

Safety Data Sheet

1. IDENTIFICATION

Product Name: POOL BLOCKS ALL SEASONS ALGICIDE 0.6Kg & 1.5Kg
Other Names: POOL BLOCKS
Physical Description: Light blue block or tablet weighing 300g .
Uses: Solid algicide tablet to treat swimming pools for all algae types including Blackspot.
Manufacturer: ALGAEFREE AUSTRALIA.
 2 / 24 Cohn Street, CARLISLE 6101 Western Australia.
 Tel +61 8 9472 4000
Canadian Agent: SELECT POOL PRODUCTS. www.selectpoolproducts.ca
 3345 North Service Road , #104A Burlington, ON L7N 3G2.
 Tel: 905.331.0889 Tel/Fax: 1.855.881.0889 Fax: 905.335.5840
Emergency Contact : Contact a Doctor or any Poisons Information Centre in Canada or call 911.

2. HAZARDS IDENTIFICATION

TDG CODE: Not Classified. (*Transportation of Dangerous Goods Regulations Amend SOR/2016-95*)
IMDG CODE: Non Dangerous Good (*IMDG 2016 Edition Amendment 38-16*)
WHIMS: Exempt (*WHIMS 2015*)
PCP Act: Reg. No. 25693 P.C.P. ACT
GHS: Classified as Hazardous - Acute Toxicity(Oral) Cat.4, Skin Corrosion/Irritation Cat.2, Eye Corrosion/Irritation Cat. 2
GHS Signal Word: WARNING
Hazard Statement: H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
Prevention: P102 Keep out of reach of children.
 P264 Wash contacted areas thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P281 Use personal protective equipment as required.
Response: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P330 Rinse mouth.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing,
 P332+P313 If skin irritation occurs: Get medical attention/advice.
 P337+P313 If eye irritation persists: Get medical attention/advice.
 P362 Take off contaminated clothing and wash before reuse.
Disposal: P501 Dispose of container in accordance with local government regulations.

3. COMPOSITION & INFORMATION ON INGREDIENTS

A Mixture with Active Constituent: 64g/Kg copper (Cu) present as Copper Sulphate.

Ingredients:	Proportions %	CAS No.
Copper Sulphate Pentahydrate	25.6%	7758-98-7
Non Hazardous Ingredients	< 75%	Non Hazardous

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4. FIRST AID MEASURES

First Aid Measures by Routes of Exposure.

General: If poisoning occurs, contact a doctor or Poisons Information Centre in Canada or call 911.

Advice to Doctor: Treat symptomatically.

Swallowed : If swallowed, and if more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup APF. Seek urgent medical attention. Ingestion is considered unlikely and can result in a burning sensation to the mouth, throat and oesophagus, vomiting and nausea.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Remove contact lenses, if present and easy to do. Continue rinsing, Can cause inflammation. If eye irritation persists get medical attention/advice.

Skin: If skin contact occurs, remove contaminated clothing, shoes, leather bands, belts etc. and wash skin thoroughly using non-abrasive soaps. Wash hands after use. Can irritate if contact is prolonged. If skin irritation occurs get medical attention/advice.

Inhaled: Not considered relevant as no airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage. May cause mild discomfort.

First Aid Facilities: If practicable an eye wash station and skin barrier creams.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable. No fire or explosion hazard exists. Will evolve toxic sulphur oxide vapours when heated to decomposition. Very soluble in water.

Extinguishing Media: Use an extinguishing agent appropriate for the surrounding fire.

Exposure Hazards: No specific hazards.

Protective Equipment: Fire-fighters should wear full protective gear including self contained breathing apparatus when fighting chemical fires. Any water run off should be minimised and contained.

Hazchem Code: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Product is a solid Tablet form. No irritating vapours are likely to occur in a poorly ventilated area. Avoid indirect contact with eyes, skin and dust from handling by using appropriate PPE. Contain and sweep up large quantities with a broom into containers. Avoid release to drains and waterways. If product does enter waterway, advise the local environmental or emergency service. Dispose in accordance with environmental regulations. Wash hands thoroughly with soap and water if contact occurs.

7. HANDLING & STORAGE

Handling: Avoid contact with eyes & skin and use appropriate PPE for skin and eyes. Wash hands after use. Dispose of container by wrapping in paper, placing in a plastic bag and placing in a garbage bin. Not to be used as a food container. Protect from physical damage. Always use safe handling chemical procedures.

Storage: Store in the closed original container in a cool dry place out of reach of children. Store away from incompatible materials as listed in section 10. Do not store in direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

No exposure standard has been established for this product. No airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage.

