Melbourne, VIC, Australia | P: 03 9917 4777 | Website: http://stellarchem.com.au/

Safety Data Sheet

Revision Date: Revision Date: 28.10.21

Print Date: Thursday, 28 October 2021

Bleach 6%

Classification of Product:

Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

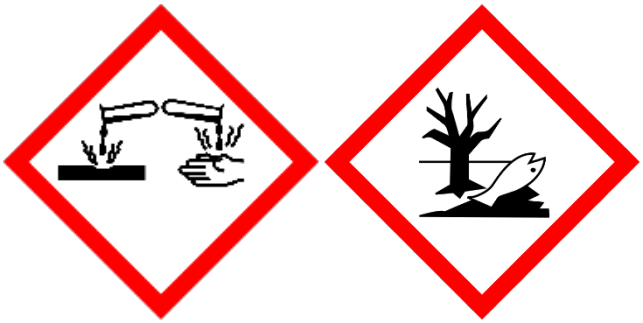
Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY
    a. Product name: **Bleach 6%**
    b. Other means of identification: Sodium Hypochlorite
    c. Recommended use of the chemical
    Sanitising and disinfecting non porous surfaces.
    In industrial laundries.
    d. Manufacturer details:
    Dalcon Hygiene
    36 Victoria St Smithfield
    NSW 2164
    Australia
    PH: (02) 9604 1155
    FAX: (02) 9604 9055
    Email: admin@dalconhygiene.com.au
    e. Poisons information centre: 13 11 26

2. HAZARD(S) IDENTIFICATION
    a. Classification of the chemical (Class and category):

    Classified as **HAZARDOUS** according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Classification of the substance or mixture:
Skin Corrosion - Sub-category 1C
Eye Damage - Category 1
Acute Aquatic Toxicity - Category 1



c. **Hazard statement(s)**
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

d. **Precautionary Statement(s)**
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
Prevention:
P260 Do not breathe fumes/ gas / mist / vapours / spray.
P264 Wash hands thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
Response:
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 Wash contaminated clothing before re-use.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see First Aid Measures on Safety Data Sheet).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P391 Collect spillage.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards:
AUH031 Contact with acids liberates toxic gas.

Poisons Schedule (SUSMP): S5 Caution

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3. COMPOSITION AND INFORMATION ON INGREDIENTS

Components	CAS number	Proportion	Hazard Codes
H20	7732-18-5	>60%	-
Sodium Hypochlorite	7681-52-9	6%	H314, H400
Sodium Hydroxide	1310-73-2	<1%	H290, H314, H318

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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

Inhalation:
Remove victim from area of 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. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Skin Contact:
If spilt on large areas of skin or hair, immediately drench with running water and remove clothing. Continue to wash skin and hair with plenty of water (and soap if material is insoluble) until advised to stop by the Poisons Information Centre or a doctor.

Eye Contact:
Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre. Continue to wash with large amounts of water until medical help is available.

Ingestion:
Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Indication of 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

a. **Suitable extinguishing equipment**:
Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Hazchem or Emergency Action Code: 2X

b. Specific hazards arising from the chemical
Non-combustible Material

c. Special protective equipment and precautions for fire fighters:
Decomposes on heating emitting toxic fumes, including those of chlorine. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

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6. ACCIDENTAL RELEASE MEASURES

Emergency procedures/Environmental precautions:
Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

Personal precautions/Protective equipment/Methods and materials for containment and cleaning up:
Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

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7. HANDLING AND STORAGE, INCLUDING HOW THE CHEMICAL MAY BE SAFELY USED

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

a. **Precautions for safe handling**
Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.

b. **Conditions for safe storage, including incompatibilities.**
Store in cool place and out of direct sunlight. Store away from foodstuffs. Store away from acids. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

a. Control Parameters:
No value assigned for this specific material by Safe Work Australia.

However, Workplace Exposure Standard(s) for constituent(s):
Chlorine: Peak Limitation = 3 mg/m3 (1 ppm)
Sodium hydroxide: Peak Limitation = 2 mg/m3
As published by Safe Work Australia Workplace Exposure Standards for Airborne Contaminants.
Peak Limitation - a maximum or peak airborne concentration of a particular substance determined over the shortest analytically practicable period of time which does not exceed 15 minutes.
These Workplace 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.

b. Engineering controls:
An exhaust/ducting system is recommended to keep exposure low. Adequate ventilation should be provided so that exposure limits are not exceeded.

c. Individual Protection measures:
- Face mask/ respirator: Air purifying respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.
- Eyes: protective goggles should be worn when handling the product
- Hands: Wear suitable, impervious gloves
- Clothing: Long sleeved protective clothing, impervious chemical apron and safety footwear.

