



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, 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. 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/m³ 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
Mutagenicity:	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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