SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **SODIUM HYPOCHLORITE LB126**
Synonyms: UN 1791, HYPOCHLORITE SOLUTION.

Use: Liquid sanitiser, cleaner, foot bath and bleach.

Supplier: Advance Chemicals
ABN: 61 005 625 025
Street Address: 4 – 8 Malton Court, Altona, 3018
Telephone Number: (03) 9398 4444

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 7th Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:
Skin Corrosion – Sub - category 1A
Hazardous to the aquatic environment (acute) – category 1

SIGNAL WORD: DANGER

Hazard Statement(s):
H314 – Causes severe skin burns and eye damage.
H400 – Very toxic to aquatic life.

Precautionary Statement(s):

Prevention:
P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.
P260 – Do not breathe mist/vapour/spray
P264 – Wash hands thoroughly after handling
P280 - Wear protective gloves/eye protection/ face protection.

Response:
P301 + P3330 +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/shower.
P363 – Wash contaminated clothing before re-use
P321 – Specific treatment (see First Aid Measures on Safety Data Sheet)
P304 + P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 – Call a POISON CENTRE or doctor/physician if you feel unwell
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 in a well-ventilated place. Keep cool.

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

Poisons Schedule (Australia): None assigned.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
Sodium Hypochlorite	7681-52-9	10-30%	**H314, H400**
Water	7732-18-5	To 100%	

4. FIRST AID MEASURES

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 eyelid(s) open. Take care not to rinse contaminated water into non-affected eye. Seek immediate medical attention.

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

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.

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

Notes to Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards: This product is non combustible. However it can decompose upon heating, liberating toxic chlorine fumes.

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. Buildup 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 and away from sources of heat or ignition. Keep containers closed at all times. Keep containers securely sealed and protected against physical damage. Store in 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 Pk	-	-

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

Personal Protection Equipment: If engineering controls are not 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: 100ºC
Melting Point: -25ºC approx @12%
Flash Point: Not applicable.
Vapour Pressure: 2.31 kPa @25ºC
Vapour Density (Air = 1): 2.49
Flammability Limits: Not applicable.
Specific Gravity: 1.125
pH (as supplied): 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. Releases toxic chlorine fumes on heating.

11. TOXICOLOGICAL INFORMATION

LD50 (oral, rat) = 5.3 Kg/kg

Sodium hypochlorite:
LD50 (oral, mouse) = 5.8 Kg/kg
TDLo (oral, women) = 1.0 Kg/kg
As sodium hypochlorite pentahydrate:
LD50 (oral, rat) = 8.91 Kg/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, excess watering of eyes, severe pain and possible permanent corneal damage.

Skin: Skin contact will cause redness, itching, irritation, severe pain and chemical burns with resulting 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 following.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Dispose of according to relevent 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 Class 8 Dangerous Goods according to criteria of the Australian Code for the Transport of Dangerous Goods by road and rail.

15. REGULATORY INFORMATION

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Poisons Schedule: None assigned.

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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