

SAFETY DATA SHEET

AQUASONIC Pty. Ltd.

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BACTONEX

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	BACTONEX
Product use	Ornamental aquariums Used as a prophylactic to aid in treatment of fish diseases
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	FW024, FW044, FW064

2. HAZARDS IDENTIFICATION

Hazard Classification (GHS)	Acute oral toxicity Skin corrosion Eye irritation	Category 4 Category 2 Category 2A
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Symbol (GHS)



Signal word Warning

Hazard statements

H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled

Precautionary statements

P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

SAFETY DATA SHEET

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition

Methylene Blue | CAS #: 61-73-4 | WT: Aqueous solution, proprietary concentration

Aminacrine Hydrochloride | CAS #: 134-50-9 | WT: Aqueous solution, proprietary concentration

Purified Water | CAS #: 7732-18-5 | WT: To 100%

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 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

SAFETY DATA SHEET

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

Physical state	Liquid	Corrosion rate	No data available
Appearance	Light green, clear aqueous solution	Decomposition temp.	No data available
Colour	Light green, clear	Density	No data available
Odour	Practically odourless	Specific heat	No data available
pH	5.5-6.5 @25°C	Molecular weight	No data available
Vapour pressure	No data available	Net propellant weight	No data available
Relative vapour density	No data available	Octanol water coefficient	No data available
Boiling point	~100°C	Particle size	No data available
Melting point	No data available	Partition coefficient	No data available
Freezing point	~0°C	Saturated vapour	No data available
Solubility	Miscible in water	Concentration	No data available
Specific gravity	1.005 – 1.010g/mL @ 25°C	Vapour temperature	No data available
Flash point	No data available	Viscosity	No data available
Auto ignition temp.	No data available	Volatile percent	No data available
Evaporation rate	No data available	VOC volume	No data available
Bulk density	No data available	Additional characteristics	No data available
		Potential for dust explosion	No data available

SAFETY DATA SHEET

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of use, storage and temperature
Conditions to avoid	Avoid storage with strong acidic/basic materials, oxidising agents and ignition sources
Materials to avoid	Avoid strong acidic/basic materials and oxidising agents
Hazardous decomposition	May produce toxic fumes of carbon dioxide and carbon monoxide products
Hazardous polymerisation	Does not occur

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
Environmental fate	No data available
Bioaccumulation potential	None to be expected (Log P (o/w) <1)
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

SAFETY DATA SHEET

Air transport	Not regulated for transport of dangerous goods
Sea transport	Not regulated for transport of dangerous goods
Proper shipping name	Aquasonic Bactonex
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)	Listed
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
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

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate at date of prepare or review as specified above. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

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.

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