

# SAFETY DATA SHEET



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CHLOROCLEAN LC791

**Synonyms:** UN 3266, CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains sodium and potassium hydroxide).

**Use:** Detergent, Sanitiser, Cleaner.

**Supplier:** Advance Chemicals

**ABN:** 61 005 625 025

**Street Address:** 4 – 8 Malton Court, Altona, 3018

**Telephone Number:** (03) 9398 4444

**Facsimile:** (03) 9398 5278

**Emergency Telephone:** Ted Powell (03) 9398 4444 (Business Hours)  
0425 800 022 (After Hours)

## 2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3<sup>rd</sup> Revised Edition.

**Hazard Classification:** HAZARDOUS SUBSTANCE; DANGEROUS GOODS.

**Classification of the substance or mixture:**

Acute Toxicity – category 4

Skin Corrosion – category 1A

Hazardous to the aquatic environment (acute) – category 1

**SIGNAL WORD:** DANGER



**Hazard Statement(s):**

H302 – Harmful if swallowed

H314 – Causes severe skin burns and eye damage

H400 – Very toxic to aquatic life.

**Precautionary Statement(s):**

**Prevention:**

P260 – Do not breathe mist

P264 – Wash hands thoroughly after handling.

P270 – Do not eat, drink or smoke when using this product.

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

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## 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.  
 P363 – Wash contaminated clothing before reuse  
 P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P310 – Immediately call a POISON CENTRE (131126) or doctor/physician  
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

## Storage:

P405 – Store locked up.

## Disposal:

P501: Dispose of contents/container in accordance with local waste management authority.

Poison Schedule (Australia): 5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Entity                               | C.A.S. No. | Proportion    | Risk phrases      |
|---|------------|---------------|-------------------|
| Potassium hydroxide                           | 1310-58-3  | Less than 10% | <b>H302, H314</b> |
| Sodium hydroxide                              | 1310-73-2  | Less than 10% | <b>H314</b>       |
| Sodium Hypochlorite<br>(to give available Cl) | 7681-52-9  | Less than 10% |                   |
| Surfactants                                   | -          | 10 – 30%      |                   |
| Builder Salts                                 | -          | Less than 10% |                   |
| Water   | 7732-18-5  | To 100%       |                   |

## 4. FIRST AID MEASURES

**Medical advice:** For advice, contact Poisons Information Centre, phone 131126, or call a doctor.

**Inhalation:** Remove victim from exposure, avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until recovered. Seek medical attention.

**Skin Contact:** If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water. See a doctor if skin irritation, swelling, and redness or blistering occurs, seek medical attention. Wash clothing before reuse.

**Eye Contact:** Immediately hold eyelids open and flood with clean cold water for at least 15 minutes. Seek medical attention.

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**Ingestion:** Immediately rinse mouth thoroughly with water. Do NOT induce vomiting. Give a glass of water. Repeat if vomiting occurs. If patient is not conscious do NOT give anything by mouth. Seek medical attention.

**Notes to Doctor:** Treat symptomatically for Caustic Alkali. Treat burns if present.

## 5. FIRE FIGHTING MEASURES

**Specific Hazards:** Non-combustible, but may react with metals to produce flammable hydrogen gas, and/or corrosive and toxic fumes.

**Fire-fighting advice:** Fire fighters wear full protective clothing with breathing apparatus operated in positive pressure mode, and gloves.

**Suitable Extinguishing Media:** Use water fog, foam, or dry agent, depending on surrounding environment.

**Hazchem Code:** 2X

**Flammability:** Non flammable.

## 6. ACCIDENTAL RELEASE MEASURES

Evacuate all unnecessary personnel. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert absorbent material onto spillage. Mop up material and place into the same container. If spillage enters the waterways contact the Environmental Protection Authority, or your Waste Management Authority.

## 7. HANDLING AND STORAGE

**Handling advice:** Open container cautiously, especially in hot weather. Wear chemical resistant clothing. Keep containers tightly closed. Wear neoprene, latex, or PVC gloves, and an eye shield. Keep container tightly closed after use.

**Storage advice:** Store in a cool well ventilated place out of direct sunlight. Transport and store upright with vent at top. Store away from other classifications of dangerous goods, Class 8 acids, aluminium, zinc, tin, foodstuffs, and foodstuff empties.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

**Occupational Exposure Limits:**

TLV – TWA for sodium hydroxide is 2 mg/m<sup>3</sup>

TLV - TWA for chlorine is 1 ppm.

**Engineering Controls:** TLV will not normally be exceeded when used as directed. There is no special ventilation requirement. Do not use in confined spaces.

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**Personal Protection Equipment:** Wear neoprene, latex, or PVC gloves and an eye shield. Wear chemical resistant clothing including a chemical resistant apron where clothing is likely to be contaminated. Avoid breathing vapours.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear viscous liquid with chlorine odour.

**Boiling Point:** > 100°C

**Melting Point:** Not known.

**Flash Point:** Non Flammable.

**Vapour Pressure:** 17 mm Hg @ 20 °C

**Vapour Density (Air = 1):** 0.6

**Flammability Limits:** Non Flammable.

**Specific Gravity:** 1.16

**pH (1% dispersion):** 12.1

**Solubility in water:** Soluble in all proportions.

**Corrosiveness:** Undiluted product is corrosive to human tissue and some non-ferrous metals.

## 10. STABILITY AND REACTIVITY

**Stability:** Stable when stored in sealed containers at room temperature.

## 11. TOXICOLOGICAL INFORMATION

**Acute Health Effects:**

**Ingested:** Causes burns to mouth, throat and gastrointestinal tract.

**Eye:** Contact can cause corneal burns, possible permanent eye damage and blindness.

**Skin:** Causes burns to the skin.

**Inhaled:** Corrosive mist and vapour may be irritating if used without sufficient ventilation.

**Chronic:** Prolonged contact with dilute solutions may cause skin irritation. Neoprene, latex, or PVC gloves must be used at all times.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

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## 13. DISPOSAL CONSIDERATIONS

Do not allow into drains or watercourses or dispose of where ground or surface waters may be affected. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all federal, E.P.A, state, and local regulations. Assure conformity with all applicable regulations.

## 14. TRANSPORT INFORMATION

**UN Number:** 3266

**Proper Shipping Name:** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (contains sodium and potassium hydroxide).

**Dangerous Goods Class:** 8

**Subsidiary risk:** none allocated.

**Packing Group:** III

**Hazchem Code:** 2X

**Road and Rail Transport:** Classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code).



## 15. REGULATORY INFORMATION

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**Poisons Schedule: 5**

## 16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user should review this information in the specific context of the intended application.

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