

Safety Data Sheet

Bleach 4%



1. Identification

Trade name of product : Bleach 4%
Other Shipping Name : None allocated
Supplier Address : Morrison CQ Agencies
2/32 Knight Street North Rockhampton
QLD 4701 Australia
Supplier Contact Details : Phone: 07 4926 2099, email: admin@mcqagencies.com.au
Emergency telephone number : Poisons Information 131126
Material uses : Liquid Bleach
Product dilution information : Use dilution = 1:40 (Non Hazardous at 1:10 dilution)
Date of issue : 1 October 2021



2. Hazards identification

Product AS SOLD

NOT classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category

Skin Irritation - Category 2

Eye Irritation - Category 2A



Signal Word: WARNING

Hazard Statements:

Causes serious eye irritation.

Causes skin irritation.

Contact with acids liberates toxic gas.

Precautionary Statements:

Prevention:

Wash hands thoroughly after handling.

Wear protective gloves and eye protection.

Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.

IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see section 4 of this SDS). If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.

Storage: Store in accordance with local regulatory requirements.

Disposal: Dispose in accordance with local regulatory requirements.

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General Phrases: Keep out of reach of children.

Product AT USE DILUTION

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

This material is **NON-HAZARDOUS** according to Safe Work Australia's GHS Criteria.

3. Composition/information on ingredients

Product AS SOLD and AT USE DILUTION

Ingredient name	CAS number	Proportion %	TWA mg/m ³	STEL mg / m ³
Sodium Hydroxide	1310-73-2	< 10	2	None Allocated
Sodium Hypochlorite	7681-52-9	< 10	None Allocated	None Allocated

Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

Product AT USE DILUTION

Ingredients, determined not to be hazardous according to Safe Work Australia's GHS criteria, and not dangerous according to the ADG Code, make up the product concentration at 100%.

4. First-aid measures

Product AS SOLD and AT USE DILUTION

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|---------------------------|--|
| Eye contact | : Rinse with plenty of running water. Seek medical advice if symptoms occur. |
| Skin contact | : Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur. |
| Inhalation | : Remove to fresh air. Seek medical advice if symptoms occur. |
| Ingestion | : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur. |
| Notes to physician | : Treat symptomatically. Concentrated solution can cause corneal burns. |

5. Fire-fighting measures

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|---|--|
| Extinguishing media | : Not combustible, however, if material is involved in a fire use an extinguisher agent suitable for the surrounding fire. |
| Specific Hazards arising from the chemical | : No specific hazard. |
| Special protective equipment and precautions for fire-fighters | : Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire. |
| Hazchem Code | : No Hazchem Code applicable. |

Product AT USE DILUTION

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
No specific hazard.

Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus in the event of a fire.
NA

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: For small spills ensure suitable equipment and PPE is used. Dispose of waste in accordance with local rules. For large spills use PPE as recommended in section 8. Remove non-essential personnel from the area. Ensure that any incompatible products (eg acids) near the spill are removed.	No special precautions necessary. For large spills remove non-essential personnel from the area.
Environmental precautions	: Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.	Contain large spills/releases using appropriate bunding or capping. Prevent entry into waterways.
Methods for cleaning up	: Spills may be slippery. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose.	Spills may be slippery. Small spills use mop and bucket, for larger spills contain, collect and dispose in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

	Product AS SOLD and AT USE DILUTION
Handling	: Use clean dispensing equipment, Use appropriate PPE, Always add product to water when diluting.
Storage	: Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store in original containers whenever possible. Do not store in metal containers without prior approval. Check container compatibility before transfer. Keep containers closed when not in use - check regularly for leaks. Ensure good housekeeping in storage area.

8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
Occupational exposure limits	: No information available on the product itself. Values for specific hazardous ingredients are shown in section 3.	No information available on the product itself. Values for specific hazardous ingredients are shown in section 3.
Engineering measures	: Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Close containers when not in use.	Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided. Keep containers closed when not in use.
Personal Protection		
Eyes	: Safety glasses/goggles.	PPE is not required for dilute solutions, however the following may be considered to reduce risk. Safety glasses. Chemical resistant gloves. No PPE required under normal use.
Hands	: Chemical resistant gloves.	
Respiratory	: If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.	

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Skin	: Long sleeves/trousers/chemical resistant apron/chemical resistant boots.	Long sleeves/trousers.
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9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Clear Liquid	Clear Liquid
Colour	: Pale Yellow	Colourless
Odour	: Slight Chlorine	Slight Chlorine
pH	: Ca. 12	Alkaline
Flash point (°C)	: NA	NA
Boiling point (°C)	: 100 (approx.)	100 (approx.)
Specific Gravity (g/ml @ 25°C)	: 1.02 – 1.08	1.00
Solubility in water	: Absolute	Absolute

10. Stability and reactivity

	Product AS SOLD and AT USE DILUTION
Reactivity	: Do not mix with other chemicals without prior approval.
Stability	: Stable under normal storage conditions.
Possibility of Hazardous Reactions	: Chlorine gas may be produced if mixed with acids.
Conditions to avoid	: Avoid contact with food stuffs. May be corrosive to some metals.
Incompatible Materials	: Acids, oxidising substances, reducing substances.

11. Toxicological information

Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

	Product AS SOLD	Product AT USE DILUTION
Ingestion	: May cause severe irritation to the mouth and digestive tract.	Minor irritation and discomfort only.
Skin	: May cause irritation to the skin. Prolonged contact may cause chemical damage.	Prolonged contact may lead to irritation or other skin conditions.
Eye	: May cause serious irritation and possible permanent damage.	May cause irritation, reddening of eyes.
Inhalation:	: Inhalation of fine mists may cause irritation and chemical burns to the respiratory tract and nasal passages.	Inhalation of fine mists may cause irritation to the respiratory tract and nasal passages.

12. Ecological information

Product AS SOLD and AT USE DILUTION

Ecotoxicity data

Persistence/degradability	: Hypochlorites are non-persistent in the environment and there is no accumulation potential as they gradually decompose into a salt and oxygen.
Mobility in Soil	: May leach to groundwater with resultant toxicity to aquatic organisms.
Other adverse effects	: Expected to be harmful to aquatic species.

13. Disposal considerations

Methods of disposal : **Product AS SOLD and AT USE DILUTION**
Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

14. Transport information

Product AS SOLD and AT USE DILUTION

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	None Allocated	None Allocated	None Allocated	None Allocated	None Allocated

15. Regulatory information

Product AS SOLD

NOT classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

This material is a **SCHEDULE 5 POISON** according to the SUSMP.

Hazard Category

Skin Irritation - Category 2

Eye Irritation - Category 2A

Signal Word: WARNING

Hazard Statements:

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Precautionary Statements:

Prevention:

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Response:

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IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see section 4 of this SDS). If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.

Storage: Store in accordance with local regulatory requirements.

Disposal: Dispose in accordance with local regulatory requirements.

General Phrases: Keep out of reach of children.

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Product AT USE DILUTION

Classified as **NON-DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

This material is **NON-HAZARDOUS** according to Safe Work Australia's Criteria.

16. Other information

Literature References : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice. Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Substances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS

Traffic Light System

Traffic Light	Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) (ADG7)	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) as adopted by Work, Health and Safety regulations, Australia.	Notes
RED	✓	✓	PLUS products that are NOT Classified as Dangerous Goods according to ADG7, but classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
AMBER	✗	✓	EXCLUDING products that are classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
GREEN	✗	✗	

Prepared by : Australian Chemical Services Pty Ltd (0411 863 178)

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS. The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET