Safety Data Sheet
HY-CLOR SUPER CLARIFIER

REVIEWED: 13 July 2025
REPLACES: n/a
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1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	**HY-CLOR SUPER CLARIFIER**
Chemical name:	Poly Aluminium Chloride
Synonyms:	Aluminium chloride, basic, liquid; Aluminium sesquichlorohydrate; aluminum;chloride;hydroxide;hydrate
Product Code:	HYCCLOUT01
Recommended Use of the Chemical and Restrictions on Use:	Flocculent in Swimming pool water
Supplier: **Street Address:**	HY-CLOR AUSTRALIA PTY LTD 178 Power Street Glendenning NSW 2761
Telephone Number: **After Hours:**	02 8805 2400 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 classified as a

This product is classified as a hazardous substance according to its GHS classification. It is not a Dangerous Good (ADG 7.8).

Poisons Schedule: Not Scheduled

GHS Hazard Statement(s)

GHS Category and Hazard Statement(s) – as listed in a published ≥10% solution SDS No HCIS listing.

Skin Corrosion/irritation Category 2	**H315**	Causes skin irritation
Eye damage/irritation Category 2A	**H319**	Causes serious eye irritation

Precautionary statements

Prevention:
P264: Wash skinhoroughly after handling.
P280: Wear protective gloves/eye protection/face protection.

Response:
P302 + P352: IF ON SKIN: Wash with plenty of water.
P337 + P313 If eye irritation persists: Get medical advice.
P332 + P313 If skin irritation occurs: Get medical advice.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazard pictograms



Signal word **WARNING**

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

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Concentration (% w/w)
Poly Aluminium Chloride	1327-41-9	≤ 10%
Non-hazardous ingredient		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 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: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. There are no limitations of extinguishing agents.

Special hazards arising from the chemical:	Not combustible. Containers may explode when heated. Decomposes on heating, emitting hydrogen chloride gas and other toxic fumes. Ambient fire may liberate hazardous vapors.
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:	Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.
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. Avoid substance contact. Ensure adequate ventilation. Avoid breathing vapours. Avoid breathing vapours and contact with eyes, skin and clothing. 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	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).

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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 away from incompatible materials described in Section 10.

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: 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.

Clothing:	Wear overalls clothing including chemical resistant 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark blue liquid	**Vapour density:**	No data found
Odour:	Mild	**Density/**	No data found
pH:	2-3	**Water solubility:**	1.15 - 1.20
Melting point / freezing point:	Not applicable	**Partition coefficient n-octanol/water:**	Not applicable,
Initial boiling point and boiling range:	No data found	**Auto-ignition temperature:**	Not applicable
Flash point:	Not flammable	**Decomposition temperature:**	No data found
Evaporation rate:	No data found	**Viscosity:**	No data found
Flammability:	Not flammable	**Explosive properties:**	Not explosive
Upper/lower flammability limits:	Not flammable	**Oxidising properties:**	None
Vapour pressure:	No data found	**Molecular formula & molecular weight**	$AlClH_3O_2^+$ 97.46 g/mol

10. STABILITY AND REACTIVITY

Reactivity: Mildly corrosive to metals

Chemical Stability: This product is stable and unlikely to react or decompose under normal circumstances..

Possibility of hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposes on heating, emitting hydrogen chloride gas and other toxic fumes.
Conditions to avoid:	Extremes of temperature..
Incompatible materials:	acids, alkalis, strong oxidising agents, metals and nylon materials.

11. TOXICOLOGICAL INFORMATION

Acute Oral	No data found
Acute Dermal	No data found
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.-
Inhalation	No data found
Respiratory or skin sensitisation	The weight of evidence does not support classification for genotoxicity
Mutagenicity	The weight of evidence does not support classification for genotoxicity
Reproduction/Development	No data found
Carcinogenicity	The available data do not support classification as a carcinogen.
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

No data available for the product. Information given is based on xx components.

Aquatic toxicity	No data found
Persistence and degradability	No data found.
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.

13. DISPOSAL CONSIDERATIONS

Disposal: Rinse empty containers in the pool and dispose of by wrapping with paper and putting in garbage. For larger quantities, refer to 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 Aluminium chloride, basic; Aluminium hydroxide 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
EC_{50}:	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
LD_{50}:	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
IDLH:	Immediately dangerous to life or health (IDLH) is defined by the US National Institute for Occupational Safety and Health (NIOSH)
LC_{50}:	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:
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,

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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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