



# MATERIAL SAFETY DATA SHEET

## ALL CLOR BLEACH

Issue Date September 2007

Classified as non hazardous according to criteria of NOHSC

### COMPANY DETAILS

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Every endeavor has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control.

### IDENTIFICATION

**Product Name:** Sodium hypochlorite 4%  
**Other Names:** Bleach  
**Manufacturer's Product Code:** Not applicable  
**UN Number:** Not applicable  
**Dangerous Goods Class and Subsidiary Risk:** Not applicable  
**Hazchem Code:** Not applicable  
**Poisons Schedule No.:** Not applicable  
**Use:** Bleaching agent. Purification of water,  
Pharmaceutical's, Fungicide, Household bleach

### Physical Description/Properties:

**Appearance:** Clear colourless to pale yellow liquid. Distinctive odour.  
**Boiling Point/Melting Point:** Decomp  
**Vapour Pressure:** Not available  
**Specific Gravity:** approx 1.1  
**Flashpoint:** None  
**Flammability Limits:** No data  
**Solubility in Water:** Not available

### Other Properties:

**Molecular Weight:** 74.44  
**Ph:** Alkaline

## Ingredients:

Chemical Entity	Cas No	Proportion
Sodium Hypochlorite Water to make total of 100%	7681-52-9	< 4%

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## HEALTH HAZARD INFORMATION

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### Health Effects:

#### Acute

<b>Swallowed:</b>	Low systemic toxicity, likely to cause nausea, vomiting and diarrhoea.
<b>Eye:</b>	May be an eye irritant. May cause soreness. May cause watering of eyes.
<b>Skin:</b>	Practically non-harmful. Repeated or prolonged skin contact may lead to irritation. Contact with skin may result in irritation.
<b>Inhaled:</b>	May cause irritation to the nose and throat. Practically non-harmful by inhalation.
<b>Chronic</b>	None known.

### First Aid

<b>Advice</b>	For advise, contact a Poisons Information Centre (Phone eg. Australia 13 11 26; New Zealand 03 4747 000 [Not after May 2005] or 0800 764 766 or a doctor at once).
<b>Swallowed</b>	Give water to drink. DO NOT induce vomiting. Seek medical advice if effects persist. Not considered a feature of normal use.
<b>Eyes</b>	Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.
<b>Skin</b>	Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
<b>Inhaled</b>	Seek medical advice if effects persist. Not considered a feature of normal use.

### Advice to Doctor:

Treat symptomatically.

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## PRECAUTIONS FOR USE

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- Exposure Standards:** None assigned by Worksafe Australia. Decomposition product, Chlorine TLV:  
3 mg/m<sup>3</sup>, 1 ppm (ceiling values), under review. Ceiling Value - Is the concentration that should not be exceeded even instantaneously.
- Engineering Controls:** Maintain concentration below recommended exposure limit.  
Use with adequate ventilation.  
Use in a well ventilated area.  
Keep containers in a well ventilated area.
- Personal Protection:** The following personal protective equipment should be worn when handling the concentrated solution.  
Plastic or rubber gloves.  
Always work in a well ventilated area.  
Wash contaminated clothing before storing/re-using.  
Avoid skin and eye contact.  
Avoid inhaling the vapour or mist.
- Flammability:** Non flammable.

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## SAFE HANDLING INFORMATION

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- Storage and transport:** Store in cool place and out of direct sunlight.  
Store in well ventilated area.  
Store away from organic materials.  
Store away from sources of heat or ignition.  
Keep containers closed at all times.
- Spills And Disposals:** Keep containers securely sealed and protected against physical damage.  
Isolate leaking containers and stop leak if safe to do so.  
Flush small spills to drain, contain large ones.  
Wear protective clothing, gloves and safety glasses. (See Personal Protection/Ventilation Section).  
Observe local regulations.  
Refer to appropriate State Waste Disposal Authority.
- Fire/Explosion Hazard:** Decomposes on heating emitting toxic fumes.  
Heating can cause expansion or decomposition leading to violent rupture of containers.  
Keep containers cool with water spray.  
Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.
- Hazardous decomposition products:** Hydrogen Chloride  
Hydrogen Chloride  
Stay away from end of fire exposed tanks and drums.  
Extinguish fire with the following: Use water fog or water spray.

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### OTHER INFORMATION

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Reacts vigorously with acids producing dangerous levels of gaseous chlorine. Reacts with metal salts, peroxides and reducing agents.

**Environment:** Breaks down in sunlight.

**Other Precautions:** Liquid may damage cloth materials. Contamination of product and exposure to light and heat will accelerate decomposition. Store container upright.

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### CONTACT POINT

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<b>ORGANISATION</b>	<b>TELEPHONE</b>	<b>ASK FOR</b>
Poisons Information Centre – Australia Wide	131126	
SIERRA AUST Pty Ltd	+61-(0)7-32165099	Glyn McDonald
Fire Brigade	000	Fire Brigade
Police	000	Police

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