However we can consider the exposure standard for **Copper Dusts and mists (as Cu): 8hr TWA = 1mg/m3 (fume)**. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides and are not a measure of relative toxicity. CONTINUED OVER PAGE...

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Engineering Controls: Local exhaust acceptable with special exhaust not required.
Ventilation : General room ventilation is normally adequate.
Eye Protection : Use chemical safety glasses, goggles or a face shield when using this product.
Skin Protection : Wear rubber or PVC gloves and protective clothing. Discard or wash clothing that has been contaminated with product concentrate.
Personal Respirators : Not normally necessary when using this product.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Block or Tablet, Light blue in colour
Odour: None
Chemical Type: Mixture
pH : Not Applicable
Solubility: Soluble
Flammability: Not Flammable

10. STABILITY & REACTIITY

Stability & Reactivity : Stable
Incompatibility : Incompatible with strong acids. Exhibits a low corrosion potential with only minor galvanic and alkaline susceptibility to metals in direct contact.
Hazardous Decomposition Products: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

No specific data available for this product mixture.
 We can consider Toxicological information for Copper Sulphate Pentahydrate CAS No. 7758-98-7:

Test	Result	Route	Species
LD50	300mg/Kg	Oral	Rat
LD50	< 2000mg/Kg	Dermal	Rat

Acute Effects: Eye; irritating to eyes. Skin; moderately irritating. Capable of causing skin reactions which may lead to dermatitis. Inhalation; dust may be discomforting to the upper respiratory tract. Ingestion; maybe harmful if swallowed.
Carcinogenicity : Not listed as a carcinogen
Teratogenicity and Embryotoxicity : There are no reports of this condition in humans.
Toxicological Synergistic Materials : No Information available
Mutagen city : No human data available.
Potential for Accumulation : Copper is an essential element and its level in the body is strictly controlled. Under most conditions , excess copper is excreted in the urine and faeces (via the bile).

12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms,
 May cause long-term adverse effects in the aquatic environment. Copper accumulates in soils. The fate of copper in water is dependent on a number of variables, but particularly pH. Copper is an essential nutrient in all organisms.

13. DISPOSAL CONSIDERATIONS

Recycle whenever possible or consult manufacturer for recycling options. Dispose of in accordance with all local, state & federal environment and waste disposal requirements or legislation. Refer to product label.

Safety Data Sheet

14. TRANSPORT CONSIDERATIONS

Road & Rail:	Non Dangerous Goods - Exempt from the packing group criteria in 2.28 for UN2775 as per 2.31 in the Consolidated Transportation of Dangerous Goods Regulations Amend SOR/2016-95.
Sea:	Non Dangerous Goods - Exempt from the packing group criteria in 2.6.2 for UN2775 as per 2.6.2.3.2 and exempt from 2.10 subject to 2.10.2.2 and 2.10.2.7 in containers less than 5kg as per the International Marine Dangerous Goods Code 2016 Edition Amendment 38-16.
Hazchem:	Not Applicable.

15. REGULATORY INFORMATION

PMRA:	Product is approved and regulated by the PMRA. Approval numbers are Reg. No. 25693 P.C.P. ACT the 0.6kg & 1.5Kg pack sizes. This product has been classified by the PMRA according to the PCPA .
Legislation:	This SDS has been prepared according to WHIMS 2015 .

16. OTHER INFORMATION

Disclaimer:	<p>This Safety Data Sheet has been developed from the guidelines of WHIMS2015, TDG, IMDG and the GHS Globally Harmonized System of Classification and Labelling of Chemicals Rev.3 2009. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.</p> <p>The information is supplied upon the condition that the persons/companies receiving same will make their own determination as to its suitability for their purposes prior to use of the product. The physical data shown herein are typical values based on material tested.</p> <p>These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.</p> <p>Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with the relevant Federal, State and Local Government regulations.</p> <p>This SDS contains primarily safety information.</p> <p>Additional Information can be obtained by visiting our website www.algaefreeaustralia.com</p>
Acronyms:	

CAS No.	Chemical Abstracts Service Registry Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals Rev.3 2009
IMDG	International Marine Dangerous Goods Code 2016 Edition, Amendment 38-16.
PMRA	Pest Management Regulatory Agency (Health Canada)
PPE	Personal Protective Equipment
TDG	Consolidated Transportation of Dangerous Goods Regulations Amend SOR/2016-95.
UN	United Nations Number
WHIMS	Workplace Hazardous Materials Information System 2015

