LC Bleach

1: Identification of the Material and Supplier

Product Identifier LC Bleach

Other Means of Identification LCBLEACH2.CTN (2x5L)

Recommended Use Laundry concentrate bleach

Supplier

Organisation	Location	Contact Information
Chemform ABN: 50 008 905 119	7 Kirke St Balcatta WA 6021 Australia	Phone: 1300 415 278 Fax: (08) 9344 4360 E-Mail: admin@chemform.com.au Web: www.chemform.com.au

Emergency Phone Number Poisons Information Centre (Australia) 13 11 26

2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code

GHS Classification Skin corrosion (category 1)
Eye damage (category 1)

Signal Word Danger

Hazard Statement(s) Causes severe skin burns and eye damage
Contact with acids liberates toxic gas

Precautionary Statement(s) Wear eye protection and protective gloves and clothing. Wash hands after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Take off immediately all contaminated clothing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor. Store locked up. Dispose of container in accordance with local regulations.

3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Available chlorine as Sodium Hypochlorite	7681-52-9	10-<30%
Sodium Hydroxide	1310-73-2	<1%
Non-hazardous ingredients	-	to 100%

4: First Aid Measures

General For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.

Ingestion If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.

Eyes If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.

Inhalation If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.

Symptoms Caused by Exposure Please refer to Section 11- Toxicological Information.

Medical Attention and Special Treatment Decontaminate skin and eyes with copious saline irrigation. Check exposed eyes for corneal abrasions with fluorescein staining.

Effects from exposure to chlorine gas include pulmonary oedema which may be delayed. Observation in hospital for 48 hours is recommended.

5: Fire Fighting Measures

Suitable Extinguishing Equipment Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.

Specific Hazards Arising from the Chemical When heated to decomposition will produce irritating, corrosive fumes of hydrogen chloride and toxic chlorine gas.

Special Protective Equipment and Precautions for Fire Fighters Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.

Hazchem Code 2X

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6: Accidental Release Measures

Personal Precautions

Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.

Environmental Precautions

Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.

Spills and Disposal

Small Spills

Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.

Large Spills

Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgite, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal options by a licensed waste contractor.

7: Handling and Storage

Precautions for Safe Handling

Wash hands after use. Avoid direct contact with product. Use PPE as described in section 8. ALWAYS add product to water while stirring to prevent release of heat. Do NOT add to hot water as chlorine gas may be emitted. Use in a well-ventilated area.

Conditions for Safe Storage

Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

8: Exposure Controls – Personal Protection

National Exposure Standards

None established for the product. TWA for chlorine gas is 3.0mg/m^3

Sodium Hydroxide: TWA = 2 mg/m^3

Engineering Controls

Avoid generation and inhalation of mists and aerosols

Individual Protection

Eyes/Face

Chemical goggles

Hands

Neoprene offers best protection. Rubber, nitrile or PVC gloves may only be used for short term exposure.

Skin

Long sleeved protective clothing (e.g. overalls), PVC apron and chemical resistant safety boots.

Respiratory

If mist or sprays are produced wear a respirator with type B-P cartridge(s)

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9: Physical and Chemical Properties

Appearance	Clear yellow liquid
Odour	Chlorine
pH	>11.5
Vapour Pressure	2.3kPa @20°C
Vapour Density	No data available
Flash Point	Not applicable
Flammability Limits	Not flaamble
Boiling Point	>100°C
Melting Point	-25°C
Specific Gravity	1.17-1.19
Solubility	Soluble in water

10: Stability and Reactivity

Chemical Stability	Product decomposes slowly and releases very toxic gas. However, if stored in heat (30-50°C) its decomposition speed increases substantially.
Possibility of Hazardous Reaction	No hazardous reactions expected when handled and stored in accordance with label directions. Contact with acids will produce toxic chlorine gas.
Conditions to Avoid	Avoid extreme heat and high temperatures.
Incompatible Materials	Avoid extreme heat, high temperatures and contact with acids and incompatible materials (organics, reducing agents, metallic powders).
Hazardous Decomposition Products	Chlorine gas, hydrogen chloride.

11: Toxicological Information

Ingestion	Ingestion may result in gastrointestinal discomfort diarrhoea, possible burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, breathing difficulties, circulatory collapse and coma. Oral (rat) LD_{50}: >237 mg/kg.
Eye	Highly corrosive. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis and corneal burns with possible permanent damage. Eye (rabbit): 0.05 mg/24h SEVERE.
Skin	Prolonged skin exposure can cause reddening of the skin, pain, rash, dermatitis and possible burns. Prolonged or repeated contact may result in ulceration. Skin (rabbit): 500 mg/24h SEVERE.
Inhalation	Over exposure may result in mucous membrane irritation of the respiratory tract, coughing and possible burns. High level exposure may result in ulceration of the respiratory tract, breathing difficulties, chemical pneumonitis and pulmonary oedema.

12: Ecological Information

Ecotoxicity	Bluegill (Lepomis macrochirus) LC_{50} 1.7mg/L Golden shiner (Notemigonous crysoleucas) LC_{50} 0.4mg/L
Persistence/Degradability	The ultimate fate of hypochlorite in soil is its reduction to chloride salt.
Bio-accumulative Potential	Does not bioaccumulate. (log Pow = -0.87 at pH 7; rapid degradation in the environment)
Mobility in Soil	No expected to be mobile in soil.

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13: Disposal Considerations

Disposal Methods	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.

14: Transport Information

UN Number	1791
Shipping Name	HYPOCHLORITE SOLUTION
Class	8
Subsidiary Risk	None allocated
Packing Group	III
Special Precautions For Users	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
Hazchem Code	2X
IERG (HB76)	37
AERG Number	154

15: Regulatory Information

Packaging & Labelling	This product is a Scheduled Poison (S5) and must therefore be stored, maintained and used in accordance with the relevant State Poisons Act. Defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.

16: Other Information

Prepared By	Brett Amos
Date of Previous Issue	July 2018
Changes Made	Complete GHS review.
References	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
Contact Person/Point	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
Legal Disclaimer	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

END OF SAFETY DATA SHEET

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