



Safety Data Sheet

24TH AUGUST 2016

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	HY-CLOR LIQUID CHLORINE
Shipping Name:	Sodium Hypochlorite Solution (13%)
Product Code:	HYCLIQCHL05X4-5L, HYCLIQCHL125-12.5L, HYCLIQCHL150-15L
UN Number:	UN1791
Other Names:	N/A
Recommended Use of the Chemical and Restrictions on Use:	Swimming Pool disinfectant and Sanitiser
Chemical Formula:	NaClO
Supplier:	HY-CLOR AUSTRALIA PTY LTD
Street Address:	178 Power Street Glendenning NSW 2761
Telephone Number:	02 8805 2400
After Hours Contact:	0404 859 515
Facsimile:	02 8805 2401
Email Contact:	help@hyclor.com.au
Emergency Telephone:	13 11 26 (Australia Poisons Information Centre) New Zealand 0800 764 766

2. HAZARDS IDENTIFICATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; DANGEROUS GOODS.

Poison Schedule: S5 Caution

This material is hazardous according to Safe Work Australia; HAZARDOUS SUBSTANCE.

Classification of the substance or mixture:

Eye Damage: Sub Category 1

Skin Corrosion /Irritation – Cat 1C

Acute Hazard to Aquatic Environment – Category 1

SIGNAL WORD: DANGER



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Hazard Statement(s):

This material is hazardous according to health criteria on NOHSC Australia

H314: Causes Skin Burn and Eye Damage

H400: Very Toxic to Aquatic Life

Precautionary Statement(s):

Prevention:

P260: Do not breathe mist vapours etc.

P102: Keep out of reach of Children

P264: Wash hands thoroughly after handling

P273: Avoid release to the environment

P280: Wear Protective gloves/clothing/eye protection/face protection

Response:

P301+P330+P331: If Swallowed Rinse mouth, Do not induce vomiting

P303+P361+P353: If on skin or hair, take off immediately all contaminated clothing. Rinse Skin with water.

P363: Wash contaminated clothing before reuse.

P310: Call Poison Centre/Doctor

P305+P351+P338: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinse.

P391: Collect spillage

Disposal:

P501: Dispose of contents/container in accordance with local/regional/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion
Sodium Hypochlorite	7681-52-9	10%-<30 %
Water	7732-18-5	>60 %

4. FIRST AID MEASURES

General

Keep Victim warm and quiet. Obtain immediate medical care. Ensure that attending medical personnel are aware of the identity and nature of the product involved, and take precautionary measures to protect themselves.

Ingestion

DO NOT INDUCE VOMITING. Rinse mouth with water and then give plenty of water to drink. Seek medical attention if large amounts ingested. Call Poison Centre 13 11 26



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Eye	If in eye(s) wash with large amounts of water for approximately 15 minutes holding eyelid(s) open. Seek medical attention immediately.
Skin	Remove contaminated clothing and wash skin thoroughly decontaminate clothing before re-use or discard. If swelling, redness, blistering or irritation occurs seek medical advice.
Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through face mask if breathing is difficult. If victim has stopped breathing begin artificial respiration, or if heart has stopped, cardiopulmonary resuscitation. Seek immediate medical attention.
First Aid Facilities	Eye wash and normal washroom facilities. First Aid Kit.
Advice to Doctor	Treat symptomatically
Medical Conditions that may Be Aggravated by Exposure	Asthma and respiratory and cardiovascular disease.

5. FIRE FIGHTING MEASURES

Hazchem Code	2X
Extinguishers	Fine Water Spray, Normal Foam. Dry Agent (Carbon Dioxide, Dry Chemical Powder)
Fire Fighting Procedures	Wear self-contained breathing apparatus (SCBA) and protective clothing.
Hazardous Decomposition	Decompose on heating emitting fumes.
Other precautions	Keep away from children.

