



## 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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**Emergency Telephone Number:** 13 11 26

## 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, CO<sub>2</sub>, 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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