

# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Premium Household Bleach

**Other Identifier:** 4% Bleach, 4% Sodium Hypochlorite solution

**Recommended Use:** Disinfectant, cleaner, bleaching laundry

**Supplier:** Midland Chemicals  
**ABN:** 91 622 018 986

**Street Address:** 18 Elliott Street  
Midvale  
Western Australia

**Telephone Number:** +61 08 9274 1992

**Australian Poisons Information:** 13 11 26

## 2. HAZARDS IDENTIFICATION

**Road and Rail;** Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.

### Globally Harmonised System

#### Hazard Classification

Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

#### Hazard Categories

Eye Damage Category 1  
Skin Irritation Category 2

#### Pictogram



**Corrosive**

**Irritant**

**Signal Word:** DANGER

#### Hazard Statements

H303 May be harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage

# SAFETY DATA SHEET

## Precautionary Statement

### Prevention

P102 Keep out of reach of children.

P103 Read label before use.

P104 Read Safety Data Sheet before use.

P264 Wash hands and skin thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye and face protection

### Response

P101 If medical advice is needed, have product container or label at hand.

P301+P312, P330, P331 IF SWALLOWED: call a Poison Centre or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

P302+P352, P332+P313, P362 IF ON SKIN: wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before re-use.

P305+P351+P338, P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Centre or doctor.

### Disposal

P501 Dispose of waste material through a licensed contractor or facility.

**Poisons Schedule:** S5

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Sodium Hypochlorite	7681-52-9	4%
Ingredients determined not to be hazardous including water.		Up to 100%

# SAFETY DATA SHEET

## 4. FIRST AID MEASURES

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

<b>Ingestion:</b>	Do not induce vomiting. Immediately remove product from the mouth and wash out mouth with plenty of water. Obtain immediate medical attention.
<b>Eye Contact:</b>	Immediately hold the eyes open and wash with fresh running water. Take care not to rinse contaminated water into nonaffected eye. Remove contact lenses, if present and safe to do so. Ensure complete irrigation of the eye by keeping the eyelids apart and away from the eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or at least 15 minutes. Obtain immediate medical attention.
<b>Skin Contact:</b>	Remove contaminated clothing and wash skin thoroughly with soap and running water. Ensure contaminated clothing is washed before re-use, or discard. If symptoms develop, seek medical attention.
<b>Inhalation:</b>	Remove from source of exposure. Ensure airways are clear and have qualified person give oxygen through a face mask if breathing is difficult. If symptoms develop, seek medical attention.
<b>Medical attention and special treatment:</b>	An eye wash fountain, safety shower and a general washing facility should be available immediately adjacent to the work area. Comments: Treat according to person's condition and specifics of exposure. Advice to Doctor: Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use appropriate fire extinguisher for surrounding environment.
<b>Hazardous combustion products:</b>	This product is non-flammable. This material may decompose and produce toxic and/or irritating fumes under fire conditions. Containers may rupture/explode under fire conditions.
<b>Precautions for fire fighters and special protective equipment:</b>	Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-containing breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

# SAFETY DATA SHEET

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid eye and skin contact.
<b>Protective equipment:</b>	Use full protective clothing and equipment to minimise exposure
<b>Emergency procedures:</b>	Determine whether to evacuate or isolate the area according to your local emergency plan. Increase ventilation. Evacuate all unprotected personnel.
<b>Environmental Precautions:</b>	Prevent run off into drains and waterways. If a large quantity of this material enters the environment, contact the relevant regulatory authorities. Dispose of waste according to Federal, E.P.A., State and Local Regulations.
<b>Methods and materials for Containment and clean up:</b>	Observe all personal protective equipment recommendations described in this MSDS. Shovel or sweep up material avoiding dust generation, or dampen material to avoid airborne dust. Place into clean, dry, suitable labelled containers and close lids tightly. Wash contaminated surfaces well with soap and water. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the clean-up of releases. You will need to determine which laws and regulations are applicable.

## 7. HANDLING AND STORAGE

This material must be stored, maintained and used in accordance with the relevant regulations.

<b>Conditions for safe storage:</b>	Store in a cool, dry, well ventilated area, away from direct sunlight and moisture. Keep well closed when not in use and securely sealed against physical damage. Store away from strong oxidizing agents and acids.
<b>Precautions for safe handling:</b>	Use in a well ventilated area. Avoid contact with the skin and eyes. Any exposure without protection should be prevented. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure standard:</b>	Sodium Hypochlorite(Peak limitation) TWA:3.0mg/m3(Reference:ASCC(AUS))
<b>Biological Limits</b>	<b>No biological limit allocated.</b>
<b>Engineering Controls</b>	Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard
<b>Personal Protective Equipment</b>	Wear splash-proof goggles and PVC or rubber gloves, rubber, face shield and coveralls. Where an inhalation risk exists, wear a type A (organic vapor) respirator

# SAFETY DATA SHEET

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Clear yellow
<b>Auto Ignition temperature:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Flammability:</b>	Not Available
<b>Flash Point:</b>	>100°C
<b>Initial Boiling Point:</b>	Not Available
<b>Melting Point:</b>	Not Available
<b>Freezing Point</b>	Not Available
<b>Odour:</b>	Characteristic chlorine odour
<b>pH:</b>	10@ 1% solution
<b>Solubility:</b>	Soluble in water
<b>Specific Gravity:</b>	1.04-1.08
<b>Vapour density:</b>	Not Available
<b>Vapour pressure;</b>	Not Available
<b>Viscosity:</b>	Very slightly thicker than water

