



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: INDUSTRIAL BLEACH

Product Use: Commercial cleaning product, Bleach and Sanitiser

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

A.C.N 005 300 201 / A.B.N 77 005 300 201

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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 | 7681-52-8 | 6 |
| 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

Explosion Hazards: Industrial Bleach is not combustible.

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 and Storage: Store in a well-ventilated place out of direct sunlight. 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.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limits: Sodium Hypochlorite 1ppm ACGIH & NOHSC, TWA for decomposition product Chlorine.

Engineering Controls: Provide adequate ventilation. Avoid breathing vapour of product. Use with adequate ventilation.

Personal Protection: Eye: Full wrap around Safety goggles

Skin: Impervious Long Nitrile Gloves / PVC Apron / Safety Shoes



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: Complete

Evaporation Rate: Not determined

pH: 11.5 - 13.0

10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Contact with acids liberates toxic Chlorine gas.

11. TOXICOLOGICAL INFORMATION

Health Effects: *Acute*

Swallowed: May cause slight irritation to the gastro-intestinal tract.

Eye: May cause eye Irritation. Prolonged contact causes slight irritation.

Skin: Prolonged or repeated contact may cause mild irritation to sensitive skin. If irritation occurs discontinue use.

Inhalation: May cause: Irritation to mucous membranes. Prolonged exposure may cause: Headache, Nausea.

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

12. ECOLOGICAL INFORMATION

Volatile Organic Compounds: Not determined.

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATION

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

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: 5

AICS: All chemicals listed on the Australian Inventory of Chemicals Substances (AICS)

16. OTHER INFORMATION

LD50 (Acute Oral Toxicity): 8910mg/kg for a rat based on Sodium Hypochlorite
(12.5% avail. Chlorine)

LD50 (Acute Dermal Toxicity): Not determined

Carcinogenicity: None Known

Teratogenicity: None Known

Mutagenicity: None Known

Fish Toxicity: Not determined

Biodegradability: Not determined

Abbreviations and Definitions of terms used:

< less than

> greater than

% percentage

deg C Degrees Celsius

g gram

kg kilogram

LD50 The dose (swallowed all at once) which is lethal to 50% of a group of test animals.

mg milligram

miscible A liquid that mixes homogeneously with another liquid

ppm parts per million

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