

Safety Data Sheet

Hy-Clor Liquid Flocculant 1Lt

REVIEWED: 22 MAY 2025

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Hy-Clor Liquid Flocculant 1Lt

Chemical name: Poly(diallyldimethylammonium chloride)

Synonyms: PDADMAC; 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer; Dimethyldiallylammonium chloride
N-allyl-N,N-dimethylprop-2-en-1-aminium chloride

Product Code: HYCLIQFLOC6X1

Recommended Use of the Chemical and Restrictions on Use: Swimming pool flocculant.

Supplier: HY-CLOR AUSTRALIA PTY LTD

Street Address: 178 Power Street
Glendenning NSW 2761

Telephone Number: 02 8805 2400

After Hours: 0404 859 515

Email: help@hyclor.com.au

Emergency Telephone: 131126 Poisons Information Centre – 24 hours
000 (Dial in case of transport , fire ambulance emergency only)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information."

2. HAZARD IDENTIFICATION

This product is not classified as a hazardous substance according to GHS classification criteria. It is not a Dangerous Good.

Poisons Schedule: Not Scheduled

GHS Classification: Not a hazardous substance

GHS Label elements, including precautionary statements: No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required

Other hazards: – none:

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Label Statements:	Keep out of reach of Children Read Label before use If medical advice is needed, have product container or label at hand.
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3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (% w/w)
Poly(diallyldimethylammonium chloride) PDADMAC)	26062-79-3	8-15
Non-hazardous ingredients		Balance

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre. Phone Australia 13 1126 or a doctor. Have this SDS when you call.

Swallowed:	Do not induce vomiting unless advised to do so from, a medical practitioner. Wash out mouth with water and give plenty of water to drink. Seek medical attention.
Skin:	Wash affected area thoroughly with soap and water. Remove contaminated clothing and shoes immediately. Wash before reuse or discard. If irritation occurs seek immediate medical attention.
Eye:	If contact with the eye(s) occurs, or if eye irritation arises, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation occurs seek immediate medical attention.
Inhaled:	Remove from contaminated area. If symptoms develop seek medical attention.
Note to Physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water, Foam, Carbon dioxide (CO2), Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. This material is not expected to burn unless heated to dryness. There are no known limitations of extinguishing agents.
Special hazards arising from the chemical:	Thermal decomposition (as may be experienced in a fire) may produce hydrogen chloride gas and/or may liberate oxides of nitrogen and carbon. Spills produce slippery surfaces and could present a physical hazard for firemen.

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Special protective equipment and precautions for fire firefighters:

In the event of fire, wear self-contained breathing apparatus. Contain runoff from fire control or dilution water - Runoff may cause pollution.

Further information:

Cool exposed containers with water spray after extinguishing fire.

Hazchem Code:

None

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedure

This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. . Evacuate the danger area, observe emergency procedures, consult an expert. Wear personal protective equipment as described in Section 8.

Environmental precautions

Keep spilt products out of drains, sewers and waterways. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

Methods and materials for containment and cleaning up

For minor spills, contain and absorb with inert materials (sand, earth), sweep up, place contaminated material in a sealed container and place in garbage. For large quantities dispose of at an approved waste management site. Wash area down with excess water.

7. HANDLING AND STORAGE

Precautions for safe handling

Observe normal personal hygiene. No special equipment is needed when handling small quantities. Keep container closed when not in use Avoid contact with eyes, skin and clothing. Wear chemical splash goggles, gloves, and protective clothing when handling. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid breathing mist/vapours/aerosols and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8)..

Safe storage, including any incompatibilities

Store in a cool, dry well-ventilated area, out of direct sunlight. Store in labelled, original containers. Keep containers tightly closed. Store between 5 - 30 °C. Avoid storage temperatures below freezing, since product may stratify.

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Changes in temperature create air pressure changes inside drums. Use proper precaution in unscrewing plug and/or opening container. Store away from incompatible materials described in Section 10.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: Exposure limits have not been established by Safe Work Australia for this product.

Exposure controls

Appropriate Engineering Controls: Eye wash bottle or emergency eye-wash fountain must be located in the work place. A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protective equipment - for manufacturing and bulk handling situations: The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

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| Clothing: | Wear overalls clothing including chemical resistant boots and apron where clothing is likely to be contaminated. |
| Skin Protection: | Wear gloves of impervious material such as PVC, neoprene or nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. |
| Eye Protection: | Tightly fitting safety goggles or full-faced shields as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. |
| Respiratory Protection: | Respiratory protection is not normally necessary, unless the production of vapour is significant. In such cases, engineering control is preferable. However, a suitable respirator may be worn that meets the requirements of AS/NZS 1715 and AS/NZS 1716. |
| Personal Hygiene: | Always wash hands after handling this product. |

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue liquid	Vapour density:	No data found
Odour:	Odourless	Density/Relative density:	1.09 g/cm ³ at 25 °C
pH:	5-8	Water solubility:	Completely
Melting point / freezing point:	<0 °C	Partition coefficient n-octanol/water:	log Pow: < 10,
Initial boiling point and boiling range:	,>100 °C	Auto-ignition temperature:	Not applicable
Flash point:	Not flammable	Decomposition temperature:	No data found
Evaporation rate:	= water	Viscosity:	No data found
Flammability:	Not flammable	Explosive properties:	Not explosive
Upper/lower flammability limits:	Not flammable	Oxidising properties:	None
Vapour pressure:	27 - 40 hPa at 25 °C	Molecular formula & molecular weight	C ₈ H ₁₆ ClN 161.67 g/mol

