

## I. IDENTIFICATION

### Product identifier

# BLEACH

### Recommended use of the chemical and restrictions on use

Sanitiser and bleach.

### Details of the supplier of the safety data sheet

Warewashing Solutions Pty Ltd

Unit 17 12 Mars Rd

Lane Cove NSW 2066

Telephone 1300 217 411

Email: info@warewashingsolutions.com.au

### Emergency telephone number

13 11 26 Poisons Information Centre

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Classified as hazardous according to Safe Work Australia criteria.

Skin irritation – category 2

Eye damage - category 1

### Label elements

### Hazard pictogram



### Signal Word

Danger

### Hazard Statements

H315 Causes skin irritation

H318 Causes serious eye damage

AUH031 Contact with acids liberates toxic gas

### Precautionary Statements

### General

PI01 If medical advice is needed, have product container or label at hand.

PI02 Keep out of reach of children.

PI03 Read label before use.



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### Prevention

P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves and eye/ face protection.

### Response

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
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.  
P321 Specific treatment (see supplemental first aid instructions on this label).

### Other hazards

Poisons Schedule (SUSMP) S5 POISON

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

### Mixtures

Ingredients	CAS number	Weight %t
Sodium hypochlorite	7681-52-9	< 5 %

## 4. FIRST AID MEASURES

### Description of first aid measures

For advice, contact a Poisons Information Centre (Phone Australia 131 126; New Zealand 0800 764 766) or a doctor (at once).

### Inhalation

If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

### Skin contact

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

### Eye contact

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

### Ingestion

If swallowed, do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

Causes skin irritation. Causes serious eye damage

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Can cause corneal burns. Delayed pulmonary oedema may result.

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## 5. FIRE FIGHTING MEASURES

### Extinguishing media

Not combustible. If material is involved in a fire use: fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

### Special hazards arising from the substance or mixture

Not combustible. Decomposes on heating emitting toxic fumes.

### Advice for firefighters

Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition. Keep containers cool with water spray.

### Hazchem Code

None allocated

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment to prevent skin and eye contact and breathing in vapours. Shut off all possible sources of ignition. Work up wind or increase ventilation. Clear area of all unprotected personnel. Contact local emergency services where appropriate.

### Environmental precautions

Avoid contaminating waterways. If contamination of sewers or waterways has occurred advise local emergency services.

### Methods and material for containment and cleaning up

Contain using sand or soil. Prevent run off into drains or waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

### Reference to other sections

See Section 8 for appropriate personal protective equipment. See Section 13 for waste treatment methods.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

### Conditions for safe storage, including any incompatibilities

This product is a Scheduled Poison (S5) and must be stored, maintained and used in accordance with the relevant regulations. Store in a cool, dry, well ventilated place out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use. Check regularly for leaks.

### Specific end uses

See Section 1.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Control parameters

No exposure standard assigned for this specific material by the Safe Work Australia.



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### Exposure controls

#### Appropriate engineering controls

Ensure adequate ventilation when using. Use only in well ventilated areas. Do not breathe vapours. In case of insufficient ventilation, wear suitable respiratory equipment. Keep container tightly closed when not in use.

#### Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

#### Eye/face protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. Refer to Australian/New Zealand Standard AS/NZS 1337:1992 for guidance on selection and use of protective eyewear.

#### Skin protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Refer to Australian/New Zealand Standard AS/NZS 2161.1: 2000 for guidance on selection and use of protective gloves. Personal protective equipment for the body, appropriate footwear and any additional skin protection should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

#### Respiratory protection

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Refer to Australian/New Zealand Standard AS/NZS 1715 and AS/NZS 1716 for guidance on selection and use of respiratory devices.

#### General safety and hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Environmental exposure controls

Not available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Clear pale yellow liquid
Odour	Chlorine
Odour threshold	Not available
pH	12.0 – 13.0
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.05
Solubility	Soluble in water
Partition coefficient: n-octanol/water	Not available

Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not data available
Explosive properties	Not applicable
Oxidising properties	Not applicable

**Other information**

No additional information

**10. STABILITY AND REACTIVITY****Reactivity**

Reacts with acids. Reacts with ammonia.

**Chemical stability**

Stable under normal storage and use conditions. The amount of chlorine diminishes over time.

**Possibility of hazardous reactions**

Reacts with acids releasing chlorine gas. Reacts with ammonia. Decomposes on heating to produce chlorine gas.

**Conditions to avoid**

Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to light. Avoid contact with other chemicals. Avoid contact with acids.

