

# MATERIAL SAFETY DATA SHEET

CUSTOM CHEMICALS INTERNATIONAL PTY LTD

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103-107 Potassium Street, Narangba QLD 4504

Telephone: 07 3204 8300

Facsimile: 07 3204 8311

## PRODUCT : HI-CHLOR HOUSEWASH

CLASSIFIED AS HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA.

Product Code: 0050500

Other names: N/A

UN Number: 1791	Shipping Name: Hypochlorite Solution
Hazchem Code: 2R	DG Class : 8
Subsidiary Risk: None allocated	Poison Schedule: S5
Packaging Group: III	

### PHYSICAL DESCRIPTION/PROPERTIES

Use:	To remove algae, mould, moss and fallout from concrete driveways, walkways, paths, exterior paintwork, roofing, etc.		
Appearance :	Pale yellow liquid	Odour :	Chlorine
Specific Gravity:	1.20	Vapour Pressure:	Not determined
Solubility in water:	Complete	Flash Point :	Not applicable
Boiling/Melting Points:	100	Flammability Limits :	Not applicable
Other Properties:	Available Chlorine 10.0 – 10.5%	pH :	> 12.5

### INGREDIENTS

Chemical	CAS Number	Proportion (w/v)
Sodium Hypochlorite	7681-52-9	10.0%
Sodium Chloride	7647-14-5	< 10%
Sodium hydroxide	1310-73-2	< 10%
surfactants	various	< 10%
Water	7732-18-5	>60%

### FIRST AID:

<b>Swallowed:</b>	Do not induce vomiting. Thoroughly rinse mouth with water. Give plenty of water or milk to drink. If vomiting occurs, give further water and seek immediate medical attention.
<b>Eye:</b>	Immediately irrigate with copious quantities of water for at least 15 minutes, holding eyelids open. Seek immediate medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing and wash affected area with soap and water. If swelling, blistering or irritation occurs, seek assistance.
<b>Inhaled:</b>	Remove from exposure, to fresh air and keep at rest until fully recovered. Avoid becoming a casualty. If recovery not complete, seek medical attention.
<b>First Aid Facilities:</b>	No special requirements
<b>Advice to Doctor:</b>	Treat symptomatically. Do not use antidotes in the treatment of poisoning. Sodium thiosulphate reduces hypochlorite to non-toxic products but may produce hydrogen sulphide in contact with acid.

### WORKSAFE AUSTRALIA CLASSIFICATION

CATEGORY :	CORROSIVE
RISK PHRASES :	R31 Contact with acids liberates toxic gas. R34 Causes burns R41 Risk of serious damage to eyes.
SAFETY STATEMENT:	S2 Keep out of reach of children. S28 After contact with skin, wash immediately with plenty of soap and water. S50 Do not mix with acids.

**PRODUCT: HI – CHLOR HOUSEWASH**

**HEALTH EFFECTS**

**ACUTE:**

- Swallowed:** Causes severe irritation and corrosion of the mucous membranes of the mouth, throat and gastrointestinal tract, with inflammation and vomiting.
- Eye:** The undiluted product is a severe eye irritant. Prolonged contamination of eyes can result in permanent injury. Corrosive to eyes; contact can cause corneal burns.
- Skin Contact:** Moderate irritation. May cause skin burns on prolonged contact. Dermatitic effects may also occur.
- Inhaled:** Not normally an inhalation risk due to low vapour pressure at ambient temperatures. Inhalation can produce respiratory irritation.

**CHRONIC:** No effects have been reported following long term exposure to Sodium Hypochlorite.

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**PRECAUTIONS FOR USE:**

- Exposure Standards:** TWA 1ppm (3mg/m<sup>3</sup>) for chlorine (decomposition product) as assigned by the National Health and Medical Research Council or by the National Occupational Health and Safety Commission (Worksafe Australia).
- Engineering Controls:** Natural ventilation should be adequate under normal conditions.
- Personal Protection:** Use good Occupational work practice. The use of protective clothing and equipment depends on the degree and nature of exposure. Wear impervious gloves, goggles and overalls. Always wash hands before smoking, eating, drinking or using the toilet.
- Flammability:** Non-combustible liquid.
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**SAFE HANDLING INFORMATION:**

- Storage and Transport:** Dangerous Good class 8 by the Australian Code for the Transport of Dangerous Goods by Rail and Road. Do not load with class 1, 4.3, 5.1, 5.2, 7. Store in a cool, dry place. Keep lid of container closed when not in use. This substance is scheduled poison S5.
- Spills and Disposal:** Mop up or soak up with absorbent material. Small spills may be rinsed away with water. Large spills should not be discharged into sewer systems. Allow controlled access to drain accompanied by suitable neutralizing agents such as sodium metabisulphite or sodium thiosulphate and a large excess of water.
- Fire/Explosion:** Non combustible material. Can decompose upon heating liberating toxic fumes. Keep containers cool with water spray. Wear self contained breathing apparatus.
- Other information:** Fire extinguishing media: water fog, foam, dry agent.
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**CONTACT POINT: Industrial Chemist - phone: 07 3204 8300**

This material safety data sheet is compiled from the best information currently available to the company. The company accepts no responsibility for the accuracy of the information contained in this data sheet, or any results obtained by customers or end-users. Good industrial hygiene should always be used when handling chemicals.

**END OF MSDS**