CANNING POOL & PUMP CENTRE

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FOCUS LIQUID CHLORINE

Other Means of Identification: Mixture
Other Name: Sodium hypochlorite

Recommended Use of the Chemical and Restriction on Use: Sanitiser and bleaching agent.

Details of Manufacturer or Importer:
Canning Laboratories Pty. Ltd
Unit 4 / 213 Railway Avenue
Kelmscott WA 6111

Phone Number: (08) 9390 7040

Emergency telephone number: 0410467404 (A/H)

2 . HAZARDS IDENTIFICATION

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).


corrosion

Skin Corrosion/Irritation 1B	H314	Causes severe skin burns and eye damage.
Serious Eye Damage/Irritation 1	H318	Causes serious eye damage.


environment

Aquatic Acute 1	H400	Very toxic to aquatic life.
Aquatic Chronic 1	H410	Very toxic to aquatic life with long lasting effects.

Signal Word Danger

Hazard Statements
H314 Causes severe skin burns and eye damage.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P264	Wash hands thoroughly after handling.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see on this label).
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P363	Wash contaminated clothing before reuse.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P391	Collect spillage.
P405	Store locked up.

(Contd. on page 2)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

Product Name: FOCUS LIQUID CHLORINE

(Contd. of page 1)

P501 Dispose of contents/container in accordance with local/regional/national regulations.
Additional Information AUH031 Contact with acids liberates toxic gas.

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

7681-52-9	Sodium hypochlorite, solution Skin Corrosion/Irritation 1A, H314; Aquatic Acute 1, H400	10 - <30%
1310-73-2	Sodium hydroxide (Na(OH)) Skin Corrosion/Irritation 1A, H314	<1%

4 . FIRST AID MEASURES

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap for at least 15 minutes. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation and pulmonary oedema.
Skin Contact: Causes severe skin burns and irritation.
Eye Contact: Causes serious eye damage and corneal burns. May cause permanent eye damage.
Ingestion: May cause chemical burns to the gastrointestinal tract, abdominal pain, nausea, vomiting and diarrhoea.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog or spray, foam, dry chemical powder or carbon dioxide.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include toxic fumes. Contact with water liberates toxic gas.
Product is not combustible.
Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear approved respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

(Contd. on page 3)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

Product Name: FOCUS LIQUID CHLORINE

(Contd. of page 2)

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Wash spill areas with excess water.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Do not store in direct sunlight. Protect from heat, sparks, open flames and other sources of ignition. Contact with water liberates toxic gas. Keep away from reducing agents, acids, metals, metal salts, peroxides and water.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:

1310-73-2 Sodium hydroxide (Na(OH))

WES	Peak limitation: 2 mg/m³

Engineering Controls:
Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:
Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Impervious elbow-length gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Liquid
Colour:	Pale yellow-green
Odour:	Slight chlorine
Odour Threshold:	No information available
pH-Value:	12.5 (1% w/w)

(Contd. on page 4)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

Product Name: FOCUS LIQUID CHLORINE

(Contd. of page 3)

Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	No information available
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Relative Density at 20 °C:	1.2
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Miscible
Partition Coefficient (n-octanol/water):	No information available

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid:
Heat, sparks, open flames and other sources of ignition.
Contact with water liberates toxic gas.

Incompatible Materials: Reducing agents, acids, metals, metal salts, peroxides and water.

Hazardous Decomposition Products: Toxic fumes.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD_{50}/LC_{50} Values Relevant for Classification:		
7681-52-9 Sodium hypochlorite, solution		
Oral	LD_{50}	5800 mg/kg (mouse)
1310-73-2 Sodium hydroxide (Na(OH))		
	LD_{50}	1400 mg/kg (rat) (Intraperitoneal)
Oral	LD_{50}	2000 mg/kg (rat)

Acute Health Effects
Inhalation: May cause respiratory irritation and pulmonary oedema.
Skin: Causes severe skin burns and irritation.
Eye: Causes serious eye damage and corneal burns. May cause permanent eye damage.
Ingestion:
May cause chemical burns to the gastrointestinal tract, abdominal pain, nausea, vomiting and diarrhoea.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity: This product does NOT contain any IARC listed chemicals.

(Contd. on page 5)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

Product Name: FOCUS LIQUID CHLORINE

(Contd. of page 4)

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

Additional toxicological information: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: Expected to be harmful to terrestrial species.

Aquatic toxicity:
Very Toxic to aquatic life with long lasting effects.

LC_{50}	0.07 - 5.9 mg/L (fish)

Persistence and Degradability: Product is biodegradable.

Bioaccumulative Potential: No further relevant information available.

Mobility in Soil: No further relevant information available.
Other adverse effects: No further relevant information available.

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number	
ADG, IMDG, IATA	UN1791
Proper Shipping Name	
ADG	HYPOCHLORITE SOLUTION, ENVIRONMENTALLY HAZARDOUS
IMDG	HYPOCHLORITE SOLUTION, MARINE POLLUTANT
IATA	HYPOCHLORITE SOLUTION
Dangerous Goods Class	
ADG Class:	8 Corrosive substances.
Packing Group:	
ADG, IMDG, IATA	III
Marine pollutant:	Yes Symbol (fish and tree)
EMS Number:	F-A,S-B
Hazchem Code:	2X

(Contd. on page 6)

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 21.12.2016 Revision: 21.12.2016

Product Name: FOCUS LIQUID CHLORINE

(Contd. of page 5)

Special Provisions:	223
Limited Quantities:	5L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP2, TP24

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7681-52-9	Sodium hypochlorite, solution
1310-73-2	Sodium hydroxide (Na(OH))
7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 5

16 . OTHER INFORMATION

Date of Preparation or Last Revision: 21.12.2016

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
ADG: Australian Dangerous Goods
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC_{50}: Lethal concentration, 50 percent
LD_{50}: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A
Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

Disclaimer
This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"
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