9. PHYSICAL AND CHEMICAL PROPERTIES

a. Physical state: Liquid
b. Colour – Pale Yellow
c. Odour – Chlorine
d. pH - 12.5 (1% w/w)
e. Initial boiling point and boiling range – 101°C
f. Flammability – not applicable
g. Upper/lower flammability or explosive limits – Not applicable
h. Vapour pressure – Not available
i. Relative density – Not available
j. Solubility – Miscible in Water
k. Auto-ignition temperature: Not available
l. Specific Gravity – 1.2 @ 20°C
m. Density – 1.11g/cm^3

10. STABILITY AND REACTIVITY

a. Reactivity: Contact with acids liberates toxic gas
b. Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. The amount of available chlorine diminishes over time.

c. Possibility of reactions: Hazardous polymerisation will not occur. Reacts exothermically with acids. Reacts with ammonia, amines and ammonium salts to product chloramines. Decomposes on heating to produce chlorine gas.
d. 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.
e. Incompatible materials: Incompatible with acids, metals, metal salts, peroxides, reducing agents and ethylene diamine tetraacetic acid. Incompatible with ammonia and ammonium compounds such as amines and ammonium salts.
f. Hazardous decomposition products: Chlorine

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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:

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Eye contact: A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

Skin contact: Contact with skin will result in severe irritation. Corrosive to skin - may cause skin burns.

Inhalation: Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours) fluid build-up in the lungs may occur.

Acute toxicity: No LD50 data available for the product.
For the constituent SODIUM HYPOCHLORITE: Oral LD50 (mice): 5800 mg/kg

Serious eye damage/irritation: Moderate irritant (rabbit). Standard Draize test

Chronic effects: No information available for the product.

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12. ECOLOGICAL INFORMATION

a. Ecotoxicity: Avoid contaminating waterways
b. Persistence and degradability: This material is biodegradable
c. Aquatic Toxicity: Very toxic to aquatic organisms. 48hr LC50 (Fish): 0.07-5.9mg/L

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13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered.

Do not allow waste to enter waterways.

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14. TRANSPORT INFORMATION

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

UN No: 1791
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name or Technical Name: HYPOCHLORITE SOLUTION
Hazchem or Emergency Action Code: 2X

Classified as **DANGEROUS GOODS** by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; Dangerous Goods.

UN No: 1791
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name or Technical Name: HYPOCHLORITE SOLUTION

IMDG EMS Fire: F-A
IMDG EMS Spill: S-B

Classified as **DANGEROUS GOODS** by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; Dangerous Goods.

UN No: 1791
Transport Hazard Class: 8 Corrosive
Packing Group: II
Proper Shipping Name or Technical Name: HYPOCHLORITE SOLUTION

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15. REGULATORY INFORMATION

This Material is **HAZARDOUS** according to Safe Work Australia; Hazardous Substance

Classification of the substance or mixture:
Skin Corrosion - Sub-category 1C
Eye Damage - Category 1
Acute Aquatic Toxicity - Category 1

Hazard Statement(s):
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Poisons Schedule (SUSMP): S5 Caution.

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17. ANY OTHER RELEVANT INFORMATION

This Safety Data Sheet (SDS) has been prepared by Dalcon Hygiene

Reason(s) for Issue:

- Alignment to GHS requirements

This SDS summarises to the best of our knowledge at the date of issue, the chemical health and safety hazards of the material and provides general guidelines on how to safely handle the material. Dalcon Hygiene cannot anticipate or control the conditions under which the product may be used, stored and transported, therefore, each user must, prior to usage, assess and control the possible risks.

If clarification or further information is required, the user should contact Dalcon Hygiene at the contact details in section 1d.

By using this product, the user agrees that they have read and understood this SDS, and, knowing the risks associated with the product, wish to use the product.

Business Name: Dalcon Hygiene
Address: 36 Victoria St Smithfield NSW
P: (02)9604 1155
F: (02)9604 9055