MATERIAL SAFETY DATA SHEET
Hazardous according to criteria of Worksafe Australia

PRODUCT: **BLEACH**

SECTION 1 – PRODUCT IDENTIFICATION

Trade Name: **BLEACH**

Distributor: Cargroomers Queensland Pty Ltd
Emergency Phone No: (07) 3807 7577
Regular Phone No: (07) 3807 7577
Address: 10 Binary Street
YATALA QLD 4207

SECTION 2 – HAZARDS IDENTIFICATION

Classification: This material is classified as hazardous according to criteria of NOHSC.

UN No:	Not applicable	PACKAGING GROUP:	Not applicable
CLASS:	Not applicable	HAZCHEM:	Not applicable
SUB-RISK	Not applicable	POISONS SCHEDULE:	Not applicable

S-phrase(s)
S24/25: Avoid contact with skin and eyes.
S50: Do not mix with detergents or other chemicals.

SECTION 3 – INGREDIENTS

MATERIAL/COMPONENT	Wt%	CAS NUMBER
Sodium Hypochlorite (% Chlorine active)	<5%	7681-52-9
Other ingredients not classified as hazardous	to 100%	

SECTION 4 -EMERGENCY AND FIRST AID PROCEDURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

EMERGENCY AND FIRST AID PROCEDURES

Ingestion: Immediately rinse mouth with water. Give water to drink. Do NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek immediate medical assistance.

Eye contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Seek immediate medical assistance.

Skin contact: Immediately wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering, or irritation occurs seek medical advice.

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 fully recovered. Seek medical advice if effects persist.

Swallowed: Do not induce vomiting. Give a glass of water. Seek Medical Advice.

Notes to physician: Treat symptomatically. Do not use acid antidotes in the treatment of sodium hypochlorite poisoning. Sodium thiosulphate immediately reduces hypochlorite to non-toxic products but may produce hydrogen sulphide in contact with acid. Show this Material Safety Data Sheet to the Medical Practitioner.

SECTION 5 – FIRE AND EXPLOSION DATA

Flash Point: Not applicable Method: Not applicable
Flammability Limits in Air (% Volume)
Lower: Not applicable Upper: Not applicable

Specific hazards: Non-combustible material.

Fire fighting further advice: Not combustible. Can decompose upon heating liberating toxic fumes. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to products of decomposition.

Suitable extinguishing media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill or Leak:	Contain spill with sand or earth. Wash remainder to sewer with copious amounts of water. Do not allow to enter storm water drains, or water courses. Gather up absorbent for disposal according to regulations.
Waste Disposal:	Refer to State Land Waste Management Authority. Do not dump large quantities into biological treatment ponds.

SECTION 7 HANDLING AND STORAGE

Handling & Storage:	Avoid skin and eye contact. Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.
Other:	

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Sodium Hypochlorite decomposes to chlorine after strong acidification. Exposure Standards for decomposition product: Chlorine 1 ppm; 3 mg/m3; Peak Limitation as published by the National Occupational Health and Safety Commission (Worksafe Australia). Peak Limitation - a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
Engineering Measures:	Ensure ventilation is adequate and that air concentrations of chlorine (decomposition product) is controlled below quoted Exposure Standards if risk of exposure exists. Natural ventilation should be adequate under normal use conditions. Keep containers closed when not in use.
Personal protection:	Overalls, Safety Shoes, Chemical Goggles, Gloves (S). Avoid eye contact and repeated or prolonged skin contact. Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (C):	Not available	Volatiles:	Not available
Melting Point(C):	Not applicable	Press@20C mm Hg:	Not available
Specific Gravity:	1.2 @ 200C	VAP Density:	Not available
Sol In Water (g/l):	Miscible with water	pH at Use Dilution:	12.5-13.5
Appearance:	Clear yellow liquid	pH:	12.5-13.5 @ 20C

Evaporation Rate (nButyl Acetate=1) N/A

SECTION 10 – STABILITY AND REACTIVITY DATA

Stability:	Stable under normal conditions. This product is an oxidising agent. Reacts vigorously with acids producing toxic chlorine gas. Contamination of solution and exposure to light or heat will accelerate decomposition. Incompatible with most metals. Will react with peroxides, metal salts and reducing agents.
Conditions to avoid:	Common metals, acids, peroxides & reducing agents.
Incompatibilities:	Common metals, acids, peroxides & reducing agents.
Hazardous decomposition products:	Toxic chlorine gas, toxic fumes of nitrogen oxides, carbon dioxide on combustion or oxidation.
Hazardous polymerisation:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

HEALTH EFFECTS

Ingestion:	Swallowing can result in severe irritation and corrosion of the mucous membranes of the mouth, throat and gastrointestinal tract with pain, inflammation and vomiting. Systemic effects include fall of blood pressure, delirium and coma.
Eye contact:	Contamination of the eyes can result in permanent injury.
Skin contact:	Repeated or prolonged skin contact may lead to irritant contact dermatitis or skin burns
Inhalation:	Where this material is used in a poorly ventilated area or at elevated temperatures or confined spaces, vapour may cause irritation to mucous membranes and respiratory tract, headache and nausea. Inhalation of mists or aerosols may produce respiratory followed by pulmonary oedema.
Acute toxicity/	An alkaline poison and primary irritant to mucous membranes, throat, gastrointestinal tract and respiratory tract.

Long Term Effects:
No information available for the product.
Toxicological Data:
No LD50 data available for the product.

SECTION 12 - ECOLOGICAL INFORMATION

Avoid contaminating waterways.

SECTION 13 - DISPOSAL CONSIDERATIONS

Dispose of material according to Local Authority Regulations or through a licensed waste contractor.

SECTION 14 TRANSPORT INFORMATION

Road and Rail Transport:	Not currently classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.
Marine Transport:	Not currently classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
Air Transport:	Not currently classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 REGULATORY INFORMATION

Classification:	This material is classified as hazardous according to criteria of NOHSC. All the constituents of this material are listed on the Australian Inventory of Chemical Substances.
Poison Schedule:	Not applicable

S-phrase(s)
S24/25: Avoid contact with skin and eyes.
S50: Do not mix with detergents or other chemicals.

SECTION 16 OTHER INFORMATION

CONTACT POINTS

ORGANISATION	**TELEPHONE**	**ASK FOR**
Poisons Information Centre – Australia Wide	131126	
Cargroomers Queensland Pty Ltd	(07) 3807 7577	Errol Woolcott
	0416 188 857	Errol Woolcott
Fire Brigade	000	Fire Brigade
Police	000	Police

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Cargroomers Queensland Pty Ltd accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Federal, State and Local Government regulations.

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