Sodium Hypochlorite Solution 12.5%
<b>Other Name</b>	Bleach 12.5%, Swimming Pool Chlorine
<b>Shipping Name</b>	Sodium Hypochlorite Solution, Bleach (liquid), Pool & Spa Chlorine (Bleach 12.5%)
<b>UN Number</b>	1791
<b>DG Class</b>	8
<b>Packaging Group</b>	III
<b>Hazchem Code</b>	2X
<b>Poisons Schedule</b>	S5
<b>Product Use</b>	Bleach and steriliser

**Physical Data**

<b>Appearance</b>	A pale, yellow liquid with a faint odour of chlorine
<b>Boiling Point</b>	Approx. 100°C
<b>Vapour Pressure</b>	Not Tested
<b>Specific Gravity</b>	Approx. 1.2
<b>Flash Point</b>	Not Flammable
<b>Flammable Limit LEL</b>	Not Required

**Other Properties**

<b>PH Value</b>	11.0-12.0
<b>Form</b>	Liquid
<b>Solubility</b>	Soluble in water

**Ingredients**

Ingredients	Name	CAS	Proportion g/L
	Sodium Hypochlorite 12.5%	7681-52-9	135
	Water	7732-18-5	(BALANCE)

**HEALTH HAZARD INFORMATION****Health Effects**

<b>Acute Swallowed</b>	Swallowing may cause severe irritation and corrosion of the mucous membranes of the mouth, throat and gastrointestinal tract with pain, inflammation and vomiting. Systemic effects include fall of blood pressure, delirium and coma.
<b>Acute – Eye</b>	Causes severe eye irritation. Highly corrosive to eyes. Contact with eyes could possibly cause permanent damage.
<b>Acute – Skin</b>	Contact with skin may cause moderate irritation. Repeated or prolonged skin contact may result in irritant contact dermatitis or skin burns.
<b>Acute – Inhaled</b>	Not normally an inhalation risk due to low vapour pressure at ambient temperatures. Inhalation of mists or aerosols will result in respiratory irritation followed by pulmonary oedema.
<b>Chronic</b>	No effects have been reported following long-term exposure to Sodium Hypochlorite.

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### First Aid

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<b>Swallowed</b>	If conscious, immediately rinse mouth with water and give water to drink. DO NOT induce vomiting. Seek immediate medical assistance. Do not give liquids to an unconscious person.
<b>Eye</b>	Immediately irrigate eye with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek medical assistance.
<b>Skin</b>	Wash affected area with large amounts of water immediately. Remove any contaminated clothing and wash before re-use. Seek medical advice if pain or irritation persists.
<b>Inhaled</b>	Remove victim from exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured ensure airways are clear and administer oxygen. If breathing has stopped apply artificial respiration at once. Seek immediate medical assistance.
<b>First Aid Facilities</b>	Standard first aid facilities

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### Advice to Doctor

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<b>Advice to Doctor</b>	Treat symptomatically. Do not use acid antidotes in the treatment of sodium hypochlorite poisoning. Sodium thiosulphate immediately reduces hypochlorite to non-toxic products but may produce hydrogen sulphide in contact with acids.
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### Other Health Hazard Information

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### PRECAUTION FOR USE

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<b>Exposure Limits</b>	None assigned by Work safe Australia. Decomposition product, Chlorine T.W.A. 0.3mg/m <sup>3</sup> (1ppm)
<b>Engineering Control</b>	Ensure ventilation is adequate and that air concentrations of chlorine (decomposition product) are below exposure standard. Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
<b>Other Information</b>	

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### Personal Protection

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<b>Protective Equipment</b>	Wash hands before eating, drinking or using the toilet. Avoid skin and eye contact. <b>Eye Protection:</b> Use chemical splash goggles/glasses or face shield. <b>Skin Protection:</b> PVC or rubber gloves
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### Flammability

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<b>Fire Hazards</b>	Non-flammable
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### SAFE HANDLING INFORMATION

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### Storage and Transport

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<b>Storage &amp; Transport</b>	Classified as a Class 8 Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Store in a cool, dry, well-ventilated place away from direct sunlight. Store away from acids, combustible material and foodstuffs. Keep containers closed at all times – check regularly for leaks. Containers must be carefully vented to release any pressure build-up. Transport and store upright with vent at top.
<b>Proper Shipping Name EPG Number</b>	Sodium Hypochlorite Solution N / A

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### Spills and Disposals

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<b>Spills &amp; Disposal</b>	When spilt the surface will become slippery, so take care to avoid accidents. Isolate the leaking containers and stop the leak if safe to do so. Absorb the spill using an absorbent such as earth, sand or similar absorbing material. Collect and seal the product into properly labelled drums ready for disposal. All clean up staff must wear protective equipment such as safety goggles/glasses and gloves. For disposal refer to the State Waste Authority. Empty containers must be decontaminated.
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### Fire/Explosion Hazard

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<b>Fire/Explosion Hazard</b>	Not considered to be a fire hazard. Can be decomposed upon heating to liberate toxic fumes. Remove containers from path of fire if safe to do so. Keep containers cool with water spray. <b>EXTINGUISHING MEDIA:</b> Water fog (or if unavailable fine water spray), foam, carbon dioxide or dry chemical powder.
<b>Hazchem Code</b>	2X

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### OTHER INFORMATION

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<b>Information on Ecological Effects</b>	Avoid contaminating waterways.
<b>RISK &amp; SAFETY PHRASES</b>	<p><b>S1/2</b> Keep locked up and out of reach of children.</p> <p><b>S24/25</b> Avoid contact with skin and eyes</p> <p><b>S26</b> In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p> <p><b>S28</b> After contact with skin wash immediately with plenty of soap-suds</p> <p><b>S39</b> Wear eye and face protection</p> <p><b>S50</b> Do not mix with acid</p> <p><b>R41</b> Contact with acids liberates toxic gas</p> <p><b>R34</b> Causes burns</p>
<b>Packaging &amp; Labelling</b>	This product contains a schedule poison (S5) and therefore must be maintained in accordance with State Poisons Act. Defined as a 'Dangerous Good' by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Hazard Category</b>	Corrosive

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### CONTACT POINT

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TELEPHONE	ORGANISATION	LOCATION	ASK FOR
+61 3 9558 5678 13 11 26 000	Chemwell Products Pty Ltd Poison Information Centre Fire, Police, Ambulance	Springvale, VIC National National	Technical Officer

This MSDS summarises 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.

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**End of MSDS**

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