END OF SDS

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1. IDENTIFICATION

Product Name: POOL DROPS LIQUID ALGICIDE PLUS 6% 1.0L
Other Names: POOL BLOCKS
Physical Description: Liquid, Deep Blue in Colour.
Uses: Liquid algicide used to treat swimming pools for all algae types including Blackspot.
Manufacturer: ALGAEFREE AUSTRALIA.
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Canadian Agent: SELECT POOL PRODUCTS. www.selectpoolproducts.ca
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WHIMS: Exempt (*WHIMS 2015*)
PCP Act: Reg. No. 29872 P.C.P. ACT
GHS: Classified as Hazardous - Acute Toxicity(Oral) Cat.4, Skin Corrosion/Irritation Cat.2, Eye Corrosion/Irritation Cat. 2
GHS Signal Word: WARNING
Hazard Statement: H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
Prevention: P102 Keep out of reach of children.
 P264 Wash contacted areas thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P281 Use personal protective equipment as required.
Response: P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
 P330 Rinse mouth.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing,
 P332+P313 If skin irritation occurs: Get medical attention/advice.
 P337+P313 If eye irritation persists: Get medical attention/advice.
 P362 Take off contaminated clothing and wash before reuse.
Disposal: P501 Dispose of container in accordance with local government regulations.

3. COMPOSITION & INFORMATION ON INGREDIENTS

A Mixture with Active Constituent: 60g/L copper (Cu) present as Cupric Sulphate Pentahydrate.

Ingredient	Proportions %	CAS No.
Copper Sulphate Pentahydrate	25%	7758-98-7
Organic Amine Compounds	25 – 40%	Proprietary
Non Hazardous Ingredients	<50%	Non Hazardous

Safety Data Sheet

4. FIRST AID MEASURES

First Aid Measures by Routes of Exposure.

General: If poisoning occurs, contact a doctor or Poisons Information Centre in Canada or call 911.

Advice to Doctor: Treat symptomatically.

Swallowed : If swallowed, and if more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup APF. Seek urgent medical attention. Ingestion is considered unlikely and can result in a burning sensation to the mouth, throat and oesophagus, vomiting and nausea.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor. Remove contact lenses, if present and easy to do. Continue rinsing, Can cause inflammation. If eye irritation persists get medical attention/advice.

Skin: If skin contact occurs, remove contaminated clothing, shoes, leather bands, belts etc. and wash skin thoroughly using non-abrasive soaps. Wash hands after use. Can irritate if contact is prolonged. If skin irritation occurs get medical attention/advice.

Inhaled: Not considered relevant as no airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage. May cause mild discomfort.

First Aid Facilities: If practicable an eye wash station and skin barrier creams.

5. FIRE FIGHTING MEASURES

Flammability: Non-flammable. No fire or explosion hazard exists. Will evolve toxic sulphur oxide vapours when heated to decomposition. Very soluble in water.

Extinguishing Media: Use an extinguishing agent appropriate for the surrounding fire.

Exposure Hazards: No specific hazards.

Protective Equipment: Fire-fighters should wear full protective gear including self contained breathing apparatus when fighting chemical fires. Any water run off should be minimised and contained.

Hazchem Code: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Product is a liquid, the ground might become slippery. Irritating vapours might occur in a poorly ventilated area. Avoid indirect contact with eyes, skin and vapours from handling by using appropriate PPE. Contain, bund or absorb spill with an inert material such as sand or vermiculite, or sweep up large quantities with a broom into containers. Avoid release to drains and waterways. If product does enter waterway, advise the local environmental or emergency service. Dispose in accordance with environmental regulations. Wash hands thoroughly with soap and water if contact occurs.

7. HANDLING & STORAGE

Handling: Avoid contact with eyes & skin and use appropriate PPE for skin and eyes. Wash hands after use. Dispose of container by wrapping in paper, placing in a plastic bag and placing in a garbage bin. Not to be used as a food container. Protect from physical damage. Always use safe handling chemical procedures.

Storage: Store in the closed original container in a cool dry place out of reach of children. Store away from incompatible materials as listed in section 10. Do not store in direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

No exposure standard has been established for this product. No airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage.

However we can consider the exposure standard for **Copper Dusts and mists (as Cu): 8hr TWA = 1mg/m3 (fume)**. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides and are not a measure of relative toxicity. CONTINUED OVER PAGE...

