

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: Not classified as a Dangerous Good under NZS 5433 Transport of Dangerous Goods on Land; NON-DANGEROUS GOODS.

Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020

Warning

Signal Word:

HSR002684 Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020

Erma:



Acute toxicity - Oral Category 4
 Skin corrosion/irritation Category 2
 Serious eye damage/eye irritation Category 2

Label elements Hazard statements

H302 - Harmful if swallowed

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements - Prevention

Wash hands thoroughly after handling

Do not eat, drink or smoke when using this product

Wear protective gloves / protective clothing / eye protection / face protection Precautionary Statements

- Response Category 2 Specific treatment (see First aid on this SDS) IF IN EYES: Rinse cautiously

with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention IF ON SKIN: Wash with plenty of soap and water Call a POISON CENTER or doctor/physician if you feel unwell Take off contaminated clothing and wash before reuse IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth Precautionary Statements - Storage No storage statements Precautionary Statements - Disposal Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

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: | Poyaluminium 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

| | |
|--------------|---|
| ERMA: | HSR002684 Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020 |
|--------------|---|

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. |