

SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: ADCHLOR LB854

Synonyms: UN 1791, HYPOCHLORITE SOLUTION.

Use: Liquid sanitiser, cleaner and bleach.

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 NOHSC.

Hazard Classification: HAZARDOUS MATERIAL, DANGEROUS GOODS.

Classification of the substance or mixture:

Skin Corrosion – Category 1B

Hazardous to the aquatic environment (acute) – category 1

SIGNAL WORD: DANGER



Hazard Statement(s):

H314 – Causes severe burns and eye damage

H400 – Very toxic to aquatic life

Precautionary Statement(s):

Prevention:

P260 – Do not breathe mists

P264 – Wash hands thoroughly after handling

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 the POISONS 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 so. Continue rinsing.

Storage:

P405 – Store locked up.

Disposal:

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

Poisons Schedule (Australia): 5

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk Phrases
Sodium Hypochlorite	7681-52-9	10-30%	R31, R34, R50
Water	7732-18-5	80 – 90%	

4. FIRST AID MEASURES

Inhalation: Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. Apply artificial respiration if not breathing. Seek medical attention.

Skin Contact: Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse. If symptoms develop seek medical attention.

Eye Contact: Wash with running water holding eyelids open. Take care not to rinse contaminated water into non-affected eye. In all cases of eye contamination, seek medical attention immediately.

Ingestion: Do NOT induce vomiting. Wash mouth out with water. Seek medical attention.

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

Notes to Doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Specific Hazards: This product can decompose upon heating, liberating toxic fumes including chlorine.

Fire-fighting advice: Wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

Suitable Extinguishing Media: Use appropriate fire extinguisher for surrounding environment.

Hazchem Code: 2X

Flammability: Non flammable.

6. ACCIDENTAL RELEASE MEASURES

Increase ventilation. Wear appropriate breathing apparatus and full protective clothing to minimise skin and eye exposure. Do not dilute material but contain. Place inert, non-combustible absorbent material onto the spillage. Collect the material using clean non-sparking tools and place into a suitable labelled container for subsequent disposal. If this material enters the waterways contact the EPA or your local waste management authority.

7. HANDLING AND STORAGE

Handling advice: Wear appropriate protective equipment and clothing. Use in a well ventilated area. Keep containers closed when not in use. Avoid spillage onto floor - keep the floor clean at all times. It is essential that all who come into contact with this material maintain high standards of personal hygiene; i.e: washing hands prior to eating, drinking, smoking or going to the toilet. Build-up of mist or vapours in the working atmosphere must be prevented.

Storage advice: Store in cool place and out of direct sunlight. Store in a well ventilated area. Store away from incompatible materials. Store away from sources of heat or ignition. Keep containers closed at all times. Keep containers securely sealed and protected against physical damage. Store in suitable, labelled containers with vented caps.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: No exposure limits have been set for this product, however:

	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Chlorine	1	3 Peak	-	-

Engineering Controls: Use with good general ventilation. If mists or vapours are produced local exhaust ventilation must be used.

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Personal Protection Equipment: If engineering controls aren't effective enough in controlling airborne exposure then respiratory protective equipment must be used that is suitable for protecting against airborne contaminants. Safety glasses with side shields, goggles or full-face shield as appropriate are recommended. Wear gloves of impervious material and wear appropriate protective clothing including chemical resistant apron where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, pale yellow liquid with chlorine odour.

Boiling Point: 100°C

Melting Point: -25°C approx @12%

Flash Point: Not applicable.

Vapour Pressure: 2.31 kPa @25°C

Vapour Density (Air = 1): 2.49

Flammability Limits: Not applicable.

Specific Gravity: 1.125

pH (1% solution): 11 - 12

Solubility in water: Miscible.

Corrosiveness: Corrosive.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions. Incompatible with amines, methanol, peroxides, metal salts, reducing agents, acids, ammonium salts, solvents, combustible materials, greases and wood. Decomposes on heating and releases toxic fumes of chlorine caustic compounds. Contact with acids produces toxic fumes of chlorine.

11. TOXICOLOGICAL INFORMATION

LD50 (oral, rat) = 5,300 mg/kg

Sodium hypochlorite:

LD50(oral, mouse) = 5,800 mg/kg

TDL_o(oral, women) = 1,000 mg/kg

Sodium hypochlorite pentahydrate:

LD50(oral, rat) = 8,910 mg/kg

Acute Health Effects:

Ingested: Ingestion of this product may cause nausea, vomiting, abdominal pain and chemical burns to the mouth, throat and stomach.

Eye: Eye contact will cause stinging, blurring, tearing, severe pain and possible permanent corneal damage.

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Skin: Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resultant tissue destruction.

Inhaled: Inhalation of mists or vapours will result in respiratory irritation and possible harmful corrosive effects including lesions of the nasal septum, pulmonary edema, pneumonitis and emphysema.

Chronic: Prolonged or repeated skin contact may cause drying with cracking, irritation, and possible dermatitis.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Dispose of according to applicable government regulations.

14. TRANSPORT INFORMATION

UN Number: 1791

Proper Shipping Name: HYPOCHLORITE SOLUTION

Dangerous Goods Class: 8

Subsidiary risk: None assigned.

Packing Group: III

Hazchem Code: 2X

Road and Rail Transport: Classified as Dangerous Goods according to the criteria of The Australian Code for the Transport of Dangerous Goods by road and rail.



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15. REGULATORY INFORMATION

Classification: CORROSIVE. Dangerous for the environment.

Classification of the substance or mixture:

Skin Corrosion – Category 1B

Hazardous to the aquatic environment (acute) – category 1

SIGNAL WORD: DANGER



Hazard Statement(s):

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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 must review this information in the specific context of the intended application.

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Issue Date: November, 2019