10. STABILITY AND REACTIVITY

Reactivity:	Stable.
Chemical Stability:	This product is stable and unlikely to react or decompose under normal circumstances. Thermal decomposition (as may be experienced in a fire) may produce hydrogen chloride gas and/or oxides of nitrogen and carbon.
Possibility of hazardous reactions:	No hazardous reactions ne under normal processing. Hazardous polymerization does not occur. ff.
Conditions to avoid:	None known..
Incompatible materials:	Incompatible/reactive with strong oxidizers. Contact with copper, copper alloys, aluminum, mild steel, iron or iron salts may cause corrosion/degradation.

11. TOXICOLOGICAL INFORMATION

No product data. Following information is for the hazardous component.

Acute Oral	LD ₅₀ oral rat: > 2000 mg/kg.
Acute Dermal	LD ₅₀ rat – > 2000 mg/kg.

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Skin corrosion/irritation	Mild.
Serious eye damage/eye irritation	Rabbit – mild eye irritation.-
Inhalation	No data found.
Respiratory or skin sensitisation	The weight of evidence does not support classification for sensitization.
Mutagenicity	The weight of evidence does not support classification for genotoxicity. Ames, and mouse micronucleus tests all negative.
Reproduction/Development	No data found.
Carcinogenicity	This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH, or OSHA.
Specific target organ toxicity - single exposure	Inhalation of mists or aerosols may cause respiratory irritation.
Specific target organ toxicity - repeated exposure	No data found.
Aspiration hazard	No data found.

12. ECOLOGICAL INFORMATION

Aquatic toxicity	Fish: 96h LC ₅₀ (<i>Danio rerio</i>) >10 mg/L. 96 h L ₅₀ (<i>Oncorhynchus mykiss</i>) 0.74 mg/L. Daphnia: 48 h LC ₅₀ 0.23 mg/L.
Persistence and degradability	Persistence – no data found. Chemical Oxygen - 500,000 mg/l (poly(diallyldimethylammonium chloride)) Demand (COD).
Bioaccumulative potential:	No data found.
Mobility in soil	No data found.
PBT identification:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Other adverse effects:	No data found.

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13. DISPOSAL CONSIDERATIONS

Disposal: Rinse empty containers in the pool and dispose of by wrapping with paper and putting in garbage. Dispose of contaminated packaging as for unused product. For larger quantities, refer to local government authority for disposal recommendations. Dispose of material through a licensed waste contractor. Normally suitable for disposal at approved land waste site. Handle uncleaned containers like the product itself.

14. TRANSPORT INFORMATION

This product is not a Dangerous Good.

15. REGULATORY INFORMATION

Poisons Standard (Scheduling):	Not scheduled
APVMA Product Number:	Not regulated by APVMA
Listing in the Australian Inventory of Chemical Substances (AICS)	Listed as 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, homopolymer & Poly-2-propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride

16. OTHER INFORMATION

ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.5, 2017.
AS/NZS	Australian Standard/New Zealand Standard.
CAS Number:	Unique Chemical Abstracts Service Registry Number
EC₅₀:	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species).
GHS:	Globally Harmonized System of classification and labelling of chemicals (GHS).
Hazchem Code:	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters.
HCIS:	Hazardous Chemical Information System (http://hcis.safeworkaustralia.gov.au/HazardousChemical).
IARC:	International Agency for Research on Cancer.
LC₅₀:	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population.
LD₅₀:	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).

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IDLH:	Immediately dangerous to life or health (IDLH) is defined by the US National Institute for Occupational Safety and Health (NIOSH).
LC₅₀:	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population.
NTP:	National Toxicology Program (USA.)
SDS:	Safety Data Sheet
STEL:	Short term exposure limit (STEL) means the time-weighted average maximum airborne concentration of a substance calculated over a 15 minute period.
TWA:	8-hour Time-weighted average (TWA) means the maximum average airborne concentration of a substance when calculated over an eight-hour working day, for a five-day working week.
WES:	Workplace exposure standard.
UN Number:	United Nations Dangerous Goods Number.

References:

Section 3 of this SDS is based on the SDS provided by the manufacturer.

Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023). The exposure standards comply with the Australian Workplace Exposure Standards for Airborne Contaminants. The Dangerous Goods Classification complies with the Australian Code for the Transport of Dangerous Goods by Road & Rail Edition 7.8, 2022. Other information from ChemIDPlus and linked databases and the European Chemicals Agency Classification and Labelling database. SDS for components,

Sections Revised: All

Replaces revision: n/a

Disclaimer

This Safety Data Sheet (SDS) has been prepared in compliance with the Work Safe Australia Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice (June 2023). The information in this SDS should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Hy-Clor Australia Pty. Limited shall not be held liable for any damage resulting from handling or from contact with the above product.

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