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Engineering Controls: Local exhaust acceptable with special exhaust not required.
Ventilation : General room ventilation is normally adequate.
Eye Protection : Use chemical safety glasses, goggles or a face shield when using this product.
Skin Protection : Wear rubber or PVC gloves and protective clothing. Discard or wash clothing that has been contaminated with product concentrate.
Personal Respirators : Not normally necessary when using this product.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: Deep Blue Liquid
Odour: Slight
Chemical Type: Mixture
Specific Gravity: 1.24 g/ml @ 20 C
pH : 8.7 approx
Boiling Point: 100 C (water)
Melting Point: 0 C (water)
Solubility: Soluble
Flammability: Not Flammable

10. STABILITY & REACTIITY

Stability & Reactivity : Stable
Incompatibility : Incompatible with strong acids. Exhibits a low corrosion potential with only minor galvanic and alkaline susceptibility to metals in direct contact.
Hazardous Decomposition Products: Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

No specific data available for this product mixture.
 We can consider Toxicological information for Copper Sulphate Pentahydrate CAS No. 7758-98-7:

Test	Result	Route	Species
LD50	300mg/Kg	Oral	Rat
LD50	< 2000mg/Kg	Dermal	Rat

Acute Effects: Eye; irritating to eyes. Skin; moderately irritating. Capable of causing skin reactions which may lead to dermatitis. Inhalation; dust may be discomforting to the upper respiratory tract. Ingestion; maybe harmful if swallowed.
Carcinogenicity : Not listed as a carcinogen
Teratogenicity and Embryotoxicity : There are no reports of this condition in humans.
Toxicological Synergistic Materials : No Information available
Mutagen city : No human data available.
Potential for Accumulation : Copper is an essential element and its level in the body is strictly controlled. Under most conditions , excess copper is excreted in the urine and faeces (via the bile).

12. ECOLOGICAL INFORMATION

Harmful to aquatic organisms,
 May cause long-term adverse effects in the aquatic environment. Copper accumulates in soils. The fate of copper in water is dependent on a number of variables, but particularly pH. Copper is an essential nutrient in all organisms.

13. DISPOSAL CONSIDERATIONS

Recycle whenever possible or consult manufacturer for recycling options. Dispose of in accordance with all local, state & federal environment and waste disposal requirements or legislation. Refer to product label.

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14. TRANSPORT CONSIDERATIONS

Road & Rail:	Non Dangerous Goods - Exempt from the packing group criteria in 2.28 for UN3010 as per 2.31 in the Consolidated Transportation of Dangerous Goods Regulations Amend SOR/2016-95.
Sea:	Non Dangerous Goods - Exempt from the packing group criteria in 2.6.2 for UN3010 as per 2.6.2.3.2 and exempt from 2.10 subject to 2.10.2.2 and 2.10.2.7 in containers less than 5kg as per the International Marine Dangerous Goods Code 2016 Edition Amendment 38-16.
Hazchem:	Not Applicable.

15. REGULATORY INFORMATION

PMRA:	Product is approved and regulated by the PMRA. Approval numbers are Reg. No. 29872 P.C.P. ACT the 1.0L pack sizes. This product has been classified by the PMRA according to the PCPA .
Legislation:	This SDS has been prepared according to WHIMS 2015 .

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Legislation:	This SDS has been prepared according to WHIMS 2015 .

16. OTHER INFORMATION

Disclaimer:	<p>This Safety Data Sheet has been developed from the guidelines of WHIMS2015, TDG, IMDG and the GHS Globally Harmonized System of Classification and Labelling of Chemicals Rev.3 2009. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.</p> <p>The information is supplied upon the condition that the persons/companies receiving same will make their own determination as to its suitability for their purposes prior to use of the product. The physical data shown herein are typical values based on material tested.</p> <p>These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.</p> <p>Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with the relevant Federal, State and Local Government regulations.</p> <p>This SDS contains primarily safety information.</p> <p>Additional Information can be obtained by visiting our website www.algaefreeaustralia.com</p>
Acronyms:	

CAS No.	Chemical Abstracts Service Registry Number
GHS	Globally Harmonized System of Classification and Labelling of Chemicals Rev.3 2009
IMDG	International Marine Dangerous Goods Code 2016 Edition, Amendment 38-16.
PMRA	Pest Management Regulatory Agency (Health Canada)
PPE	Personal Protective Equipment
TDG	Consolidated Transportation of Dangerous Goods Regulations Amend SOR/2016-95.
UN	United Nations Number
WHIMS	Workplace Hazardous Materials Information System 2015

END OF SDS

Safety Data Sheet

1. IDENTIFICATION

Product Name: SERIOUSTAIN INHIBITOR 600g
Other Names: SeriouStain Inhibitor.
Physical Description: White free flowing powder/crystals.
Uses: For use in swimming pools and spas to neutralise dissolved metals that stain or discolour pool surfaces. Non-toxic once dissolved in pool water according to directions.
Manufacturer: ALGAEFREE AUSTRALIA. 2 / 24 Cohn Street, CARLISLE 6101 Western Australia.
 Tel +61 8 9472 4000 Fax +61 8 9472 0000
Emergency Contact: Poisons Information Centre Australia 131126, New Zealand 0800 764 766, Canada call 911 or 24Hour contact mobile +61 400 226 149.

