

# SAFETY DATA SHEET

## POOL SHOP LIQUID POOL CHLORINE

Infosafe No.: 1HH07  
ISSUED Date : 12/08/2021  
ISSUED by: CULBEAG HOLDINGS Pty Ltd

CLASSIFIED AS HAZARDOUS

### 1. IDENTIFICATION

---

**GHS Product Identifier**

POOL SHOP LIQUID POOL CHLORINE

**Company Name**

CULBEAG HOLDINGS Pty Ltd (ABN 95 007 197 079)

**Address**

19 Allied Drive Tullamarine  
VIC AUSTRALIA

**Telephone/Fax Number**

Tel: 03 9335 4400

Fax: 03 9335 1750

**Emergency phone number**

03 9335 4400

**Emergency Contact Name**

Mr Ian Cameron

**E-mail Address**

sales@culbeag.com.au

**Recommended use of the chemical and restrictions on use**

FOR CONTROL OF BACTERIA, VIRUSES and PROTOZOA in SWIMMING POOLS. Do NOT mix with other chemicals. Do NOT mix with other chlorinating chemicals.

### 2. HAZARD IDENTIFICATION

---

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations Australia.

Skin Corrosion - Sub category 1B;

Eye Damage - Category 1; and

Specific Target Organ Toxicity (single exposure) - Category 3

Product suppliers also advise:-

Acute aquatic toxicity - Category 1; and

Chronic aquatic Toxicity - Category 1.

Classified as Dangerous Goods, Class 8, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail as amended.

Scheduled as a Scheduled 5 Poison in National Poisons Standard.

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

H290 May be corrosive to metals.

Advisory Hazard Statement:- H410 Very toxic to aquatic life with lasting effects.

## Pictogram (s)

Corrosion, Exclamation mark, Environment



### Precautionary statement – Prevention

P104 Read Safety Data Sheet before use.

P234 Keep only in original container.

P260 Do not breathe mist, vapours or spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Precautionary statement – Response

P301+P330+P331 If SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 If INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

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 POISONS CENTER or doctor/physician.

P321 Specific treatment (see First Aid measures in Section 4 of this Safety Data Sheet or on label of this product).

P363 Wash contaminated clothing before re-use.

### Precautionary statement – Storage

H403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up when not in use.

P406 Store in a corrosion resistant container or in a container with a corrosion resistant liner.

### Precautionary statement – Disposal

P501 Dispose of contents/container in accord with State, Territorial or Commonwealth regulations.

### Supplemental Information

Other Hazards:

AUH031 Contact with acids liberates toxic gas.

### Other Information

In AUSTRALIA, the POISONS CENTER is the National POISONS INFORMATION CENTRE; TELEPHONE 13 11 26.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients

Name	CAS	Proportion
Sodium Hypochlorite	7681-52-9	13-14 %
Sodium Hydroxide	1310-73-2	0-1 %
Water	7732-18-5	Balance to 100%

## 4. FIRST-AID MEASURES

### Inhalation

Move people from contaminated area immediately, but avoid injury to yourself. Observe patient(s). If patient(s) not breathing, loosen clothing, remove contaminated clothing. Apply artificial respiration. Keep at rest in a position most comfortable for patient. If breathing is difficult oxygen can be given by a suitably trained/qualified person. Obtain immediate medical attention or transport to an emergency hospital promptly.

### **Ingestion**

DO NOT give fluids by mouth or induce vomiting if patient is unconscious or having convulsions. If swallowed DO NOT induce vomiting. If conscious and alert give 1 or 2 glasses of water to rinse mouth; then give a glass of water to drink. Promptly obtain medical advice promptly or transfer to an emergency hospital or a medical centre.

### **Skin**

If skin and/or hair contact occurs remove contaminated clothing and foot wear. Wash skin and hair thoroughly with running water e.g a shower. Seek medical attention immediately or transfer to an emergency hospital. Wash contaminated clothing thoroughly before re-use.

### **Eye contact**

If in eye(s), hold eyelid(s) apart, and flush the eye and skin around eyes with running water. Remove contact lenses, if fitted, before flushing with water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor or for at least 15 minutes. Seek medical attention urgently. Consult a doctor. Transport promptly to an emergency hospital or medical centre.

### **First Aid Facilities**

An eye wash unit, a shower and drinking quality water should be readily accessible in the work area for swimming pool and spa cleaning contractors or be adjacent to the swimming pool or spa in the domestic environment. Mild soap should be available to aid washing of the skin.

### **Advice to Doctor**

No antidote available. Treat symptomatically and supportively.

Chemical burns should be treated by a doctor. Can cause severe eye injury.

