

SAFETY DATA SHEET

AQUASONIC Pty. Ltd.

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MALACHITE GREEN SOLUTION

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	Malachite Green Solution
Product use	Ornamental aquariums and aquaculture eg. For treatment of external fungal and bacterial infections in both freshwater and saltwater fish.
Supplier details	Aquasonic Pty Ltd (ABN 70 001 427 256) 14 Commerce Street Wauchope NSW 2446 Australia Tel: +61 2 6586 4933 Fax: +61 2 6586 4944
Emergency contact	Poisons Information Centre Tel: 1800 039 008
Product size	100ml, 250ml, 1L
Product code	PL109, PL113, PL110

2. HAZARDS IDENTIFICATION

Hazard Classification (GHS)	Acute toxicity, Oral(Category 4), H302 Serious eye damage/eye irritation(Category 1), H318 Reproductive toxicity(Category 2), H361 Short-term (acute) aquatic hazard(Category 1), H400 For the full text of the H-Statements mentioned in this Section, see Section 16
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Symbol (GHS)



Danger



Warning



Danger



Warning

Signal word

Hazard statements

H302	Harmful if swallowed.	(Category 4)
H318	Serious eye damage/eye irritation	(Category 1),
H361	Reproductive toxicity	(Category 2),
H318	Causes serious eye damage.	(Category 1)
H400	Very toxic to aquatic life.	(Category 1)

Precautionary statements

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.

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P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response	
P301 + P312 + P330	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
P305 + P351 + P338 + P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P391	Collect spillage.
Storage	
P405	Store locked up.
Disposal	
P501	Dispose of contents/container to an approved waste disposal plant.
Other Hazards	None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition

Malachite Green | CAS #: 569-64-2 | WT: proprietary concentration
Distilled Water | CAS# 7732-18-5 | WT: proprietary concentration

4. FIRST-AID MEASURES

Swallowed	Rinse mouth with water. Induce vomiting using Ipecac liquid extract. Never give anything by mouth to an unconscious person. Seek medical attention
Eye	Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice
Skin	Removed contaminated clothing. Wash affected area with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse
Inhaled	Remove victim from exposure to fresh air. If not breathing, apply CPR. If breathing is difficult, give oxygen. Seek medical attention

5. FIRE-FIGHTING MEASURES

Flammability	Not flammable
Extinguishing media	Use appropriate extinguishing media for surrounding fire
Decomposition products	In case of fire may produce toxic fumes of carbon dioxide and carbon monoxide
Flash point	No data available
Explosion limits	L.E.L. No data available U.E.L. No data available
Personal protective	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and equipment protective firefighting clothing (including helmets, boots and gloves). Clear fire area of all non-emergency personnel. Eliminate ignition source. Move fire exposed containers from fire area if it can

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be done without risk. Do not allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment.

6. ACCIDENTAL RELEASE MEASURES

- General response procedure** Keep unnecessary people away from spill. Personnel involved in clean up should wear full protective clothing as outlined in section 8. Eliminate sources of ignition. Stop leak/spillage if safe to do so. Small spills may be flushed to drains/sewers. Isolate area if large spill by sand bagging around edges and covering with plastic sheeting
- Clean up procedure** Contain and sweep/shovel up spills with adsorbent material. Transfer waste to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste. Small spills may be flushed to drains or sewers

7. HANDLING AND STORAGE

- Handling** Observe personal hygiene practices. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale vapours. Use in well-ventilated area
- Storage** Store in original packaging in a cool, dry area. Keep containers tightly closed when not in use. Protect from physical damage. Store away from incompatible materials as listed in section 8. Do not allow product to come into contact with acids or water. Do not store with acids. Keep at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- General** No data available
- Exposure limits** No data available
- Biological limits** No data available
- Engineering measures** Prevention of spillage into the work environment is recommended
- Personal protective** EYES: Safety glasses with side shields, chemical goggles or face shield
- Equipment** HANDS: Wear impervious gloves (Nitrile rubber recommended)
CLOTHING: Long-sleeved impervious protective clothing advised
- Work hygienic practices** Observe personal hygiene and personal protection practices. Wash hands thoroughly after handling product. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wash contaminated clothing before storage, or before reusing

9. PHYSICAL AND CHEMICAL PROPERTIES

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|-----------------------|-------------------|----------------------------------|-------------------|
| Physical state | Aqueous | Decomposition temperature | No data available |
| Appearance | Translucent green | Density | No data available |
| Colour | Green | Specific heat | No data available |
| Odour | No data available | Molecular weight | No data available |
| pH | No data available | Net propellant weight | No data available |

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Vapour pressure	No data available	Octanol water coefficient	No data available
Relative vapour density	No data available	Particle size	No data available
Boiling point	No data available	Partition coefficient	No data available
Melting point	No data available	Saturated vapour	No data available
Freezing point	No data available	Concentration	No data available
Solubility	No data available	Vapour temperature	No data available
Specific gravity	No data available	Viscosity	No data available
Flash point	No data available	Volatile percent	No data available
Auto ignition temperature	No data available	VOC volume	No data available
Evaporation rate	No data available	Additional characteristics	No data available
Bulk density	No data available	Potential for dust explosion	No data available
Corrosion rate	No data available		

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas Other decomposition products - No data available In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

General	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated
Inhaled	No data available
Ingestion	No data available
Skin contact	No data available
Eye	No data available
Chronic	No data available
Acute toxicity	No data available
Carcinogen category	No data available
Mutagenicity	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence/degradability	No data available
Mobility	No data available

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Environmental fate	No data available
Bioaccumulation potential	No data available
Environmental impact	No data available

13. DISPOSAL CONSIDERATIONS

General information	Dispose of in accordance with local, state and federal regulations. All empty packaging should be disposed of in accordance with local, state and federal regulations.
Special precautions for land fill	Contact a specialist disposal company, or the local waste regulator for advice

14. TRANSPORT INFORMATION

Marine pollutant	No
HAZCHEM	Not applicable
Land transport	Not regulated for transport of dangerous goods
Air transport	Not regulated for transport of dangerous goods
Sea transport	Not regulated for transport of dangerous goods
Proper shipping name	Aquasonic Malachite Green Solution
U.N number	Not classified
Dangerous goods class	Not regulated for transport of dangerous goods
Packaging method code	No data available
Packing group number	III
IERG number	No data available
Special precautions for user	Refer sections 7 and 8

15. REGULATORY INFORMATION

Australia inventory (AICS)	On the inventory, or in compliance with the inventory
ADG	Not regulated for transport of dangerous goods

16. OTHER INFORMATION

Key/Legend

<	Less than	L	Litre of liquid
>	Greater than	LC50	Lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% of a group of test animals
ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail	LD50	Lethal dose. LD50 is the amount of material, given all at once, which causes the death of 50% of a group of test animals
AISC	Australian Inventory of Chemical Substances	L.E.L	Lower explosion limit
g	Gram	mg/L	Milligram per litre of liquid

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g/L	Grams per litre	TWA	Time weighted average
H₂O	Chemical formula for water	U.E.L.	Upper explosion Limit
Kg	Kilogram		

Notice to reader

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The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for that stated, without seeking prior advice from Aquasonic Pty. Ltd.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. Aquasonic Pty. Ltd. shall not be deemed responsible for any damage or injury resulting from use, other than the stated use of the product, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the product. Purchasers of the product for supply to a third party for use, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact Aquasonic Pty. Ltd. to ensure that this document is the most current available. Alteration of this document is strictly prohibited.