**Incompatible materials**

Incompatible with acids. Incompatible with ammonia. Incompatible with metals.

**Hazardous decomposition products**

Chlorine.

**11. TOXICOLOGICAL INFORMATION****Information on toxicological effects****Acute toxicity:** No data available for the mixture

<b>Ingredient</b>	<b>Oral Toxicity (LD50)</b>	<b>Dermal Toxicity (LD50)</b>	<b>Inhalation Toxicity (LC50)</b>
Sodium hypochlorite	5800 mg/kg (rat)	>10000 mg/kg (rabbit)	

**Skin corrosion/irritation:** Causes skin irritation.**Serious eye damage/irritation:** Causes severe eye damage.**Respiratory or skin sensitisation:** No data available**Germ cell mutagenicity:** No data available**Carcinogenicity:** No data available**Reproductive toxicity:** No data available

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**Summary of evaluation of the CMR properties:** No data available

**Specific Target Organ Toxicity (STOT)-single exposure:** No data available

**Specific Target Organ Toxicity (STOT)-repeated exposure:** No data available

**Aspiration hazard:** No data available

## Information on likely routes of exposure

### Inhalation:

Exposure to vapour or mist may irritate respiratory tract.

### Skin contact:

May cause skin irritation.

### Eye contact:

May cause severe damage to eyes.

### Ingestion:

Ingestion may cause irritation to mucous membranes and gastrointestinal irritation, nausea, vomiting and diarrhea.

## Symptoms related to the physical, chemical and toxicological characteristics

May cause redness and tearing of the eyes. May cause burns to eyes. May cause redness to skin. Inhalation may cause coughing.

## Delayed and immediate effects as well as chronic effects from short and long term exposure

No information available.

## Numerical measures of toxicity

Acute oral toxicity estimate (ATE) > 5000 mg/kg

Acute dermal toxicity estimate (ATE) > 5000 mg/kg

## Interactive effects

No information available.

## Other information

## 12. ECOLOGICAL INFORMATION

### Toxicity

Very toxic to aquatic life. Avoid contaminating waterways.

### Persistence and degradability

No data available.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

**14. TRANSPORT INFORMATION**

Not classified as a Dangerous Good by the criteria of the Australian Code for the Transport of Dangerous Goods by Road and Rail.

**UN Number**

Not applicable

**UN Proper shipping name**

Not applicable

**Transport hazard class(es):**

Not applicable

**Packing group**

Not applicable

**Environmental hazards:**

Not applicable

**Special precautions for user**

Not applicable

**Transport in bulk according to Annex II of MARPOL and the IBC Code**

Not applicable.

**Other relevant information:****Hazchem Code**

None allocated

**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture****Classification**

Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safework Australia.

**Poison schedule**

Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Inventory listing(s)**

AICS (Australian Inventory of Chemical Substances): All components are listed on AICS, or are exempt



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### Chemical safety assessment

No chemical safety assessment has been carried out for this substance / mixture by the supplier

## 16. OTHER INFORMATION

**Date of preparation** Oct 2021

### Abbreviations and Acronyms

ADG - Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)

AICS - Australian Inventory of Chemical Substances

ATE - Acute Toxicity Estimate

CAS - Chemical Abstracts Service Registry Number

GHS - Globally Harmonized System of Classification and Labelling of Chemicals

IBC - Intermediate Bulk Container

IATA – International Air Transport Association

ICAO – Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG – International Maritime Dangerous Goods

IMO – International Maritime Organisation

LC50 - Lethal Concentration, 50% / Median Lethal Concentration

MARPOL 73/78 - International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

("Marpol" = marine pollution)

LD50 - Lethal Dose, 50% / Median Lethal dose

PBT - Persistent, Bioaccumulative and Toxic

STOT-RE - Specific target organ toxicity (repeated exposure)

STOT-SE - Specific target organ toxicity (single exposure)

SUSMP - Standard for the Uniform Scheduling of Medicines & Poisons

UN - United Nations

vPvB - very Persistent and very Bioaccumulative

### Key literature references and sources of data

This Safety Data Sheet summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the product and general guidance on how to safely handle the product in the workplace. Since Lab 6 Pty. Ltd. cannot anticipate or control the conditions under which this product may be used, each user must, prior to usage, review this Safety Data Sheet in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the product as sold is subject to the terms and conditions of sale, a copy of which is sent to our customers and is also available upon request.

**End of Safety Data Sheet**