



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** CHLOR-DET

**Product Use:** Commercial grade foaming bleach/caustic based detergent/sanitiser for general cleaning applications within the food industry.

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 1A to 1C

**Pictograms:**



**Signal Word:** DANGER

**Hazard Statements:**

H314: Causes severe skin burns and eye damage.

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**

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do Not induce vomiting.

P303+P361+P353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P310: Immediately call a POISON CENTER or doctor/physician.

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P363: Wash contaminated clothing before reuse.

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

**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>
Potassium Hydroxide	1310-58-3	<10
Surfactant (Propriety blend)	non-haz	<10
Sodium Hypochlorite	7681-52-9	<10
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, and as for strongly alkaline material.

### 5. FIRE FIGHTING MEASURES

**Fire/Explosion Hazard:** Chlor-det is not combustible. Can decompose upon heating liberating toxic fumes.

**Fire Fighting Procedures:** Normal fire-fighting procedures. Fire fighters to wear fully encapsulating, gas-tight suits for maximum protection.

**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. May be toxic to aquatic life.

### 7. HANDLING AND STORAGE

**Handling and Storage:** Store in a well-ventilated place out of direct sunlight.  
Store away from acids, oxidising agents, combustible materials and foodstuffs.  
Keep containers closed at all times - check regularly for leaks. Transport and store upright with vent at top.

**Segregation:** Store away from acids and oxidising agents.



## 8. EXPOSURE CONTROL /PERSONAL PROTECTION

**Exposure Limit:** 2mg/m<sup>3</sup> Peak limitation 1ppm TWA for decomposition product chlorine.  
**Engineering Controls:** Provide adequate ventilation. Avoid breathing vapour of product. Use with adequate ventilation.  
**Personal Protection:** Respiratory: If mists/vapours are not adequately controlled by local ventilation, use an inorganic/organic vapour respirator to prevent overexposure.  
Eye: Full wrap around Safety goggles  
Skin: Impervious Long Nitrile Gloves / PVC Apron / Safety Shoes

## 9. PHYSICAL AND REACTIVITY

### Physical Description/Properties

Appearance/Odour: Clear liquid with chlorine odour.

Boiling Point/Melting Point: 100°C

Vapour Pressure: Not determined

Specific Gravity: 1.30

Flammability Limits: Not determined

Solubility in Water: Complete

Evaporation Rate: Not determined

pH: >13.0

## 10. STABILITY AND REACTIVITY

**Stability:** Chlor-det is corrosive to aluminium, zinc and tin.

**Reactivity:** Avoid mixing with acids, hydrocarbons, alcohols, ethers and ammonia.

## 11. TOXICOLOGICAL INFORMATION

**Health Effects: *Acute:*** Corrosive to all body tissue on contact.

Swallowed: Will cause: Corrosive damage to mouth, throat and stomach.

Eye: Will cause: Chemical burns and/or Permanent eye damage.

Skin: Will cause: Chemical burns.

Inhaled: Will cause: Irritation and/or chemical burns to mucous membranes.

**Health Effects: *Chronic:*** None Known

## 12. ECOLOGICAL INFORMATION

**Volatile Organic Compounds:** Avoid contaminating waterways, toxic to aquatic organisms.

## 13. DISPOSAL CONSIDERATION

**Disposal Method:** Observe all applicable governmental regulations and Local ordinances regarding disposal of hazardous materials.

## 14. TRANSPORT INFORMATION



**UN Number:** 1719

**Hazchem Code:** 2R

**Dangerous Goods Class and Subsidiary Risk:** 8 PGII

**Transport of Dangerous Goods:** Classified by road and rail dangerous goods as **Class 8, PGIII**

**Contains:** Potassium Hydroxide & Sodium Hypochlorite

## 15. REGULATORY INFORMATION

**Poison Schedule:** Schedule 5

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

## 16. OTHER INFORMATION

LD50 (Acute Oral Toxicity):	Corrosive
LD50 (Acute Dermal Toxicity):	Corrosive
Carcinogenicity:	None Known
Teratogenicity:	None Known
Mutagenecity:	None Known
Fish Toxicity:	Not determined

**Biodegradability:** The surfactants are biodegradable per the Australian standard AS1792.

**Abbreviations and Definitions of terms used:**

<	less than
>	greater than
%	percentage
AICS	Australian Inventory of Chemical Substances
deg C	Degrees Celsius
g	gram
kg	kilogram
LD50	The does (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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