

# SAFETY DATA SHEET

**Product Name** LOTUS COMMERCIAL STRENGTH BLEACH

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name **Dowco Associates**  
Address 62 Riverbank Road, Otaki  
Telephone +64 6 364 5767  
Fax +64 6 364 5768  
Emergency 0800 243 622

Synonym(s) 5L, 20L, 200L

Use(s) BLEACH, SANITISER, WHITENER

## 2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO HAZARDOUS SUBSTANCES (HAZARD CLASSIFICATION) NOTICE 2020

### GHS CLASSIFICATION

Skin Irritation Category 2  
Serious Eye Damage Category 1



**Signal Word:** DANGER

### Hazard Codes

H315 Causes skin irritation.  
H318 Causes serious eye damage.

### Prevention Codes

P102 Keep out of reach of children.  
P103 Read label before use.  
P264 Wash hands and face thoroughly with soap and water after handling.  
P280 Wear protective gloves/clothing and eye/face protection.

### Response Codes

P101 If medical advice is needed, have product container or label at hand.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
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 POISON CENTER or doctor/physician.  
P321 Specific treatment (see supplemental first aid information on the label).  
P332+P313 If skin irritation occurs: Get medical advice.  
P362+P364 Take off contaminated clothing and wash it before reuse.

### Storage Codes

None.

### Disposal Codes

None.

## 3. COMPOSITION INFORMATION

Ingredient	CAS Number	Content
Sodium Hypochlorite	7681-52-9	< 10%
Ingredients determined to be non-hazardous	-	Balance

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**4. FIRST AID MEASURES**

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<b>Eye</b>	Rinse with copious amounts of water including under eyelids continuously until advised to stop. Remove contact lenses, if present and easy to do. Continue rinsing. Seek urgent medical assistance immediately.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flood skin and hair with running water continuously until advised to stop. Seek medical assistance immediately.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Do not give anything to drink. Seek medical assistance immediately.
<b>Inhalation</b>	Remove patient to fresh air. If breathing becomes difficult get medical attention. Apply artificial respiration if not breathing.
<b>Advice to Doctor</b>	Treat symptomatically.

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**5. FIRE FIGHTING MEASURES**

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<b>Hazard Type</b>	Non-flammable
<b>Extinguishing Media</b>	Water fog or fine spray.
<b>Fire/Explosion Hazard</b>	Thermal decomposition may produce toxic gases. Exhibits violent reactions with organic acids.
<b>Precautions for firefighters</b>	Self-contained breathing apparatus. Safety boots, Chemical resistant overalls, gloves, helmet, and eye protection.

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**6. ACCIDENTAL RELEASE MEASURES**

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<b>Minor Spills</b>	Wear protective equipment to prevent skin, eye, and respiratory exposure. Contain using sand, earth, or vermiculite.
<b>Major Spills</b>	Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Use absorbent (soil, sand, or other inert material). Rags are not recommended for the clean-up of spills, as they may create environmental hazards. Collect and seal absorbent in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Mop up and collect recoverable material into labelled into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose in accordance with all regulations.

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**7. HANDLING AND STORAGE**

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<b>Handling</b>	Keep out of reach of children. Avoid contact with skin, eyes, and inhalation of fumes. Use personal protective equipment as required. Eating, drinking, and smoking in work areas is prohibited.
<b>Storage</b>	Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs and incompatible materials. Reacts with copper, aluminium, zinc and their alloys

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Substance	CAS Number	TWA (Ceiling)
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**Engineering Controls** General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances. Provide eyewash station and safety shower.

**Personal Protective Equipment**

<b>Eyes</b>	Protect eyes with goggles, safety glasses or full-face mask. Avoid wearing contact lenses.
<b>Skin</b>	Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking, or using the toilet.
<b>Respiratory</b>	Use a P3 level respirator that complies with AS/NZS 1715:2009 when operating in enclosed space or where there is a risk of vapour generation during use.