2. HAZARDS IDENTIFICATION

ADG CODE: Non Dangerous Good (ADG Code Edition 7.7,2020)
IMDG CODE: Non Dangerous Good (IMDG 2020 Edition Amendment 40-20)
SUSMP: Not scheduled
IATA: Non Dangerous Good (IATA DGR 60th ed 2019)
WHS: Exempt from WHS Label Requirements
GHS: Classified as Hazardous
 Serious Eye Damage/Irritation- Category 2A
 Specific Target Organ Toxicity (repeated exposure) - Category 2
 Skin corrosion/irritation
 Acute toxicity, oral

GHS Signal Word: WARNING

Hazard Statement: H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H335 May cause respiratory irritation.
 H319 Causes serious eye irritation.

Prevention: P261 Avoid breathing dust.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors in a well-ventilated area.
 P280 Wear protective gloves/eye protection/face protection.

Response: P301+P330 IF SWALLOWED: Rinse mouth.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P332 + P313 If skin irritation occurs: get medical advice/attention.
 P362 + P364 Take of contaminated clothing immediately and wash it 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.
 P337+P313 If eye irritation persists: Get medical advice.
 P312 Call a POISON CENTER or doctor if you feel unwell.
 P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage: P403 + P223 Store in well ventilated place. Keep container tightly closed.
 P405 Store locked-up.

Disposal: P501 Dispose of container in accordance with local / regional / national / international regulations.

Safety Data Sheet

3. COMPOSITION & INFORMATION ON INGREDIENTS

A Mixture Containing: 200 g/Kg Sodium EDTA and 800 g/Kg chelating agents.

Ingredient	Proportions %	CAS No.
Non Hazardous Ingredients	> 60%	Non Hazardous
Sodium EDTA	10-30%	13235-36-4

4. FIRST AID MEASURES

First Aid Measures by Routes of Exposure.

General:	If poisoning occurs, contact a doctor or Poisons Information Centre, phone Australia 131126 or New Zealand 0800 764 766 or Canada call 911 or contact the nearest Poisons Control Centre in your country.
Advice to Doctor:	Treat symptomatically.
Swallowed:	IF SWALLOWED, rinse mouth with water, then drink plenty of water. Do NOT induce vomiting. Seek medical attention.
Eye:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting upper and lower lids. Remove contact lenses if present and easy to do so. Continue rinsing for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice.
Skin:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Inhaled:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Call a Poison Centre or doctor for advice.

5. FIRE FIGHTING MEASURES

General measures: If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability: Combustible material; may burn but does not ignite readily.

Extinguishing Media: Use dry chemical, Carbon dioxide (CO₂), foam or water spray for extinction.

Fire and explosion hazard: Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous products of combustion: Fire may produce irritating, toxic and/or corrosive fume, including oxides of Carbon, ammonia, Nitrogen oxides.

Special fire fighting instructions: Contain runoff from fire control or dilution water – runoff may pollute waterways.

Personal protective equipment: Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural fire fighter's uniform may provide limited protection.

Hazchem Code: Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Product is a powder. Avoid breathing dust. Avoid indirect contact with eyes, skin and dust from handling and by using appropriate PPE (Section 8). Eliminate all ignition sources (smoking, flares, sparks or flame). Immediately isolate spill/leak area. Contain and sweep up large quantities with a broom into containers. Prevent entry into drains and waterways. If product does enter waterway, advise local environmental or emergency service. Dispose in accordance with environmental regulations.

7. HANDLING & STORAGE

Handling: Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use appropriate PPE (see Section 8). Wash hands after use. Ensure adequate ventilation. Minimise dust generation and accumulation. Keep away from heat and ignition sources – No smoking.

Storage: Store in the closed original container in a cool, dry and well-ventilated place. Keep container tightly closed and out of reach of children. Keep away from heat and sources of ignition. Store away from incompatible materials (see Section 10). Do not store in direct sunlight.

Safety Data Sheet

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

No exposure standard has been established for this product by Safe Work Australia. No airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage. However, the following exposure is recommended for nuisance dusts: TWA 10mg/m³ (measured as inhalable dust)

Engineering Controls: Ensure adequate ventilation. Local exhaust is recommended.
Ventilation: General room ventilation is normally adequate.
Eye Protection: Use chemical safety glasses, goggles or a face shield when using this product.
Skin Protection: Wear appropriate clothing to avoid skin contact.
Hand protection: Handle with gloves. Chemically resistant gloves recommended.
Personal Respirators: Wear a suitable particle filter mask (P2) if used in confined spaces.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: White free flowing powder/crystals
Odour: Slight
Chemical Type: Mixture
Specific Gravity: No data available
pH: No data available
Solubility: Soluble in water
Flammability: Not Flammable
Melting point: 131 ° C
Freezing point: No data available
Boiling point: No data available
Flash point : No data available
Evaporation rate: No data available
Octanol / water coefficient: No data available
Auto-ignition temperature: > 200 ° C
Viscosity: Not applicable
Decomposition temperature: 150 ° C

