

SAFETY DATA SHEET

AQUASONIC

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NITRITE REAGENT B

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name	NITRITE REAGENT B
Product use	Aquaculture and aquarium Reagent for determining NO ₂ concentration in fresh and salt water
Product use	Ornamental aquariums and aquaculture
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	15mL dropper bottle and 100mL bottle, also incorporated into Aquasonic Nitrite Test Kit as 15mL dropper bottle
Product code	TK562, TK564, Complete Test Kit TK560

2. HAZARDS IDENTIFICATION

GHS Classification	Not a hazardous substance or mixture.	
Hazard classification GHS	Acute toxicity, dermal	Category 5
	Skin corrosion	Category 1
	Serious eye damage	Category 2A

Label elements GHS



Danger

Signal word GHS

Hazard statements

H313 May be harmful in contact with skin

Precautionary statements

Prevention

P260

Do not breathe dust or mist.

P280

Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response

P301 + P330 + P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: 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.
P310	Immediately call a POISON CENTER or doctor/ physician.
P363	Wash contaminated clothing before reuse.
Disposal	
P501	Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical composition

8-Amino-2-naphthalenesulfonic acid CAS #: 119-28-8 WT: proprietary concentration		
Glacial Acetic Acid	CAS #: 64-19-7	WT: proprietary concentration
Distilled Water	CAS #: 7732-18-5	WT: To 100%

4. FIRST-AID MEASURES

Swallowed	Rinse mouth with water. Give plenty of water to drink provided victim is conscious. Never anything by mouth to an unconscious person. Do NOT induce vomiting. 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	Non-combustible in liquid form. High temperature gas release combustible
Extinguishing media	Dry chemical, CO ₂ , or water spray. Do NOT use water jets
Decomposition products	May produce toxic fumes of acetic acid
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

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not allow firefighting water to reach waterways, drains 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. Do NOT flush to drains or 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. Do NOT flush 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, use of local exhaust
Personal protective equipment	EYES: Safety glasses with side shields, chemical goggles or face shield 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
Appearance	Clear/colourless liquid
Colour	Clear/colourless
Odour	Moderate to strong odour of acetic acid (vinegar)

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pH	3.5 – 4.5 pH
Vapour pressure	No data available
Relative vapour density	No data available
Boiling point	~100°C
Melting point	~0°C
Freezing point	0°C
Solubility	Miscible in water
Specific gravity	~1.08g/mL
Flash point	No data available
Auto ignition temperature	No data available
Evaporation rate	No data available
Bulk density	No data available
Corrosion rate	No data available
Decomposition temperature	No data available
Density	No data available
Specific heat	No data available
Molecular weight	No data available
Net propellant weight	No data available
Octanol water coefficient	No data available
Particle size	No data available
Partition coefficient	No data available
Saturated vapour concentration	No data available
Vapour temperature	No data available
Viscosity	No data available
Volatile percent	No data available
VOC volume	No data available
Additional characteristics	No data available
Potential for dust explosion	No data available

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal storage conditions
Conditions to avoid	Avoid excessive temperatures and incompatible materials
Materials to avoid	Avoid chromic acid, nitric acid, ethylene glycol, strong caustics, most metals, carbonates, oxides and phosphates
Hazardous decomposition products	May produce toxic fumes of acetic acid
Hazardous polymerisation	Does not occur

11. TOXICOLOGICAL INFORMATION

General	Harmful if swallowed in large quantities
Inhaled	Harmful by inhalation, may cause sensitisation by inhalation
Ingestion	Harmful if swallowed
Skin contact	Irritating to skin, may cause sensitisation by skin contact

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Eye	Irritating to eyes
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	Do NOT let product reach waterways, drains, sewer systems, or enter the soil
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 data available
HAZCHEM	No data available
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	Nitrite Reagent A/Aquasonic Nitrite Test Kit
U.N number	UN2790
Dangerous goods class	No data available
Packaging method code	No data available
Packing group number	II
IERG number	No data available
Special precautions for user	Refer sections 7 and 8

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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
H ₂ O	Chemical formula for water	U.E.L.	Upper explosion Limit
Kg	Kilogram		

History

Reviewed	01/07/2019
Revision	1.1
Revision reason	Amendments to meet GHS standards

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.

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