

SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Trade Name:	ALGAE MASTER		
SUPPLIER:	Aquatic Technologies		
ADDRESS:	42 Yazaki Way Carrum Downs VIC 3201, Australia		
TELEPHONE	+61 409 180 707	FAX:	
Substance:	Crystals/Granules/Powder	Product Use:	Algae Treatment
This version issued:	July 2020	Up for revision:	July 2025
In case of Emergency:	13 11 26 – Poisons Information Centre		

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture	
<ul style="list-style-type: none"> This product is classified as HAZARDOUS according to the criteria of SWA The product is classified as HAZARDOUS according to the criteria of GHS This product is a NON-DANGEROUS GOOD according to Australian Dangerous Goods (ADG) Code 	
GHS – GLOBALLY HARMONISED SYSTEM	
GHS Classification	Acute Oral Toxicity - Category 4 Skin Irritation - Category 2 Eye Damage - Category 1
GHS Pictogram	
GHS Signal Word	DANGER
Hazard Statement(s)	
H302:	Harmful if swallowed
H315:	Causes skin irritation
H319:	Causes serious eye irritation
General	
P101:	If medical advice is needed, have product container or label at hand
P102:	Keep out of reach of children
P103:	Read label before use
Prevention	
P264:	Wash hands thoroughly after handling
P270:	Do not eat, drink or smoke when using this product
P280:	Wear protective gloves/eye protection/face protection
Response	
P301+P312:	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P330:	Rinse mouth
P302+352:	IF ON SKIN: Wash with plenty of soap and water
P321:	Specific measures (see first aid measures on this label)
P332+P313:	If skin irritation occurs: Get medical advice/attention
P362:	Take off contaminated clothing and wash before reuse
P305+P351+P338:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310:	Immediately call a POISON CENTER or doctor/physician
Storage	
No storage statements	
Disposal	
P501:	Dispose of contents/container in accordance with local regulations

EMERGENCY OVERVIEW	
Colour:	Pale Brown opaque
Odour:	Odourless
Physical Description:	Liquid
Major Health Hazards:	Not available

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion	Hazard Codes
Aluminium Sulphate	10043-01-3	<10%	H302, H315, H318, H412
Ingredients determined not to be hazardous		to 100%	

SECTION 4 – FIRST AID MEASURES

Scheduled Poisons: Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).

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. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

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:

Immediately wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

Ingestion:

Immediately rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.

Indication of immediate medical attention and special treatment needed:

Treat symptomatically. Can cause corneal burns. Product is a strong astringent.

Advice to Doctor: Ensure label is on hand. Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

SECTION 5 – FIRE FIGHTING MEASURES

Specific hazards arising from the chemical:	Non-combustible material.
Extinguishing Media:	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
Special protective equipment and precautions for fire-fighters:	Decomposes on heating emitting toxic fumes, including those of oxides of sulfur. 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

Emergency Procedures:	<ul style="list-style-type: none"> Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.
Personal precautions/ Protective equipment/ Methods and materials for containment and cleaning up:	<ul style="list-style-type: none"> 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). Neutralise residues with lime or soda ash. 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. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501** set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Control Parameters

National Exposure Standards:	Aluminium Sulphate: No specific exposure standard. Aluminium soluble salts (as Aluminium): 8hr TWA = 2 mg/m ³
Biological Limit Values:	No data available
Appropriate Engineering Controls:	Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Keep containers closed when not in use.

PERSONAL PROTECTION EQUIPMENT (PPE)

Eye Protection:	 Chemical splash goggles or safety glasses with side shields and a full-face shield as appropriate should be used
Skin Protection:	 Protective cotton overalls, buttoned at the neck and wrists. Wear elbow-length gloves of impervious material
Protective Material Types:	PVC or rubber
Respirator:	 If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable particulate/dust filter should be used

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical Description and Colour:	Pale brown opaque liquid
Odour:	Odourless
Solubility:	Miscible with water
Specific Gravity:	1.4 -1.5
Relative Vapour Density (air=1):	Not available
Vapour Pressure (20°C):	Not available
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition temperature (°C):	Not available
Boiling Point/Range (°C):	>100
Decomposition Point (°C):	Not available
pH:	2.4 – 3.0

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	Corrodes metals
Chemical Stability:	This material is considered to be stable
Possibility of hazardous reactions:	Corrosive to most metals. Hazardous polymerisation will not occur.
Conditions to avoid:	Avoid exposure to extremes of temperature. Avoid contact with foodstuffs
Incompatible materials:	Incompatible with alkaline materials, metals
Hazardous decomposition products:	Oxides of sulfur. Oxides of aluminium.

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:	Swallowing can result in nausea, vomiting, diarrhea, and gastrointestinal irritation.
Eye:	A severe eye irritant. Contamination of eyes can result in permanent injury.
Skin:	Contact with skin will result in severe irritation.
Inhalation:	Breathing in mists or aerosols may produce respiratory irritation.

Acute toxicity

No LD50 data available for the product. However, for the active constituent:

LD50: 980 mg/kg (mice, oral)

LD50: 370 mg/kg (rat, oral)

Chronic (long term)

No information available for this product

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways

Refer to Waste Management Authority. Dispose of contents and container in accordance with local, regional, national, international regulations.

SECTION 14 – TRANSPORT INFORMATION**Road and Rail Transport**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail: **NON-DANGEROUS GOODS.**

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea: **NON-DANGEROUS GOODS.**

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air: **NON-DANGEROUS GOODS.**

SECTION 15 – REGULATORY INFORMATION**Labeling Details**

Classification:	This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.
Classification of the chemical:	Acute Oral Toxicity - Category 4 Skin Irritation - Category 2 Eye Damage - Category 1
Hazard Statement(s):	H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage.
Poisons schedule (SU MP)	Not allocated

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16 – OTHER INFORMATION**This SDS contains only safety-related information. For other data see product literature****Date of Last Revision**

AT199v1.1 - 15/12/18

Acronyms

ADG CODE	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AIC S	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSIS	Hazardous Substances Information System
IARC	International Agency for Research on Cancer
NICNAS	The National Industrial Chemicals Notification and Assessment Scheme
NOHSC	National Occupation Health and Safety Commission
NTP	National Toxicology Program (USA)
STEL	Short Term Exposure Limit - the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
TWA	The time-weighted average airborne concentration of a particular substance when calculated over an eight-hour working day, for a five-day working week
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (Feb 2016)
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END OF SDS