

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

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

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

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

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

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

Chemical Stability

Stable under normal use conditons.

Hazardous Decomposition Products

No decomposition up to 200°C.

11. TOXICOLOGICAL INFORMATION

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.

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.

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.

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

15. REGULATORY INFORMATION

Poisons Schedule

S5

Packaging & Labelling

15 litre polyethylene drums.

205 litre steel drums.

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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