

SAFETY DATA SHEET

AQUASONIC Pty. Ltd.

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AQUATIC BLUE

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND SUPPLIER

Product name AQUATIC BLUE
Product use Ornamental aquariums and aquaculture
Liquid marking dye and spray colourant
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 1L
Product code ACBL1L

2. HAZARDS IDENTIFICATION

Hazard Classification (GHS) Not classified as hazardous
May be harmful if swallowed Category 5 Warning
Skin corrosion/irritation Category 2 Warning
Not classified as hazardous according to the criteria of NOHSC Australia.

ACUTE HEALTH EFFECTS

Route of entry	Eye, skin, ingestion, inhalation
Ingestion	Swallowing the product may cause gastric disturbances
Eye contact	May cause irritation
Skin contact	May cause irritation to the skin. However it is unlikely to cause any more than mild transient discomfort. It is unlikely to cause any long term effects.
Inhalation	Mild respiratory tract irritation may occur with exposure to a large amount of material

CHRONIC

Symbol (GHS)



None known

Signal word

Warning

Hazard statements

H303

May be harmful if swallowed Category 5

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Precautionary statements

P262	Do not get in eyes, on skin or on clothing
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P314+P331	SWALLOWED: Do not induce vomiting. Dilute by drinking water or milk. If vomiting occurs spontaneously, administer more liquids and keep head below hips to prevent aspiration of liquid into the lungs. Never give fluids or induce vomiting if patient is unconscious. Seek medical advice.
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
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 advice/attention
P337+P313	If eye irritation persists: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition	Water CAS #: 7732-18-5 WT: Proprietary concentration Acid Blue 9 (C.I. 42090) CAS #: 3844-45-9 WT: Proprietary concentration Food Yellow 4 (C.I. 19140) CAS #: 1934-21-0 WT: Proprietary concentration Polydimethylsiloxane CAS #: 9016-00-6 WT: Proprietary concentration <i>This is a commercial product which exact ratio of components may vary. Trace quantities of impurities are also likely.</i>
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4. FIRST-AID MEASURES

Swallowed	Do not induce vomiting. Rinse mouth with water. Give plenty of water to drink. Seek medical attention if you feel unwell.
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 if irritation persists. 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	Carbon dioxide, dry chemical, foam, water fog
Decomposition products	not available
Flash point method	TCC
Explosion limits	There is no risk of explosion from this product
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.

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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	Soak up with absorbent material and transfer to a suitable container.
Large spill	Wear appropriate personal protective equipment. Contain spill and pump into suitable disposal container. If spillage enters waterways or sewerage, notify appropriate government agencies. Flush and scrub area with detergent and remove residue to prevent slipperiness.
Waste disposal	If disposed as shipped is not hazardous waste as specified in 40 CFR 261. Consult state and local officials for proper disposal methods. Observe all local, state and federal regulations.
Clean up procedure	Contain and sweep/shovel up spills. 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	Handle with due care and avoid personal contact. Since emptied containers retain product residues (vapors, liquid and/or solids), all hazard precautions given in this MSDS must be observed.
Storage	Store at normal temperatures and conditions of warehousing. Keep container closed when not in use. Avoid allowing product to freeze.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Local ventilation recommended. Mechanical ventilation may be used
Protective Equipment	Respiratory Protection not normally required Protection Gloves rubber or neoprene Eye Protection chemical safety glasses
	Other good housekeeping practices should include making sure all containers are kept closed and properly stored. Properly maintain and eyewash station in the work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Aqueous
Colour	Blue
Odour	Mild
Vapour pressure	Not determined
pH	No data available

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Boiling point	95°C
Melting point	0°C
Freezing point	0°C
Solubility	complete
Additional characteristics	None

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under normal conditions of use, storage and temperature
Possibility of hazardous reactions	No data available
Conditions to avoid	None known
Incompatible materials	Strong oxidisers and alkalis
Hazardous Polymerisation	Will not occur

11. TOXICOLOGICAL INFORMATION

The product has not been tested. This statement is derived from extrapolation of individual ingredient data.

LD50 (oral/rat)	>5000mg/kg
Primary skin irritation (rabbit/OECD 404)	non irritant
Primary eye irritation (rabbit/OECD 405)	non irritant

12. ECOLOGICAL INFORMATION

The product has not been tested. This statement is derived from extrapolation of individual ingredient data.

Toxicity to daphnids :	EC50 (acute/dyestuff, 48hr)	100mg/l0 (Daphnia magna)
Toxicity to bacteria:	EC10 (dyestuff)	>10000mg/l
Toxicity to fish:	LC50 (96 hr)	220 - 460 mg/l (Leuciscus idus)
	LC50 (96 hr)	>1000mg/l (Oncorhynchus mykiss)
	LCo (48hr)	>100mg/l (Leuciscus idus)

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

Elimination information (static test, photometry) <10%

All components in this product are listed on the Australian Inventory of Chemical Substances (AICS).

Do not allow product to enter drains.

13. DISPOSAL CONSIDERATIONS

General information	All recovered materials should be packaged, labelled, transported and disposed or reclaimed in conformance with applicable laws and regulations Contact a specialist disposal company, or the local waste regulator for advice
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14. TRANSPORT INFORMATION

DOT INFORMATION – 40 CFR 261

Shipping Name	Aquatic Blue
Hazard Class	not applicable
Packaging Group	none allocated

15. REGULATORY INFORMATION

ARA 311/312 (Hazard Class – 40 CFR 370.2)	none
SARA 313 (Components – 40 CFR 372.65)	none
SARA 302 (Extremely Hazardous Substances)	none
CERCLA RQ	none
VOC	none

16. OTHER INFORMATION

Key/Legend

<	Less than
>	Greater than
ADG	Australian Code for the Transport of Dangerous Goods by Road & Rail
AISC	Australian Inventory of Chemical Substances
g	Gram
g/L	Grams per litre
H ₂ O	Chemical formula for water
Kg	Kilogram
L	Litre of liquid
LC50	Lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% of a group of test animals
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
L.E.L	Lower explosion limit
mg/L	Milligram per litre of liquid
TWA	Time weighted average
U.E.L.	Upper explosion Limit

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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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.