Product is corrosive to tissue, mucous membranes, throat, gastro-intestinal tract.

If swallowed may cause burns to lips, mouth, upper respiratory tract and digestive tract.

Adverse effects of inhalation of vapour, gas and/or mist may be delayed.

### **Other Information**

For advice, contact National POISONS INFORMATION CENTRE, Phone Australia 13 11 26, or a doctor.

## **5. FIRE-FIGHTING MEASURES**

---

### **Suitable Extinguishing Media**

Not combustible. Use extinguishing media appropriate for the source of the fire. DO NOT get water inside containers. Use water fog or fine water spray to keep intact containers cool even after fire source is extinguished. DO NOT apply water fog or water spray to split or ruptured containers.

### **Special Protective Equipment for fire fighters**

Firefighters should wear full protective equipment and other equipment such as self-contained breathing apparatus relevant to the major source of fire and the potential release of chlorine gas if product containers rupture.

### **Specific Methods**

Remove sealed containers from the path of a fire if safe to do so. If not, keep fire-exposed containers cool with a water spray. Operate upwind of the containers and out of the path of the fire.

### **Specific Hazards Arising From The Chemical**

None expected as product is neither flammable nor combustible. As an oxidising agent it will greatly increase the burning rate of combustible materials. Sealed containers exposed to the heat of a fire may rupture releasing a corrosive solution as a spray and chlorine from decomposition of the product. Product is an environmental hazard if containers fail/split.

### **Hazchem Code**

2X

## **6. ACCIDENTAL RELEASE MEASURES**

---

### **Methods And Materials For Containment And Cleaning Up**

Remove unnecessary people from spill area. Wear appropriate protective clothing and contain spill with soil, sand or vermiculite to prevent entry into drains, sewers, water courses and water storages. DO NOT use sawdust or other cellulose based materials. Collect spilled material if possible, otherwise soak up in an inert absorbent material and collect in labelled containers for disposal. Residual spilled product can be neutralised with a weak solution of sodium sulphite. Wash residual materials from spill scene/area with plenty of water.

### **Environmental Precautions**

Do not allow entry into watercourses, drains or sewers. Advise local authorities if spillage likely to enter watercourses or drains.

Product is acutely toxic to aquatic organisms!  
Collect, for responsible disposal, spilled materials and absorbents.

## 7. HANDLING AND STORAGE

---

### Precautions for Safe Handling

NOTE WELL. Product is a CORROSIVE liquid. KEEP OUT OF REACH OF CHILDREN. Do not get in eyes, on skin or on clothing. Do not breathe vapour, mist or gas. Product will irritate eyes, nose, throat and skin. Discard contaminated footwear. Use clean containers for dispensing. Mix with water only.

### Conditions for safe storage, including any incompatibilities

Store under cover in a dry, clean, cool, well-ventilated place away from sunlight, food, food stuffs, strong acids, oxidising agents. Store in an upright container. Ensure that container is closed and secure when not in use.

### Storage Regulations

Store in accord with the Dangerous Goods (Storage and Handling) regulations of your jurisdiction.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

---

### Occupational exposure limit values

Sodium hypochlorite decomposes to chlorine if strongly acidified or heated. Under normal storage and handling conditions no hazardous decomposition products are released. A Workplace Exposure Standard(WES)\* has not been established by the SWA\* for sodium hypochlorite.

For CHLORINE, the WES is 1 ppm; Peak Limitation; and

For SODIUM HYDROXIDE, the WES is 2mg per cubic metre, Peak Limitation;

where a Peak Limitation is a maximum or peak airborne concentration of the particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.

### Appropriate Engineering Controls

A system of local and/or general exhaust ventilation is recommended in enclosed spaces to keep exposure levels below the Workplace Exposure Standard for chlorine or sodium hydroxide. Ensure that ventilation installed is adequate and maintained to reduce inhalation exposure potential when handling and using this product.

This product is used mainly out-of-doors in vicinity of swimming pools and spas where natural air movement is adequate to ventilate the area concerned.

### Respiratory Protection

For recreational use ensure that the product is used in a well-ventilated space. In the workplace if exposure limit is exceeded and engineering controls are not practicable use a full face air-purifying (acid gas) respirator. Where atmospheric concentrations are unknown wear a full-face positive-pressure air supplied respirator. Select and fit approved respirators according to AS/NZS 1715\* and AS/NZS 1716\*.

### Eye Protection

Wear approved chemical goggles. In the workplace environment, eye protection complying with AS/NZS 1337\* should be worn to protect against splashes and droplets of the product entering the eye. Guidance to recommended practices for eye protection in the industrial environment is provided in AS/NZS 1336\*. Ensure that an eye wash facility is readily available and accessible in the workplace.

