



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: BLEACH - Regular, Lemon or Eucalyptus

Product Use: Commercial cleaning product, Whitener and Sanitiser

Miro's General Cleaning Services P/L trading as ATOMIC CHEMICALS

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2. HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion/Irritation, Category 2

Serious Eye Damage/Irritation, Category 2A

Pictograms:



Signal Word: WARNING

Hazard Statements:

H315 - Causes skin irritation

H319 - Causes serious eye

AUH031 - Contact with acids liberates toxic gas

Precautionary Statements:

Prevention

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

Storage

P405: Store locked up.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal

P501: Dispose of container in accordance with local/regional/national/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients

<u>Chemical Name:</u>	<u>CAS Number:</u>	<u>Proportion %:</u>
Sodium Hypochlorite	7681-52-9	4%
Sodium Hydroxide	1310-73-2	<0.5%
Water	7732-18-5	>60%



4. FIRST AID MEASURES

Poisons Information Centre: Phone 13 11 26

First Aid

Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Rinse mouth with water and give glass of water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and rinse continuously with plenty of water for at least 15 minutes and contact a doctor or Poisons Information Centre.

Skin: Remove any contaminated clothing and immediately wash contaminated skin with plenty of water. If irritation occurs, seek medical attention.

Inhaled: Remove affected person to fresh air. Seek medical attention if effects persist.

First Aid Facilities: Eye wash station.

Advice to Doctor: 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.

5. FIRE FIGHTING MEASURES

Fire/ Explosion Hazard: Non-combustible material

Fire Fighting Procedures: 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 product of decomposition.

Extinguishing Media: Foam, CO₂, Dry chemical or Water fog.

6. ACCIDENTAL RELEASE MEASURES

Spill Control: Contain large spills and mop up. Avoid contact to eyes. Use absorbent (soil or sand, sawdust) material to collect. Slippery when spilt. Place in a suitable, labelled container for waste disposal. Do not let spilled or leaking material enter drains and waterways.

7. HANDLING AND STORAGE

Handling: Avoid skin and eye contact, breathing in vapours. Keep out of reach of children.

Storage: Store in a well-ventilated place out of direct sunlight and heat. Store away from acid, combustible materials and foodstuffs. Keep containers closed at all times – check regularly for leaks. Containers must be carefully vented to release any pressure build-up. Transport and store upright with vent at top. This material is a Schedule Poison S5 and must be stored, maintained and use in accordance with the relevant regulations.



8. EXPOSURE CONTROL / PERSONAL PROTECTION

- Exposure Limits:** No value assigned for this specific material by the National Occupational Health and Safety Commission. However, exposure standard for chlorine: Peak Limitations = 3mg/cu.m (1ppm)
- Engineering Controls:** Natural ventilation should be adequate under normal use conditions.
Keep container closed when not in use.
- Personal Protection:** Eye: Safety goggles are recommended.
Skin: Avoid contact, wash thoroughly with water. Impervious gloves are recommended. Protective overalls are desirable. Always wash hands before smoking, eating, drinking or using the toilet.
Respiratory: If risk of inhalation exists, wear air supplied respirator meeting the requirements of AS/NZS 1715 and 1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Description/Properties

Appearance/Odour: Clear straw coloured liquid with Chlorine odour.

Boiling Point/Melting Point: 100°C

Vapour Pressure: Not determined

Specific Gravity: 1.12

Flashpoint: Not determined

Flammability Limits: Not determined

Solubility in Water: Completely miscible

Other Properties:

Reactivity: Contact with acids liberates toxic Chlorine gas.

Evaporation Rate: Not determined

pH: 11.5 - 13.0

Volatile Organic Compounds: Not determined

10. STABILITY AND REACTIVITY

- Stability:** Fairly stable. Incompatible with acids and metals contact may promote the formation of toxic chlorine gas.
- Reactivity:** Incompatible materials: Acids; also corrosive to aluminium, zinc and tin. General room ventilation is normally adequate. Keep containers closed when not in use.

11. TOXICOLOGICAL INFORMATION

Health Effects: *Acute*

Swallowed: May cause: Nausea, vomiting, diarrhea, and mild irritation to the gastro-intestinal tract.

Eye: May cause: Eye Irritation. Contact to eyes can cause corneal burns.

Skin: May cause: Skin Irritation. Repeated or prolonged skin contact may cause swelling and redness.

Inhaled: May cause: Irritation to mucous membranes, throat and lungs.

Prolonged exposure: May cause: Headache, Nausea, coughing and respiratory difficulty.

Health Effects: *Chronic:* Individuals with chronic respiratory disorders such as asthma, chronic bronchitis emphysema, etc., may be susceptible to irritating effects.

Toxicity Data: for sodium hypochlorite – Oral LD50: Acute: 5800 mg/kg [mouse], 8910 mg/kg [Rat]. This data is from published information.

12. ECOLOGICAL INFORMATION



Volatile Organic Compounds: Not determined.

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal of Containers: Rinse empty container thoroughly with water and place in trash collection.

Disposal Method: No special method. Observe all applicable governmental regulations and Local ordinances regarding disposal of non-hazardous materials.

Explosion Hazard: No explosion sensitivity

14. TRANSPORT INFORMATION

UN Number: None allocated

Hazchem Code: None allocated

Transport of Dangerous Goods: None allocated

Dangerous Goods Class and Subsidiary Risk: None allocated

15. REGULATORY INFORMATION

Poison Schedule Number: Schedule 5

AICS Listing: All components of Bleach are listed on the Australian Inventory of Chemicals Substances (AICS).

16. OTHER INFORMATION:

Abbreviations and Definitions of terms used:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
Cu.m	Cubic metre
deg C	Degrees Celsius
g	gram
kg	kilogram
mg	milligram
miscible	A liquid that mixes homogeneously with another liquid
ppm	parts per million

16. OTHER INFORMATION: Conti....

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