10. STABILITY & REACTIITY

Stability & Reactivity : Stable under normal storage and handling conditions.
Incompatibility: Incompatible with strong alkalis, oxidising agents, amines and carbonates.
Hazardous polymerization: Hazardous polymerization will not occur.
Hazardous decomposition products: Decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides, Ammonia and Nitrogen oxides.
Conditions to avoid: Avoid generating dust. Keep away from sources of ignition.

11. TOXICOLOGICAL INFORMATION

General information: No specific data available for this product mixture. This product is no expected to be sensitizer. No adverse health affects expected.
Acute. toxicity: Harmful if swallowed and if inhaled.
Skin corrosion/irritation: Causes skin irritation, redness (category 2).
Eye damage/irritation: Causes serious eye irritation (category 2A).
Germ cell mutagenicity: No evidence of mutagenicity.
Carcinogenicity: Does not contain any International Agency for Research on Cancer (IARC) listed chemicals.
Reproductive toxicity: No evidence of reproductive or developmental toxicity.
Specific target organ toxicity- single exposure: Not classified.
Specific target organ specificity- repeated exposure: May cause damage to organs through repeated exposure.
Aspiration hazard: Not classified.

Safety Data Sheet

12. ECOLOGICAL INFORMATION

Ecotoxicity: Can consider the ecotoxicity of EDTA, tetrasodium salt, tetrahydrate:

- Fish (very soft water): LC50 (96 h): 41 mg/L test material (nominal) based on mortality (34 - 62 mg/L) [Batchelder, et al. (1980)].
- Crustacea: EC50 (48 h): 140 mg/L test mat. (nominal) based on mobility (100 - 180 mg/L) [BASF AG (1989)].
- Algae/aquatic plants: EC50, (72 h): >100 mg/L test material (nominal) based in growth rate.

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

Mobility in soil: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state & federal environment and waste disposal requirements or legislation. Refer to product label.

special precautions for incineration or landfill: Contaminated packaging; empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT CONSIDERATIONS

Road & Rail: Non Dangerous Goods - mixture is not listed in the Australian Code for the Transport of Dangerous Goods by Road & Rail Ed. 7.5, 2017.

Sea: Non Dangerous Goods - mixture is not listed in the International Marine Dangerous Goods Code 2016 Edition Amendment 38-16.

Hazchem Code: Not Applicable.

IATA DGR: Non Dangerous Goods – Does not meet criteria for UN or Class 8 Corrosive according to IATA DGR.

15. REGULATORY INFORMATION

Legislation: This SDS has been prepared according to Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals is an approved code of practice under section 274 of the Work Health and Safety Act (the WHS Act).

Poisons Sched: Not Applicable

APVMA: Not applicable.

AICS: Not applicable.

16. OTHER INFORMATION

Disclaimer: This Safety Data Sheet has been developed from the guidelines of the GHS Globally Harmonized System of Classification and Labelling of Chemicals Rev.7 2017 and the NOHSC National Code of practice for the preparation of MSDS and the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals is an approved code of practice under section 274 of the Work Health and Safety Act (the WHS Act).

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. The purpose of this Material Safety Data Sheet is to describe product in terms of their safety requirements.

The information is supplied upon the condition that the persons/companies receiving same will make their own determination as to its suitability for their purposes prior to use of the product. The physical data shown herein are typical values based on material tested.

These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with the relevant Federal, State and Local Government regulations.

This SDS contains primarily safety information.

Additional Information can be obtained by visiting our website www.algaefreeaustralia.com

Safety Data Sheet

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road & Rail Ed. 7.7, 2020
APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS No.	Chemical Abstracts Service Registry Number
ECHA	European Chemicals Agency
GHS	Globally Harmonized System of Classification and Labelling of Chemicals Rev.9 2021
IATA DGR	International Air Transport Association Dangerous Goods Regulations
IMDG Code	International Marine Dangerous Goods Code 2020 Edition, Amendment 40-20.
NOHSC	National Occupational Health and Safety Commission
PPE	Personal Protective Equipment
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TWA	Time-Weighted Average . Maximum average airborne concentration of a substance over an eight-hour working day, for a five-day working week.
UN	United Nations Number
WHS	Model Work Health and Safety Act 14 th April 2022

