



# ATOMIC CHEMICALS

MANUFACTURERS OF HIGH PERFORMANCE CLEANING CHEMICALS

## Safety Data Sheet

Issued: 1 January, 2020

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### 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

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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, 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 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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