

# SAFETY DATA SHEET

[AQUASONIC Pty. Ltd.](http://aquasonic.com.au)

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## NITRITE REAGENT A

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

<b>Product name</b>	NITRITE REAGENT A
<b>Product use</b>	Aquaculture and aquarium Reagent for determining NO <sub>2</sub> concentration in fresh and salt water
<b>Supplier details</b>	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
<b>Emergency contact</b>	Poisons Information Centre Tel: 1800 039 008
<b>Product size</b>	15mL dropper bottle and 100mL bottle, also incorporated into Aquasonic Nitrite Test Kit as 15mL dropper bottle
<b>Product code</b>	TK561, TK563, Complete Test Kit TK560

### 2. HAZARDS IDENTIFICATION

<b>GHS Classification</b>	Not a hazardous substance or mixture.	
<b>Hazard classification</b>	Skin Corrosion/irritation	Category 1A
	Serious eye damage/eye irritation	Category 1
	Skin sensitisation	Category 1
	Flammable liquid	Category 3

#### Label elements



<b>Signal word</b>	Warning	Corrosion	Warning
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#### Hazard statements

H226	Flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H332	Harmful if inhaled

#### Precautionary statements

Prevention

**Product name:** Nitrite Reagent A

**Prepared:** 25/06/2019

**Approved:** 01/07/2019

**Rev:** 1.1-7.19

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P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash face, hands and any exposed skin thoroughly after handling
P271	Use only outdoors or in a well ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/ face protection.
Response	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P302 + P352 + P333 + P313	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/ attention
P304 + P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P337 + P313	IF IN EYES: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/ attention.
Disposal	
P501	Dispose of contents/ container to an approved waste disposal plant.

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical composition

Sulphanilic Acid	CAS #: 121-57-3	WT: proprietary concentration
Sodium Hydroxide	CAS #: 1310-73-2	WT: proprietary concentration
Glacial Acetic Acid	CAS #: 64-19-7	WT: proprietary concentration
Distilled Water	CAS #: 7732-18-5	WT: proprietary concentration

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### 4. FIRST-AID MEASURES

<b>Swallowed</b>	Rinse mouth with water. Give plenty of water to drink provided victim is conscious. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Seek medical attention
<b>Eye</b>	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
<b>Skin</b>	Removed contaminated clothing. Wash affected area with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse
<b>Inhaled</b>	Remove victim from exposure to fresh air. If not breathing, apply CPR. If breathing is difficult, give oxygen. Seek medical attention

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### 5. FIRE-FIGHTING MEASURES

<b>Flammability</b>	Non-combustible in liquid form. High temperature gas release combustible
<b>Extinguishing media</b>	Dry chemical, CO <sub>2</sub> or water spray. Do NOT use water jets

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<b>Decomposition products</b>	May produce toxic fumes of acetic acid
<b>Flash point</b>	No data available
<b>Explosion limits</b>	<b>L.E.L.</b> No data available <b>U.E.L.</b> No data available
<b>Personal protective</b>	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and <b>equipment</b> 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

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## 6. ACCIDENTAL RELEASE MEASURES

<b>General response procedure</b>	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
<b>Clean up procedure</b>	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

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## 7. HANDLING AND STORAGE

<b>Handling</b>	Observe personal hygiene practices. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale vapours. Use in well-ventilated area
<b>Storage</b>	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