## 10. STABILITY AND REACTIVITY

<b>Chemical stability:</b>	The product is stable under normal ambient conditions of temperature and pressure.
<b>Conditions to avoid:</b>	The product will react with acids to produce chlorine gas.
<b>Incompatible materials:</b>	Strong oxidising agents and strong acids.
<b>Hazardous decomposition products:</b>	Thermal decomposition may result in the release of toxic and/or irritating fumes, including oxides of carbon and sulphur.
<b>Hazardous reactions or Polymerisation:</b>	Hazardous polymerization will not occur

# SAFETY DATA SHEET

## 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:

<b>Ingestion:</b>	May be harmful if swallowed. Symptoms may include pain, nausea, vomiting, diarrhoea and gastrointestinal irritation.
<b>Eye contact:</b>	Risk of serious damage to eyes. On eye contact this product will cause stinging, blurring, lachrymation, severe pain and possible permanent corneal damage.
<b>Skin contact:</b>	May cause irritation in contact with skin, resulting in itching, redness and possibly dermatitis. The material may accentuate pre-existing skin conditions
<b>Inhalation:</b>	Considered an unlikely route of entry in commercial/industrial environments. Inhalation of vapours may cause irritation of the nose, throat and respiratory system.
<b>Chronic:</b>	Ingestion: Repeated ingestion or swallowing large amounts may injure internally.. Skin: Prolonged or repeated skin contact may lead to dermatitis in some individuals. Inhalation: Chronic exposure by inhalation may aggravate existing respiratory disorders.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Not classified as ecotoxic in the aquatic environment.
<b>Persistence and degradability</b>	Inherently degradable, slow degradation resultant of limited bioavailability, the materials degrade rapidly when dissolved in water.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.
<b>Other Adverse effects</b>	No adverse effects on bacteria are predicted.
<b>Other information:</b>	WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5) SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal methods:</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Or refilled at Big Bubble in Midvale.
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# SAFETY DATA SHEET

## 14. TRANSPORT INFORMATION

<b>Road and Rail Transport</b>	Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail; NON-DANGEROUS GOODS.
<b>UN number:</b>	Not applicable
<b>Proper shipping name;</b>	Sodium Hypochlorite 4% Solution
<b>DG Class</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Environmental hazards for transport purposes</b>	Not applicable
<b>Special Precaution for user</b>	Not applicable
<b>Hazchem</b>	Not applicable

### Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

### Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

## 15. REGULATORY INFORMATION

Poisons Schedule: S5

## 16. OTHER INFORMATION

Revision date: 29/09/2020

Reason for issue: Update SDS

Key/Legend:

< Less Than<sup>[L]</sup><sub>SEP</sub>

> Greater Than<sup>[L]</sup><sub>SEP</sub>

**AICS** Australian Inventory of Chemical Substances<sup>[L]</sup><sub>SEP</sub>

**atm** Atmosphere<sup>[L]</sup><sub>SEP</sub>

**CAS** Chemical Abstracts Service (Registry Number)<sup>[L]</sup><sub>SEP</sub>

**cm<sup>2</sup>** Square Centimetres<sup>[L]</sup><sub>SEP</sub>

**CO<sub>2</sub>** Carbon Dioxide<sup>[L]</sup><sub>SEP</sub>

**COD** Chemical Oxygen Demand<sup>[L]</sup><sub>SEP</sub>

**deg C (°C)** Degrees Celcius<sup>[L]</sup><sub>SEP</sub>

**g** Grams<sup>[L]</sup><sub>SEP</sub>

**g/cm<sup>3</sup>** Grams per Cubic Centimetre<sup>[L]</sup><sub>SEP</sub>

**g/l** Grams per Litre<sup>[L]</sup><sub>SEP</sub>

# SAFETY DATA SHEET

**HSNO** Hazardous Substance and New Organism

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluble in each other.

**inHg** Inch of Mercury

**inH<sub>2</sub>O** Inch of Water

**K** Kelvin

**kg** Kilogram

**kg/m<sup>3</sup>** Kilograms per Cubic Metre

**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

**ltr or L** Litre

**m<sup>3</sup>** Cubic Metre

**mbar** Millibar

**mg** Milligram

**mg/24H** Milligrams per 24 Hours

**mg/kg** Milligrams per Kilogram

**mg/m<sup>3</sup>** Milligrams per Cubic Metre

**Misc or Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

**mm** Millimetre

**mmH<sub>2</sub>O** Millimetres of Water

**mPa.s** Millipascals per Second

**N/A** Not Applicable

**NIOSH** National Institute for Occupational Safety and Health

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organisation for Economic Co-operation and Development

**PEL** Permissible Exposure Limit

**Pa** Pascal

**ppb** Parts per Billion

**ppm** Parts per Million

**ppm/2h** Parts per Million per 2 Hours

**ppm/6h** Parts per Million per 6 Hours

**psi** Pounds per Square Inch

**R** Rankine

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**TWA** Time Weighted Average

**ug/24H** Micrograms per 24 Hours

**UN** United Nations

**wt** Weight

This material safety data sheet has been prepared by Midland Chemicals

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside Midland Chemicals control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.