

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

Product name: ALUM FLOC

Recommended use: Supplier: Street Address:	Water and waste treatment, tanning agent, paper and pulp processing and food additive. Space Industries Limited 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:	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 UNCONSCOIUS	
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.	



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 with side shields Dust mask or respirator with dust cartridge. PVC gloves

Section 9: Physical and Chemical Properties	
Physical state:	White lustrous crystals, granules or powder
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.
Incompatible Materials	Corrosive to metals in the presence of water.
Hazardous Decomposition Products	Hydrolyzes to form dilute sulfuric acid. Toxic and corrosive oxides of sulfur may be formed when heated to decomposition

	Section 11: Toxicological Information	
Ingestion:	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.	
Eye contact:	Dust can cause irritation of the eyes. Concentrated solutions may cause severe eye damage.	
Skin contact:	Dust and concentrated solutions can cause irritation, especially of open cuts.	
Inhalation:	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.	
Health effects – Chronic:	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.	

Γ



Section 12: Ecological Information

Environmental fate,	
persistence and	
degradation:	

Avoid contaminating waterways.

Section 13: Disposal Considerations

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

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
Classification:	NOT Hazardous according to criteria of NOHSC/ASCC

Section 16: Other Information

.Issue Date: 11 April 2017

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.