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>General</b>	No data available
<b>Exposure limits</b>	No data available
<b>Biological limits</b>	No data available
<b>Engineering measures</b>	Prevention of spillage into the work environment is recommended, use of local exhaust ventilation
<b>Personal protective equipment</b>	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
<b>Work hygienic practices</b>	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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state</b>	Liquid
<b>Appearance</b>	Clear/colourless liquid
<b>Colour</b>	Clear/colourless
<b>Odour</b>	Moderate odour of acetic acid (vinegar)
<b>pH</b>	2.5 – 3 pH
<b>Vapour pressure</b>	No data available
<b>Relative vapour density</b>	No data available
<b>Boiling point</b>	~100°C
<b>Melting point</b>	~0°C
<b>Freezing point</b>	0°C
<b>Solubility</b>	Miscible in water
<b>Specific gravity</b>	~1.15g/mL
<b>Flash point</b>	No data available
<b>Auto ignition temperature</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Bulk density</b>	No data available
<b>Corrosion rate</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Density</b>	No data available
<b>Specific heat</b>	No data available
<b>Molecular weight</b>	No data available
<b>Net propellant weight</b>	No data available
<b>Octanol water coefficient</b>	No data available
<b>Particle size</b>	No data available
<b>Partition coefficient</b>	No data available
<b>Saturated vapour concentration</b>	No data available
<b>Vapour temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Volatile percent</b>	No data available
<b>VOC volume</b>	No data available
<b>Additional characteristics</b>	No data available
<b>Potential for dust explosion</b>	No data available

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## 10. STABILITY AND REACTIVITY

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

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## 11. TOXICOLOGICAL INFORMATION

<b>General</b>	Harmful if swallowed in large quantities
<b>Inhaled</b>	Harmful by inhalation, may cause sensitisation by inhalation
<b>Ingestion</b>	Harmful if swallowed
<b>Skin contact</b>	Irritating to skin, may cause sensitisation by skin contact
<b>Eye</b>	Irritating to eyes
<b>Chronic</b>	Inhalation LC50 (rat): 11.4mg/L /1H Oral LD50 (rat): 3310mg/kg Skin LD50 (rabbit): 1060mg/kg
<b>Acute toxicity</b>	No data available
<b>Carcinogen category</b>	No data available
<b>Mutagenicity</b>	No data available

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## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No data available
<b>Persistence/degradability</b>	No data available
<b>Mobility</b>	No data available
<b>Environmental fate</b>	Do NOT let product reach waterways, drains, sewer systems, or enter the soil
<b>Bioaccumulation potential</b>	None to be expected (Log P (o/w) <1)
<b>Environmental impact</b>	No data available

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## 13. DISPOSAL CONSIDERATIONS

<b>General information</b>	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
<b>Special precautions for land fill</b>	Contact a specialist disposal company, or the local waste regulator for advice

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## 14. TRANSPORT INFORMATION

<b>Marine pollutant</b>	No data available
<b>HAZCHEM</b>	No data available
<b>Land transport</b>	Not regulated for transport of dangerous goods
<b>Air transport</b>	Not regulated for transport of dangerous goods
<b>Sea transport</b>	Not regulated for transport of dangerous goods
<b>Proper shipping name</b>	Nitrite Reagent A/Aquasonic Nitrite Test Kit
<b>U.N number</b>	UN2790/2789/1823
<b>Dangerous goods class</b>	No data available

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<b>Packaging method code</b>	No data available
<b>Packing group number</b>	II
<b>IERG number</b>	No data available
<b>Special precautions for user</b>	Refer sections 7 and 8

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## 15. REGULATORY INFORMATION

<b>Australia inventory (AICS)</b>	Not Listed
<b>ADG</b>	Not regulated for transport of dangerous goods

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## 16. OTHER INFORMATION

### Key/Legend

<	Less than	L	Litre of liquid
>	Greater than	<b>LC50</b>	Lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% of a group of test animals
<b>ADG</b>	Australian Code for the Transport of Dangerous Goods by Road & Rail	<b>LD50</b>	Lethal dose. LD50 is the amount of material, given all at once, which causes the death of 50% of a group of test animals
<b>AISC</b>	Australian Inventory of Chemical Substances	<b>L.E.L</b>	Lower explosion limit
<b>g</b>	Gram	<b>mg/L</b>	Milligram per litre of liquid
<b>g/L</b>	Grams per litre	<b>TWA</b>	Time weighted average
<b>H<sub>2</sub>O</b>	Chemical formula for water	<b>U.E.L.</b>	Upper explosion Limit
<b>Kg</b>	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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