

# SAFETY DATA SHEET

4M

Infosafe No.: HC05E  
ISSUED Date : 27/03/2018  
ISSUED by: Hydro-Chem Pty Ltd

## 1. IDENTIFICATION

### GHS Product Identifier

4M

### Company Name

Hydro-Chem Pty Ltd

### Address

23B Industrial Drive Braeside  
VIC 3195

### Telephone/Fax Number

Tel: (03) 9553 1011

### Emergency phone number

1300 558 788

### Emergency Contact Name

Tony Ventura

### Recommended use of the chemical and restrictions on use

Liquid bactericide used as a sanitizer.

DIRECTIONS FOR USE: Use at the rate of 300ml/1000 litres of water in the system. After use rinse all surfaces with potable water.

## 2. HAZARD IDENTIFICATION

### GHS classification of the substance/mixture

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Acute Toxicity - Dermal: Category 4

Acute Toxicity - Oral: Category 4

Eye Damage/Irritation: Category 1

Skin Corrosion/Irritation: Category 1A

### Signal Word (s)

DANGER

### Hazard Statement (s)

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

### Pictogram (s)

Corrosion, Exclamation mark



**Precautionary statement – Prevention**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash contaminated skin thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement – Response**

- P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/physician.
- P312 Call a POISON CENTER or doctor/physician if you feel unwell.
- P330 Rinse mouth.
- P363 Wash contaminated clothing before reuse.

**Precautionary statement – Storage**

- P405 Store locked up.

**Precautionary statement – Disposal**

- P501 Dispose of contents/container to / in accordance with local regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Information on Composition**

All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).

**Ingredients**

Name	CAS	Proportion
quaternary ammonium compound	N/A	10-30 %

**4. FIRST-AID MEASURES**

**Inhalation**

Remove victim from exposure - avoid becoming a casualty.  
 For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital.

**Ingestion**

Rinse mouth thoroughly with water immediately.  
 Give water or milk to drink. DO NOT induce vomiting.  
 For advice, contact a Poison Information Centre (Phone 13 11 26) or a doctor.

**Skin**

Remove contaminated clothes.  
 Wash affected areas with copious quantities of water.  
 If swelling, redness, blistering or irritation occurs seek medical advice.  
 Skin reaction may take 1-2 days to develop.

**Eye contact**

Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open.  
Seek medical attention.

**Advice to Doctor**

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

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**Fire Fighting Measures**

As in any fire, wear an approved self-contained breathing apparatus in pressure-demand, and full protective gear.

**Suitable Extinguishing Media**

Water fog, fine water spray, foam, dry chemical agent, carbon dioxide and sand.

**Specific Hazards Arising From The Chemical**

No unusual fire or explosion hazards.

Decomposes on heating emitting toxic carbon monoxide, nitrogen oxides and hydrogen chloride.

**Hazchem Code**

2X

## 6. ACCIDENTAL RELEASE MEASURES

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**Spills & Disposal**

Select from the following, depending upon the magnitude of the spill.

In event of large spill: Contain using sand and earth - prevent runoff into drains and waterways. If contamination of crops or waterways has occurred advise emergency services or State Department of Agriculture. If contamination of sewers or waterways has occurred advise the local emergency services. Collect and seal in properly labelled drums for disposal.

In the event of a small spill:

Use absorbent (soil or sand, sawdust, inert material, vermiculite).

Refer to State Land Waste Management Authority.

## 7. HANDLING AND STORAGE

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**Precautions for Safe Handling**

Handle and open containers with care.

Avoid prolonged or repeated contact with skin and eyes .

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed and dry

Keep away from direct sunlight

Sensitive to frost; in case of the product becoming opaque, thickening or being frozen due to the effects of cold conditions, allow to thaw slowly at room temperature. Stir or agitate briefly before use.

**Additional information on precautions for use**

Provide safety shower and eyewash close by. Handle according to good industrial hygiene and safety practice.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Occupational exposure limit values**

Not applicable.

**Appropriate Engineering Controls**

Use with adequate ventilation.

### **Personal Protective Equipment**

Wearing of the following personal protective equipment is recommended.

Chemical goggles.

Gloves required.

Appropriate protective clothing.

Always wash hands before smoking, eating, drinking or using the toilet.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **Form**

Liquid

### **Appearance**

Colourless to pale straw liquid, slight odour.

### **Boiling Point**

Not Allocated

### **Specific Gravity**

0.98 @ 20°C

### **pH**

6.5-7.5

### **Vapour Pressure**

Not Allocated

### **Flash Point**

Not Allocated

### **Flammability**

Non flammable.

### **Flammable Limits - Lower**

Not Allocated

## **10. STABILITY AND REACTIVITY**

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### **Chemical Stability**

Stable under normal use conditons.

### **Hazardous Decomposition Products**

No decomposition up to 200°C.

## **11. TOXICOLOGICAL INFORMATION**

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### **Acute Toxicity - Oral**

LD50 (rat) = 500 - 2000 mg/kg.

### **Ingestion**

Moderately toxic. May lead to CNS depression.

### **Inhalation**

Practically non-harmful by inhalation. Inhalation of mists or aerosols can produce respiratory irritation.

### **Skin**

Possible toxic effects. Repeated or prolonged skin contact may lead to dermatitic effects.

### **Eye**

A moderate eye irritant.

Permanent eye damage,including loss of sight,may occur.

#### **Chronic Effects**

Repeated or prolonged skin contact can cause chronic dermatitis.

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## **12. ECOLOGICAL INFORMATION**

#### **Environmental Protection**

This substance may be hazardous to the environment; special attention should be given to not discharging into drains, waterways, sewer or environment.

May cause long-term adverse effects in the aquatic environment.

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## **13. DISPOSAL CONSIDERATIONS**

#### **Waste Disposal**

Refer to State Land Waste Management Authority or a Licensed disposal contractor for disposal.

Empty containers must be decontaminated, rinse with water before landfill disposal.

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## **14. TRANSPORT INFORMATION**

#### **U.N. Number**

1903

#### **UN proper shipping name**

DISINFECTANT, LIQUID, CORROSIVE, N.O.S.(Quaternary Ammonium Compound)

#### **Transport hazard class(es)**

8

#### **Packing Group**

III

#### **Hazchem Code**

2X

#### **Storage and Transport**

Store in a cool, dry place.

If stored outside, protect from hot sun and freezing conditions.

This product is not considered as dangerous goods under current A.D.G. regulations.

#### **IERG Number**

36

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## **15. REGULATORY INFORMATION**

#### **Poisons Schedule**

S5

#### **Packaging & Labelling**

15 litre polyethylene drums.

205 litre steel drums.

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## **16. OTHER INFORMATION**

#### **Contact Person/Point**

Normal Working Hours - Ph: (03) 9553 1011 Fax: (03) 9553 1387

Ask for the Facilities Manager, Sales Manager or Services Manager.

After Hours - Ph : 1300 558 788

Further information/advice is available to those persons responsible for the design of safe work practices on their written request to HydroChem.

This SDS summarises to the best of our knowledge at the date of issue, the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

Hydro-Chem Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

If clarification or further information is required, the user should contact Hydro-Chem Pty Ltd using the contact details provided.

## END OF SDS

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