

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

**Product name:** **ALUM FLOC**

**Recommended use:** Water and waste treatment, tanning agent, paper and pulp processing and food additive.

**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](mailto:orders@spaceindustries.co.nz)

**Website:** [www.spaceindustries.co.nz](http://www.spaceindustries.co.nz)

**Emergency Telephone:** 0800 764 766 (all hours)

**Date of preparation:** 11 April 2022

### Section 2: Hazards Identification

**Hazard Classification:** Not classified as hazardous

6.1D(oral), 6.3A, 8.1A, 8.3A, 9.1B (fish), 9.3C

### Section 3: Composition/information on ingredients

**Product Description:** Water treatment

**Component(s):** ALUMINIUM SULPHATE

**CAS Number:** 10043-01-3

**Proportion:** 100%

### 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

**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.



<b>Personal Protective Equipment:</b>	Safety glasses with side shields Dust mask or respirator with dust cartridge. PVC gloves
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### Section 9: Physical and Chemical Properties

<b>Physical state:</b>	White lustrous crystals, granules or powder
<b>Colour:</b>	White
<b>Odour:</b>	Odourless
<b>Boiling/melting Point:</b>	86°C
<b>Specific Gravity/Bulk</b>	1.7
<b>Vapour Pressure:</b>	Not relevant
<b>Flash Point (°C):</b>	Unknown
<b>Percent Volatilise:</b>	Not available
<b>Flammability Limits:</b>	Not available
<b>Autoignition Temperature:</b>	Not available
<b>Other Properties:</b>	When heated to above 650°C forms aluminium oxides and sulphur trioxide.

### Section 10: Stability and Reactivity

<b>Stability:</b>	Product is stable under normal conditions of use, storage and temperature.
<b>Conditions to Avoid</b>	Moisture and incompatibles.
<b>Incompatible Materials</b>	Corrosive to metals in the presence of water.
<b>Hazardous Decomposition Products</b>	Hydrolyzes to form dilute sulfuric acid. Toxic and corrosive oxides of sulfur may be formed when heated to decomposition

### Section 11: Toxicological Information

<b>Ingestion:</b>	May cause abdominal pain, nausea and vomiting. Concentrated solutions (over20%) can cause burns of the mouth, bleeding stomach, in coordination, muscle spasms and kidney injury.
<b>Eye contact:</b>	Dust can cause irritation of the eyes. Concentrated solutions may cause severe eye damage.
<b>Skin contact:</b>	Dust and concentrated solutions can cause irritation, especially of open cuts.
<b>Inhalation:</b>	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.
<b>Health effects – Chronic:</b>	Prolonged exposure can cause irritation and numbing of the fingers. Repeated ingestion may cause phosphate deficiency, which can weaken bones. Ingested material is not easily absorbed. It reacts with phosphate, foaming an insoluble compound, which is readily passed out of the body. Inhaled dust may accumulate in the lungs until slowly cleared.

**Section 12: Ecological Information**

<b>Environmental fate, persistence and degradation:</b>	Avoid contaminating waterways.
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**Section 13: Disposal Considerations**

<ul style="list-style-type: none"> <li>• Recycle wherever possible. Special hazard may exist - specialist advice may be required.</li> <li>• Consult approved Waste Management Company for disposal options.</li> </ul>
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**Section 14: Transport Information**

<b>Road and Rail Transport:</b>	Classified as a non - dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land.
<b>Sea Transport</b>	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**

<b>Classification:</b>	NOT Hazardous according to criteria of NOHSC/ASCC
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**Section 16: Other Information**

<p>.Issue Date: 11 April 2017</p> <p>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.</p>
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