### Body Protection

For recreational use wear protective gloves, long sleeved garment, foot protection and eye protection to minimise exposure when using this corrosive product. In the workplace, personnel handling and using this product are recommended to wear long-sleeved body covering clothing, protective gloves e.g. PVC coated gloves, eye protection (see above), PVC apron and for some operations 'rubber' or PVC footwear. Selection of protective clothing can be guided by reference to AS/NZS 4501\*.

Remove contaminated clothing promptly. Wash contaminated clothing before re-use.

### Hygiene Measures

It is a good work practice to avoid eye and skin contact, and avoid breathing vapour or mists of this product.

In addition it is a good practice to wash face, hands and arms before eating, drinking or smoking and at the end of a work period.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Appearance	Clear yellow liquid.	Odour	Chlorine-like odour.
Boiling Point	100°C	Solubility in Water	Soluble in all proportions.
Specific Gravity	1.18 - 1.20 @ 20C	pH	11 - 13
Vapour Pressure	17.5 mmHg @ 20°C	Flash Point	Not applicable
Flammability	Product is neither flammable nor combustible; it is a water based product.	Flammable Limits - Lower	Not relevant
Flammable Limits - Upper	Not relevant		

## 10. STABILITY AND REACTIVITY

### Reactivity

Contact with acids liberates toxic chlorine gas.

Decomposes slowly at ambient temperatures releasing low concentration of chlorine. Decomposition influenced by temperature, exposure to light and the presence of metals.

Corrodes metals. Releases highly flammable hydrogen.

### Conditions to Avoid

Light, combustible materials, strong acids and temperatures above 40°C.

Avoid contact with foodstuffs.

### Incompatible materials

Strong acids, amines, ammonia, ammonium salts, reducing agents, metals, metal salts, methanol, formic acid.

DO NOT mix with different types of chlorinating compounds.

### Hazardous Decomposition Products

Chlorine gas evolved on heating.

### Possibility of hazardous reactions

Evolves toxic and corrosive gas on contact with acids. Hypochlorous acid fumes if reacted with weak acids. Chlorine is released if reacted with strong acids such as hydrochloric acid and sulphuric acid.

Reacts with aluminium and zinc, generating hydrogen.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity - Oral

LD50 - Oral (rat): 8.91g/kg for sodium hypochlorite; no LD50 - oral data for the solution.

### Ingestion

CORROSIVE LIQUID. Irritating to mucous membranes and other tissues. Will cause severe irritation and potentially burns to throat (gullet) and stomach. May cause nausea and vomiting.

### Inhalation

Inhalation of mists or vapour of product will cause severe irritation of mucous membranes of respiratory tract. Fluid may build up in the lungs after removed from exposure site.

Vapour of product may cause eye irritation.

### Skin

CORROSIVE LIQUID. Moderate to severe skin irritant on single short term exposure. Prolonged or frequently repeated skin contact may result in a burn.

### Eye

CORROSIVE LIQUID. If in eyes will cause severe irritation and eye burns. Product is corrosive to eye tissue. Risk of serious eye effects.

May cause permanent injury possibly loss of sight.

**STOT-single exposure**

Inhalation of vapour, mists or sprays may cause respiratory irritation.

**Chronic Effects**

Prolonged or frequently repeated skin contact/exposure may cause dermatitis.

---

**12. ECOLOGICAL INFORMATION**

---

**Ecotoxicity**

Avoid contamination of waterways.

**Persistence and degradability**

This product is biodegradable.

**Bioaccumulative Potential**

Active ingredients do not bioaccumulate.

**Known Harmful Effects on the Environment**

Very toxic to aquatic life and plant life.

**Environmental Protection**

Toxic to aquatic organisms and plant life. Avoid contamination of drains, sewers, watercourse and water storages. Advise local authorities if spill has entered drains, sewers, and/or watercourses.

**Acute Toxicity - Fish**

Very toxic to aquatic life. Long lasting effects occur.

**Acute Toxicity**

Sodium hypochlorite:- Fish (pink salmon); LC50 - 96 hours, 0.023 - 0.052 mg/litre.

Sodium hydroxide:- Fish (mosquito fish); LC50 - 96 hours; 125 mg/litre;

Water flea; EC50 - 48 hours; 34.59 - 47.13 mg/litre.

---

**13. DISPOSAL CONSIDERATIONS**

---

**Waste Disposal**

Dispose of waste materials in accordance with relevant State, Territorial or Commonwealth waste disposal regulations.