6. ACCIDENTAL RELEASE MEASURES

Spills	Evacuate all unnecessary personnel. Wear protective clothing as specified in the Personnel Protection section of the SDS. Slippery when spilt Clean up immediately. Wear PPE to avoid vapour and skin contact. Work up wind or increase ventilation. Use absorbent (soil or sand). Collect and seal in properly labelled containers or drums for disposal. If large quantities of the material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact and inhalation of vapour. Wear appropriate protective equipment and clothing. Use in a well ventilated area. Avoid spillage onto floor. Keep containers closed when not in use. Maintain personal hygiene by washing hands prior to eating, drinking, smoking or using toilet. Keep out of the reach of children.
Storage	Store in a cool, dry, well ventilated area, out of direct sunlight. Store in suitable, labelled containers. Avoid any dust build-up by frequent cleaning and suitable construction of storage area. Keep storage separated from work areas. Inspect periodically for deficiencies such as damage or leaks. Store away from foodstuffs

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards	No ingredients in this product have exposure standards, as outlined in the standard <i>Exposure Standards for Atmospheric Contaminants in the Occupational Environment</i> third edition, published by the National Occupational health and Safety Commissions/AGPS, 1995. However decomposition standards Chlorine: Peak Limitation: 3 mg/m ³ (1 ppm)
Engineering Measures	Avoid generating and inhaling vapours. Use in a well ventilated area only. Keep containers in a well-ventilated area. Local exhaust ventilations system may be required, especially if chlorine gas evolved.
Personal Protection Equipment	
Clothing	Suitable protective clothing should be worn e.g. cotton overalls and safety shoes.
Skin Protection	Impervious PVC or rubber gloves should be worn.
Eye Protection	Safety glasses with side shields or goggles should be worn.
Respiratory Protection	If inhalation risk exists, wear respirator meeting the requirements of AS/NZS251716.
Personal Hygiene	Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid Pale Yellow appearance, Chlorine like odour
Boiling Point	N/A
Freezing/Melting Point	N/A
Vapour Pressure	N/A
Specific Gravity	N/A
Flash Point	N/A

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Upper Flammability Limit	N/A
Lower Flammability Limit	N/A
Solubility in Water	Miscible in Water
pH	12.5 (1% w/w)

10. STABILITY AND REACTIVITY

Reactivity:	Avoid Contact with acids generates toxic gas
Chemical Stability	Stable under normal ambient and anticipated storage and handling conditions of temperate and pressure. The amount of available chlorine diminishes over time.
Conditions to Avoid	Avoid high temperatures, contact with Food or Acids.
Incompatible Material	Incompatible with acids, metals, metal salts, peroxides, reducing agents, ethylene diamine tetraacetic acid, incompatible with ammonia and ammonium compounds such as amines and ammonium salts.
Hazardous Decomposition Products	Chlorine

11. 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:

Acute Effects	
Swallowed	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Skin	Harmful in contact with skin. Corrosive to skin – may cause burns. Dermal exposure can cause severe irritation and/or burns characterised by redness, swelling and scab formation.
Eye	Causes burns and is a severe eye irritant. Contact may cause impairment of vision or corneal damage.
Inhaled	Breathing in mists or aerosols may produce respiratory irritation. Delayed
Long Term Effects	Prolonged skin exposure may cause destruction of the dermis with impairment of the skin at site of contact to regenerate.
Acute Toxicity:	No LD50 data available for the product. For the constituent Sodium Hypochlorite Oral LD50 (mice): 5800 mg/Kg



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12. ECOLOGICAL INFORMATION

Highly toxic to aquatic life.

Avoid contaminating waterways. Breaks down in sunlight.

48 hr LC50 (fish) 0.07 - 5.9 mg/L (for Sodium Hypochlorite)

This material is Biodegradable

13. DISPOSAL CONSIDERATIONS

Disposal Methods and Containers Dispose of according to relevant local, state and federal government regulations.

Special Precautions for Landfill Contact a specialist disposal company for landfill.

14. TRANSPORT INFORMATION

UN Number 1791
Land Transport ADG
UN Proper Shipping Name Sodium Hypochlorite
Dangerous Goods Class 8 Corrosive
Packing Group III
Hazchem Code 2X

Special Precaution to User This material is classified as 8 Corrosive according to the Australian Code for the Transport of Dangerous Goods.

15. REGULATORY INFORMATION

This material is hazardous according to Safe Work Australia. Hazardous Substance.

Poisons Schedule (Aust) S5 Caution

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS)

WHS Act and Regulation 2011

16. OTHER INFORMATION

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, this information is given without warranty or representation. The customer accepts all risk and responsibility for use of the goods alone, or in combination with other products.

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