

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

Product name: Clarity Clarifier Tablets
Recommended use: Water clarifier.
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@spaceindustries.co.nz
Website: www.spaceindustries.co.nz
Emergency Telephone 0800 764 766 (all hours)
Date of preparation: Feb 2025

Section 2: Hazards Identification

Hazard Classification: Hazardous according to the criteria or the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
ERMA Approval Code: HSR002684 Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020
Hazard Categories: Acute Toxicity (all) – Category 4
 Eye Irritation – Category 2
 Hazardous to the Aquatic Environment – Category 3

Pictograms:



Signal Word: WARNING

Hazard Statements:
 H302 – Harmful if swallowed
 H319 – Causes serious eye irritation
 H400 – Very toxic to aquatic life
 H433 – Harmful to terrestrial invertebrates

Precautionary Statements:	
General	P102 – Keep out of reach of children P103 – Read Label before use
Prevention	P220 – Store away from combustible materials P264 – Wash hands thoroughly after handling P270 – Do not eat drink or smoke when using this product P273 – Avoid release to the environment P280 – Wear protective gloves, clothing and eye/face protection
Response	P101 – If medical assistance is needed have the container at hand P330 – Rinse Mouth P391 – Collect Spillage P301 + P312 -IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
Disposal	P337 + P313 -if eye irritation persists get medical attention. P501 – Dispose of any left over chemical at an approved hazardous substance collection facility

Section 3: Composition/information on ingredients

Component(s):	ALUMINIUM SULPHATE
CAS Number	10043-01-3
Proportion	15%-20%
Component(s):	SODIUM CARBONATE
CAS Number	497-19-8
Proportion	80%-85%

Section 4: First Aid Measures

Show this Safety Data Sheet to a Doctor

NEVER GIVE ANYTHING BY MOUTH IF UNCONSCIOUS

Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Seek immediate medical attention
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Skin Contact:	Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
Eye Contact:	Irrigate eyes with generous quantities of water for 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.
Ingestion:	Rinse mouth. DO NOT induce vomiting. Give a glass of water to effectively dilute the product. . If breathing has stopped, trained personnel should begin artificial respiration. If the heart has stopped begin CPR immediately.
Notes for the Doctor:	Treat symptomatically.
For advice, contact the Poisons Information Centre 0800 764 766 or a doctor	

Section 5: Fire Fighting Measures

Specific Hazards:	Non-combustible solid. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. When heated to decomposition may produce oxides of sulphur. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Not considered to be an explosion hazard.
Suitable Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.
Fire-fighting advice:	Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Section 6: Accidental Release Measures

Emergency Procedures	Personnel involved in the clean up should wear full protective clothing. Wear safety glasses with side shields. Avoid dust formation.
Methods and Materials for Containment and Clean Up	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labeled waste container and dispose of promptly.

Section 7: Handling and Storage

Handling:	• Ensure an eye bath is available and ready for use. • Observe good personal hygiene practices and recommended procedures. • Do not breathe in dust. • Wash hands thoroughly after handling. • Do not eat, drink or smoke when using this product. • Store away from foodstuffs. • Avoid eye and skin contact.
Storage:	• Keep only in original container. • Store in a cool, dry, well-ventilated area away from structural steel.

- Keep containers tightly closed when not in use.
- Inspect regularly for deficiencies such as damage or leaks.
- Protect against physical damage.

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:	Use in well ventilated area. Avoid breathing in dust.
Personal Protective Equipment:	Safety glasses PVC gloves, mask if dusty

Section 9: Physical and Chemical Properties

Physical state:	White tablets
Colour:	White
Odour:	Odourless
Boling/melting Point:	86°C
Specific Gravity/Bulk	1.7
Vapour Pressure:	Not relevant
Flash Point (°C):	Unknown
Percent Volatilise:	Not available
Flammability Limits:	Not available
Autoignition Temperature:	Not available
Other Properties:	When heated to above 650°C forms aluminium oxides and sulphur trioxide.

Section 10: Stability and Reactivity

Stability:	Product is stable under normal conditions of use, storage and temperature.
Conditions to Avoid	Moisture and incompatibles.

Section 11: Toxicological Information

Ingestion:	May cause abdominal pain, nausea and vomiting.
Eye contact:	Dust can cause irritation of the eyes. Concentrated solutions may cause severe eye damage. Dust and concentrated solutions can cause irritation, especially of open cuts.
Skin contact:	Dust forms sulphuric acid in contact with moisture in air or in tissues. Can cause sore throat. Coughing and irritation of nose and throat. High concentrations may cause congestion and constriction of airways.
Inhalation:	Prolonged exposure can cause irritation and numbing of the fingers.

Health effects – Chronic:	Repeated ingestion may cause phosphate deficiency, which can weaken bones. Ingested material is not easily absorbed. It reacts with phosphate, forming an insoluble compound, which is readily passed out of the body. Inhaled dust may accumulate in the lungs until slowly cleared.
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Section 12: Ecological Information

Environmental fate, persistence and degradation:	Avoid contaminating waterways.
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Section 13: Disposal Considerations

- Recycle wherever possible. Special hazard may exist - specialist advice may be required. - Consult approved Waste Management Company for disposal options.	
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Section 14: Transport Information

Road and Rail Transport:	Classified as a non - dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.
Sea Transport	Non Hazardous except if shipped in a single bulk package of 500 pounds or more, then it is UN 3077, Hazard Class 9, Packing Group III

Section 15: Regulatory Information

ERMA:	HSR002684 Water Treatment Chemicals (Subsidiary Hazard) Group Standard 2020
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Section 16: Other Information

Issue Date: Feb 2025 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.	
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