**Container Disposal**

Rinse 'empty' containers in pool water before disposal. Return rinsed and empty 15L containers (with cap) to distributor.

Otherwise recycle rinsed, empty containers through a plastics recycling system.

For a 5L container, rinse in pool water before disposal. Dispose of washed, empty container through a plastics recycling system or household waste.

DO NOT use 'empty' or rinsed containers for storage or packaging of other liquids.

---

**14. TRANSPORT INFORMATION**

---

**Transport Information**

Product is a DANGEROUS GOOD (DG), Class 8 - CORROSIVE for transport by road, rail, sea or air. Road and rail transport should be in accord with the current edition of the ADG Code\* and statutory regulations.

Product is incompatible in a transport load containing Class 1, Class 4.3, Class 5, Cyanides, Acids, Radioactive goods and is incompatible with food and food packaging in any quantity.

**U.N. Number**

1791

**UN proper shipping name**

HYPOCHLORITE SOLUTION

**Transport hazard class(es)**

8

**Packing Group**

II

**Hazchem Code**

2X

## IERG Number

37

## 15. REGULATORY INFORMATION

---

### Regulatory information

Product is classified as a DANGEROUS GOOD (see above).

Product is classified as a hazardous chemical - SKIN CORROSION/IRRITATION, an acute hazard according to the Globally Harmonised System for Classification and Labelling of Hazardous Chemicals.\*

May cause respiratory irritation i.e. a Specific Target Organ Toxicity (single exposure)(STOT).

However this product, as named, is classified as an agricultural chemical and subject to control by the Australian Pesticides and Veterinary Medicines Authority (APVMA); i.e. a regulatory branch of the Commonwealth of Australia government.

Refer to Packaging and Labelling section below regarding regulatory requirements.

### Poisons Schedule

S5

### Packaging & Labelling

Label is compiled, based on APVMA\* requirements of Schedule 4 of AGVET Chemicals Code - Standard 2014\*, and subsequent approval by that statutory organisation. Label is approved by APVMA for 2 pack sizes: 5L & 15L.

Labelling of this product is specifically exempt from SWA Code of Practice for the Labelling of Workplace Chemicals\*.

### Australia (AICS)

Principal components of this product are included in the Australian Inventory of Chemical Substances (AICS).\*

## 16. OTHER INFORMATION

---

### Date of preparation or last revision of SDS

Reviewed and revised 12 August 2021. SDS is in compliance with National Code of Practice\* for preparation of such documents.

Revised text for disposal of containers. Changed National Exposure Standard (NES) to Workplace Exposure Standard (WES) - name change only.

Revised container disposal statements for an empty container. Amended SG range in SECTION 9.

### References

\* GHS = Globally Harmonised System for the Classification and Labelling Hazardous Chemicals. United Nations publication

\* Australian Dangerous Goods Code, 7th Edition, as amended.

\* National Poisons Standard (SUSMP - Standard for the Uniform Scheduling of Medicines and Poisons,) Therapeutics Goods Authority. See Commlaw.

\* WES = Exposure Standards for Atmospheric Contaminants in the Occupational Environment in exposure standards section of HSIS, as amended.

\* SWA = Safe Work Australia.

^ AS = Australian Standard; \* NZS = New Zealand Standard.

\* AS/NZS 1716: Respiratory protective devices.

\* AS/NZS 1715: Selection, use and maintenance of respiratory protective devices.

\* AS/NZS 1337: Eye protectors for the industrial applications.

\* AS/NZS 1336: Recommended practices for eye protection in the industrial environment.

\* AS/NZS 4501: Protective clothing - Protection against chemicals.

\* APVMA = Australian Pesticide and Veterinary Medicine Authority

\* Schedule 4 of AGVET Code - Standard 2014: Agricultural and Veterinary Chemicals Code (Listed Chemical Products Home Swimming Pools and Spa Products) Standard 2014 - Schedule 4: Label format for listed chemical product in liquid form - Active constituent sodium hypochlorite.

\* AICS = Australian Inventory of Chemical Substances maintained by Australian Industrial Chemicals Introduction Scheme.

\* National Model Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals, Safe Work Australia.

### Contact Person/Point

BUSINESS HOURS: Product Information Officer, (03) 9335 4400

This SDS summarises our best knowledge of the health and safety hazard information of this product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled and used in the workplace. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is available on our website at [www.culbeag.com.au](http://www.culbeag.com.au)

## END OF SDS

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe SDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

The compilation of SDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any SDS displayed is permitted for personal use only and otherwise is not permitted. In particular the SDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of SDS without the express written consent of Chemical Safety International Pty Ltd.