END OF SDS

Safety Data Sheet

1. IDENTIFICATION

Product Name: HEAVY DUTY SERIOUSTAIN REMOVER 1.25Kg
Other Names: SeriouStain Remover
Physical Description: White free flowing powder/crystals.
Uses: Stain remover and chelating agent for use in swimming pools and spas to remove discolouration from minerals or organic residues that stain or discolour pool surfaces. Non-toxic once dissolved in pool water according to directions.
Manufacturer: ALGAEFREE AUSTRALIA. 2 / 24 Cohn Street, CARLISLE 6101 Western Australia.
Tel +61 8 9472 4000 Fax +61 8 9472 0000
Emergency Contact: Poisons Information Centre Australia 131126, New Zealand 0800 764 766, Canada call 911 or 24Hour contact mobile +61 400 226 149.

2. HAZARDS IDENTIFICATION

ADG CODE: Non Dangerous Good (ADG Code Edition 7.7,2020)
IMDG CODE: Non Dangerous Good (IMDG 2020 Edition Amendment 40-20)
SUSMP: Not scheduled (Poison standard June 2022)
IATA: Non Dangerous Good (IATA DGR 60th ed 2019)
WHS: Exempt from WHS Label Requirements.
GHS: Classified as Hazardous
Skin Corrosion/Irritation- Category 2
Serious Eye Damage/Irritation- Category 2A
Specific Target Organ Toxicity (single exposure) - Category 3

GHS Signal Word: WARNING

Hazard Statement: H335 May cause respiratory irritation.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Prevention: P261 Avoid breathing dust.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors in a well-ventilated area.
P280 Wear protective gloves/eye protection/face protection.

Response: P302+P352 IF ON SKIN: Wash with plenty of water.
P332+P313 If skin irritation occurs: Get medical advice.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice.
P312 Call a POISON CENTER or doctor if you feel unwell.
P362 Take off contaminated clothing.
P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage: P403+P223 Store in well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal: P501 Dispose of container in accordance with local / regional / national / international regulations.

3. COMPOSITION & INFORMATION ON INGREDIENTS

A Mixture Containing: 660 g/Kg Citric acid and 340 g/Kg chelating agent.

Ingredient	Proportions %	CAS No.
Citric acid anhydrous	>60%	77-92-9
Non Hazardous Ingredients	30-60%	Non Hazardous

Safety Data Sheet

4. FIRST AID MEASURES

First Aid Measures by Routes of Exposure.

General:	If poisoning occurs, contact a doctor or Poisons Information Centre, phone Australia 131126 or New Zealand 0800 764 766 or Canada call 911 or contact the nearest Poisons Control Centre in your country.
Advice to Doctor:	Treat symptomatically.
Swallowed:	IF SWALLOWED, rinse mouth with water, then drink plenty of water. Do NOT induce vomiting. Seek medical attention.
Eye:	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting upper and lower lids. Remove contact lenses if present and easy to do so. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/ attention.
Skin:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
Inhaled:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing – Administer oxygen if breathing is difficult.

5. FIRE FIGHTING MEASURES

General measures:	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability:	Combustible material; may burn but does not ignite readily.
Extinguishing Media:	Use dry chemical, Carbon dioxide (CO ₂), foam or water spray for extinction.
Fire and explosion hazard:	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Hazardous products of combustion:	Fire may produce irritating, toxic and/or corrosive fume, including oxides of Carbon.
Special fire fighting instructions:	Contain runoff from fire control or dilution water – runoff may pollute waterways.
Personal protective equipment:	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural fire fighter's uniform may provide limited protection.
Hazchem Code:	Not Applicable.

6. ACCIDENTAL RELEASE MEASURES

Product is a powder. Avoid indirect contact with eyes, skin and dust from handling and by using appropriate PPE. Contain and sweep up large quantities with a broom into containers. Avoid release to drains and waterways. If product does enter waterway, advise local environmental or emergency service. Dispose in accordance with environmental regulations. Wash hands thoroughly with soap and water if contact occurs.

7. HANDLING & STORAGE

Handling: Avoid breathing dust and contact with eyes, skin and clothing. Use appropriate PPE (see Section 8). Wash hands after use. Ensure adequate ventilation. Minimise dust generation and accumulation.

Storage: Store in the closed original container in a cool, dry and well-ventilated place. Keep container tightly closed and out of reach of children. Keep away from heat and sources of ignition. Store away from incompatible materials (see Section 10). Do not store in direct sunlight.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

No exposure standard has been established for this product by Safe Work Australia. No airborne concentrations of dust, fumes or vapour are associated with this product in normal use or storage. However, the following exposure is recommended for nuisance dusts: TWA 10mg/m³.

