



Material Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

Product name: Clear Water M40
Company: Building 26 Best Avenue
Mosman NSW 2088

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E-mail: info@cwPacific.com

Emergency telephone number: Poisons Information Centre: 13 1126 from anywhere in Australia.

Product Use: Processing aid for industrial applications.

Hazard Statement: Classified as hazardous according to criteria of Worksafe Australia.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification: Cationic polymer in solution.

Regulated Components:

Chemical name	CAS number:	Classification :	Weight %
Polydiallyldimethylammonium chloride	26062-79-3	R52/53	20-60

The wording of the hazard symbols and Risk phrases is specified in section 16 if dangerous ingredients are mentioned.

3. HAZARDS IDENTIFICATION

Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Spills produce extremely slippery surfaces.

4. FIRST AID MEASURES

Inhalation: Move to fresh air. No hazards which require special first aid measures.

Skin contact: Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.

Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Do not induce vomiting. No hazards which require special first aid measures.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water. Water spray. Foam. Carbon dioxide (CO₂). Dry powder.

Precautions: Spills produce extremely slippery surfaces.

Special protective equipment for firefighters: No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: No special precautions required.

Environmental precautions: Do not contaminate water.

Methods for cleaning up: Do not flush with water. Dam up. Soak up with inert absorbent material. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum. After cleaning, flush away traces with water. Keep in suitable and closed containers for disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Do not breathe vapors or spray mist. When preparing the working solution ensure there is adequate ventilation. When using do not smoke.

Storage: Keep in a cool, dry place (0 - 35 °C). Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

Personal protective equipment:

Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection: PVC or other plastic material gloves.

Eye protection: Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin and body protection: Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely.

Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Amber

Odor: Slight

pH: 5 - 7

Specific Gravity: 1.02 - 1.08

Melting point/range (°C): Not applicable

Flash point (°C): Does not flash

Freezing point (°C): -3

Autoignition temperature (°C): Does not ignite

Water solubility: Completely miscible

LogPow: 0

10. STABILITY AND REACTIVITY

Stability: Stable. Hazardous polymerisation does not occur.

Materials to avoid: Oxidizing agents may cause exothermic reactions.

Hazardous decomposition products: No decomposition if stored and applied as directed. Burning of the dried material can produce: hydrogen chloride gas, nitrogen oxides (NO_x), carbon oxides (CO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Oral: LD50/oral/rat > 5000 mg/kg.

Dermal: LD50/dermal/rabbit > 5000 mg/kg.

Inhalation: The product is not expected to be toxic by inhalation.

Irritation:

Skin: Not irritating.

Eyes: May cause slight eye irritation.

Sensitization: The results of testing on human volunteers (Human Insult Patch Test) showed this material to be non-sensitizing.

Chronic toxicity: A one-year feeding study on dogs did not reveal adverse health effects. A one-year feeding study on rats did not reveal adverse health effects.

Other information: Not mutagenic in Ames Test. Not mutagenic in micronucleus test on mice. A multi-generation study in rats showed no reproductive/developmental toxicity at a dose of 125 mg/kg/day. Not teratogenic, NOEL = 25 mg/kg.

12. ECOLOGICAL INFORMATION

Aquatic toxicity:

Toxicity to fish: LC50/Danio rerio (Zebra fish)/96 hours > 10 - 100 mg/L (OECD 203).

Toxicity to daphnia: EC50/Daphnia magna (Water flea)/48 hours > 10 - 100 mg/L (OECD 202).

Toxicity to algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

Environmental fate:

Persistence and degradability: Not readily biodegradable.

Hydrolysis: Does not hydrolyse.

Bioaccumulation: Does not bioaccumulate.

LogPow: 0

Other ecological information: The effects of this product on aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products: In accordance with local and national regulations

Contaminated packaging: Can be landfilled or incinerated, when in compliance with local, state and federal regulations
Rinse empty containers with water and use the rinse water to prepare the working solution

14. TRANSPORT INFORMATION

ADGC: Not classified as dangerous in the meaning of ADGC regulations.

IMDG/IMO: Not classified as dangerous in the meaning of IMO/IMDG regulations.

ICAO/IATA: Not classified as dangerous in the meaning of ICAO/IATA regulations.

15. REGULATORY INFORMATION

Classified according to Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008]:

Risk-phrase(s) :

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety-phrase(s) :

S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Australia (AICS): All components of this product are either listed on the inventory or are exempt from listing.

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This MSDS was prepared in accordance with the following: National Code of Practice for the preparation of Material Safety Data Sheets 2nd edition [NOHSC: 1008]

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.
