SAFETY DATA SHEET

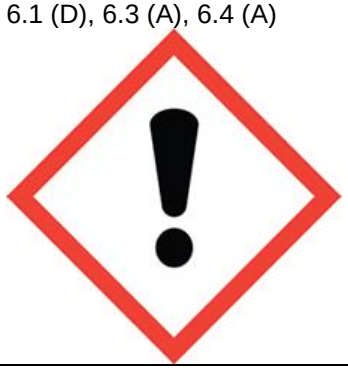
Section 1: Identification of the Substance/Mixture and of Supplier

Product name: **CW LIQUA FLOC**

Recommended use: Used for water treatment for coagulation.
Supplier: Space Industries Limited
Street Address: 160 Plunket Ave,
Wiri, Auckland
New Zealand
Telephone Number: + 64 9 262 3902
Facsimile: + 64 9 262 3948
E-mail Orders: orders@spaceindustries.co.nz
Website: www.spaceindustries.co.nz
Emergency Telephone 0800 764 766 (all hours)
Date of preparation: March 2021

Section 2: Hazards Identification

Hazard Classification: 6.1 (D), 6.3 (A), 6.4 (A)



Section 3: Composition/information on ingredients

Product Description: Used for water treatment for coagulation.
Pale amber clear liquid
Components Polyaluminium chloride
CAS Number 1327-41-9
Proportion <60%
Risk Phrases R22 R36/38

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor
Short term exposure by all routes is considered to be harmful.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue

	flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes..
Ingestion:	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek immediate medical assistance.
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	Non combustible.
Suitable Extinguishing Media:	Use extinguishment appropriate to burning metal.
Fire-fighting advice:	Decomposes on heating emitting toxic fumes, including those of hydrogen chloride. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Section 6: Accidental Release Measures

Procedures to be covered:	Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

Section 7: Handling and Storage

Handling:	Avoid skin and eye contact and breathing in vapour, mists and aerosols.
Storage:	Store in a cool, dry, well ventilated place and out of direct sunlight. Store in a tank lined with anticorrosive material eg rubber, plastics, etc. Use dosing pump with anti acid property, PAC will corrode stainless steel. Check regularly for leaks.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits:	No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH).
Engineering Control Measures:	No ventilation needed
Personal Protective Equipment:	Overalls and rubber boots should be worn when handling. As product can cause eye irritation, safety glasses or goggles should be worn. The use of PVC or rubber gloves is recommended. Wash contaminated clothing and other protective equipment before storage or re-use

Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Pale amber
Odour:	Mild
Solubility:	Soluble in water

Specific Gravity/Bulk Density:	1.20 @20°C
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not available
Boiling Point/ Melting Point	103°C
pH of Solutions:	2 - 4 (10% polyaluminium chloride)Alkaline

Section 10: Stability and Reactivity

Stability:	Slowly corrodes metals.
Hazardous decomposition products:	Polyaluminium Chloride
Hazardous reactions:	Reacts with calcium hypochlorite, acids and alkalis . Slowly corrodes metals..

Section 11: Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Capable of causing irritation if swallowed. Practically non toxic.
Eye contact:	Irritating in the eye.
Skin contact:	Mild irritation.
Inhalation:	Irritant to mucous membranes.

Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways.

Section 13: Disposal Considerations

Refer to Waste Management Authority.
Dispose of material through a licensed waste contractor.

Section 14: Transport Information

Road and Rail Transport:	Not classified as a Dangerous Good under NZS 5433:1999 Transport of Dangerous Goods on Land.
Marine Transport:	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Section 15: Regulatory Information

HSNO Classification:	Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.
Hazard Classifications:	6.1 Category D - Substances which are acutely toxic. 6.3 Category A - Substances that are irritating to the skin. 6.4 Category A - Substances that are irritating to the eye.

Section 16: Other Information

.Issue Date: March 2021

Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.