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Engineering Controls: Local exhaust acceptable with special exhaust not required.
Ventilation: General room ventilation is normally adequate.
Eye Protection: Use chemical safety glasses, goggles or a face shield when using this product.
Skin Protection: Wear rubber or PVC gloves and protective clothing. Discard or wash clothing that has been contaminated with product concentrate.
Personal Respirators: Wear a suitable particle filter mask (P2) if used in confined spaces.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: White free flowing powder/crystals
Odour: Slight
Chemical Type: Mixture
Specific Gravity: 1.642
pH: 2-3
Solubility: Soluble in water
Flammability: Not Flammable
Melting point: 153 ° C
Freezing point: No data available
Boiling point: Not applicable
Flash point: 345 ° C
Evaporation rate: Not applicable
Octanol / water coefficient: Not applicable
Auto-ignition temperature: Not applicable
Viscosity: Not applicable
Decomposition temperature: Not applicable

10. STABILITY & REACTIITY

Stability & Reactivity : Stable under normal storage and handling conditions.
Incompatibility: Incompatible with strong alkalis or oxidising agents.
Hazardous polymerization: Hazardous polymerization will not occur.
Hazardous decomposition products: Decomposition may produce irritating, toxic and/or corrosive fumes, including Carbon oxides.
Conditions to avoid: Avoid generating dust. Keep away from sources of ignition.

11. TOXICOLOGICAL INFORMATION

General information: No specific data available for this product mixture. This product is no expected to be sensitizer. No adverse health affects expected.
Acute toxicity: Swallowing may cause abdominal pain, nausea, vomiting and irritation to the mouth and throat. Physiological disturbances may include acidosis and calcium deficiency. The substance may have effects on teeth, resulting in erosion.
Skin corrosion/irritation: Causes skin irritation, redness (category 2).
Eye damage/irritation: Causes serious eye irritation (category 2A).
Germ cell mutagenicity: No evidence of mutagenicity.
Carcinogenicity: Does not contain any International Agency for Research on Cancer (IARC) listed chemicals.
Reproductive toxicity: No evidence of reproductive or developmental toxicity.
Specific target organ toxicity- single exposure: May cause respiratory irritation; inhalation of citric acid aerosols may induce coughing and broncho-constriction.
Specific target organ specificity- repeated exposure: Not considered to cause serious damage to health from repeated (oral) exposure.
Aspiration hazard: No information available.

Safety Data Sheet

12. ECOLOGICAL INFORMATION

Ecotoxicity: We can consider the ecotoxicity of DL-Malic Acid CAS No. 77-92-9:

LC50: Fish (Leuciscus idus melanotus): 440mg/L (48 h) [ECHA]

EC50: Crustacea (Daphnia magna): 1535 mg/L (24h) mobility [ECHA]

Persistence and degradability: Readily biodegradable.

Bioaccumulative potential: Citric acid has low potential for bioaccumulation based on its very low log K_{ow} value.

Mobility in soil: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state & federal environment and waste disposal requirements or legislation. Refer to product label.

special precautions for incineration or landfill: No information available.

14. TRANSPORT CONSIDERATIONS

Road & Rail: Non Dangerous Goods - mixture is not listed in the Australian Code for the Transport of Dangerous Goods by Road & Rail Ed. 7.5, 2017.

Sea: Non Dangerous Goods - mixture is not listed in the International Marine Dangerous Goods Code 2016 Edition Amendment 38-16.

Hazchem Code: Not Applicable.

IATA DGR: Non Dangerous Goods – Does not meet criteria for UN or Class 8 Corrosive according to IATA DGR.

15. REGULATORY INFORMATION

Legislation: This SDS has been prepared according to Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals is an approved code of practice under section 274 of the Work Health and Safety Act (the WHS Act).

Poisons Sched: Not Applicable

APVMA: Not applicable.

AICS: Not applicable.

16. OTHER INFORMATION

Disclaimer: This Safety Data Sheet has been developed from the guidelines of the GHS Globally Harmonized System of Classification and Labelling of Chemicals Rev.7 2017 and the NOHSC National Code of practice for the preparation of MSDS and the Code of Practice on Preparation of Safety Data Sheets for Hazardous Chemicals is an approved code of practice under section 274 of the Work Health and Safety Act (the WHS Act).

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Safety Data Sheet

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IMDG Code	International Marine Dangerous Goods Code 2020 Edition, Amendment 40-20.
NOHSC	National Occupational Health and Safety Commission
PPE	Personal Protective Equipment
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TWA	Time-Weighted Average . Maximum average airborne concentration of a substance over an eight-hour working day, for a five-day working week.
UN	United Nations Number
WHS	Model Work Health and Safety Act 14 th April 2022

END OF SDS