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<b>Physical state</b>	Liquid	<b>Upper explosive limit</b>	No data available
<b>Appearance</b>	Straw yellow	<b>Lower explosive limit</b>	No data available
<b>Odour</b>	Chlorine	<b>Vapour pressure</b>	No data available
<b>Odour threshold</b>	No data available	<b>Vapour density</b>	No data available
<b>Relative density</b>	1.0 g/mL (approx.)	<b>Solubility in water</b>	Soluble
<b>pH as supplied</b>	7.0 – 8.5	<b>Partition coefficient n-octanol/water</b>	No data available
<b>Freezing point</b>	No data available	<b>Autoignition temperature</b>	No data available
<b>Boiling point</b>	100°C (approx.)	<b>Decomposition temperature</b>	No data available
<b>Flash point</b>	No data available	<b>Kinematic Viscosity</b>	No data available
<b>Flammability</b>	No data available		

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Incompatible Materials</b>	Contact with metals such as mild steel, copper, copper alloys, strong acids can cause formation of flammable hydrogen gas.
<b>Hazardous Decomposition Products</b>	Carbon oxides (CO, CO <sub>2</sub> ), Hydrogen Chloride
<b>Hazardous Polymerisation</b>	Polymerization will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Summary** No specific data is available for this product.  
Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects.  
Contact with eyes or skin may result in serious damage/injury.

**Supporting Data**

<b>Acute</b>	<b>Oral</b>	Ingestion is not thought to have harmful toxic effects.
	<b>Dermal</b>	Skin contact is not thought to have harmful toxic effects.
	<b>Inhaled</b>	The mixture is not thought to be toxic through inhalation.
<b>Chronic</b>	<b>Eye</b>	The mixture is considered an eye corrosive based on the summation method.
	<b>Skin</b>	The mixture is considered a skin irritant based on the summation method.
	<b>Sensitisation</b>	No data
	<b>Mutagenicity</b>	No data
	<b>Carcinogenicity</b>	No data
	<b>Reproductive/development</b>	No data
	<b>Systemic</b>	No data
	<b>Aggravation of existing conditions</b>	None known

**12. ECOLOGICAL INFORMATION**

<b>Summary</b>	No specific data is available for this product.
<b>Aquatic</b>	Considered to be very toxic to the aquatic environment with long lasting effects based on the summation method.
<b>Bioaccumulation</b>	No data
<b>Degradability</b>	No data
<b>Soil</b>	No data
<b>Terrestrial vertebrate</b>	No data
<b>Terrestrial invertebrate</b>	No data

**Product Name LOTUS COMMERCIAL STRENGTH BLEACH****13. DISPOSAL CONSIDERATIONS**

Rinse containers well with water before disposal. Preferably rec-cycle container, otherwise send to an authorized landfill or similar in accordance with all relevant, local, regional, and national regulations.

**14. TRANSPORT INFORMATION**

<b>Road &amp; Rail Transport</b>	Not classified as dangerous goods by the criteria of NZS5433:2020 – Transport of Dangerous Goods on Land.
<b>Sea Transport</b>	Not classified as dangerous good under the IMDG transport regulations.
<b>Air Transport</b>	Not classified as dangerous goods under the IATA/ICAO transport regulations.

**15. REGULATORY INFORMATION**

<b>NZ EPA Approval Code</b>	HSR002530 – Cleaning Products (Subsidiary Hazard) Group Standard 2020
<b>NZIoC</b>	All components are listed on the New Zealand Inventory of Chemicals.
<b>MPI</b>	Approved (C41 – Sanitiser)

**Trigger quantities for this substance**

	<b>Trigger Quantity</b>
<b>Certified Handler</b>	Not required.
<b>Location Certificate</b>	Not required.
<b>Tracking Trigger Quantities</b>	Not required.
<b>Signage Trigger Quantities</b>	1,000L
<b>Emergency Response Plan Trigger Quantities</b>	10,000L

**16. OTHER INFORMATION**

<b>SDS Version Number</b>	1.0
<b>SDS Issue Date</b>	5 September 2024
<b>SDS Review Date</b>	5 September 2029
<b>SDS Regulation</b>	The content and format of this SDS is in accordance with HSNO COP 8-1 09-0-6: HSNO Approved Code of Practice – Preparation of Safety Data Sheets.
<b>Disclaimer</b>	This document is compiled based on current knowledge as provided by the suppliers or information obtained from third party sources relating to the hazard classification, safety, and handling precautions for this product. Dowco Associates Ltd has taken all due care to include accurate and up-to-date information in this document and does not provide any warranty as to accuracy or completeness. The information herein is given in good faith but no warranty, express or implied is made.

**Abbreviations:**

AS/NZS	Joint Australian-New Zealand standard
CAS	Chemical Abstracts Service (Registry Number)
EPA	Environmental Protection Authority
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Regulations
NZIoC	New Zealand Inventory of Chemicals
NZS	New Zealand Standard
TWA	Time Weighted Average