

Material Safety Data Sheet

Issue date: May 2009

Hazardous according to criteria of Worksafe Australia

MARINE START

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY DETAILS:

Aquasonic Pty Ltd
14 Commerce Street
WAUCHOPE NSW 2446

Contact Details in case of emergency

Australian Poison Information Centre (in any state) 131126

Company Contact for information regarding Marine Start

Phone : +61 2 65864933

Fax: +61 2 65864944

Aquaculture Enquiries Email: aquaculture@aquasonic.com.au

Aquarium Enquiries Email: aquarium@aquasonic.com.au

PRODUCT DETAILS:

Product Name: Marine Start

Use: To provide a source of nitrogen for plant growth in aquariums.

Dangerous Goods Class: Not applicable

Subsidiary risk: None allocated

Packing Group: III

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME

Ammonium chloride
Tartrazine Dye CI 119140
Water, Deionized

Proportion

5.75 g/100mL
less than 0.1 %w/v
Balance V/V

CAS Number

12125-02-9
1934-21-0
7732-18-5

3. HAZARD IDENTIFICATION

Non Hazardous according to the criteria of Worksafe Australia

Hazard Category: Not hazardous

Health:	1
Flammability	0
Reactivity	0

Hazard Rating: NA = Not Applicable NE = Not Established				
Least	Slight	Moderate	High	Extreme
0	1	2	3	4

ACUTE HEALTH EFFECTS

Swallowed: Harmful if swallowed. May cause irritation. Avoid breathing vapours, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

Transport information : Not hazardous

4. FIRST AID MEASURES

Harmful if swallowed. May cause irritation. Avoid breathing vapours, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

FIRST AID: SKIN: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists, seek medical attention.

EYE: If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. Immediately transport to hospital or doctor.

INHALED: Remove victim to fresh air. Apply resuscitation if victim is not breathing - DO NOT USE DIRECT MOUTH - TO - MOUTH METHOD if victim ingested or inhaled substance; use alternative respiratory method or proper respiratory device. If breathing is difficult, give oxygen.

First Aid Facilities: Eye wash fountain, safety shower and normal wash room facilities.

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Fire/Explosion Hazards: None known

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

6. ACCIDENTAL RELEASE MEASURES

Take up with sand, dirt, vermiculite or other inert material. Flush excess down drain.

7. HANDLING AND STORAGE

Store in a moderately cool place. Not classified as combustible for the purpose of storage and handling. Store away from sources of heat or ignition, strong alkalis, acids, combustibles and oxidizing agents. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection: None required

Mechanical:
exposure

Hand Protection: Gloves to prevent skin
as latex or vinyl.

Ventilation : Local:
Exhaust Required

Eye
Protection: Splash goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, light yellow, odourless liquid
Melting Point:	Not applicable.
Boiling Point:	ca 1030 °C @ 760 mm Hg
Vapour Pressure:	Information not available.
Vapour Density:	Information not available.
Specific Gravity:	about 1.03 g/mL
Percent Volatile by Volume:	> 94
Flash Point:	Not flammable
Solubility in Water:	Miscible
pH:	5.0 – 6.0

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Could produce ammonia gas if heated with bases.

HAZARDOUS POLYMERIZATION: Not known to occur.

INCOMPATIBILITIES: Strong basic conditions.

CONDITIONS TO AVOID: Heat, flames, ignition sources and incompatibles such as strong bases.

11. TOXICOLOGICAL INFORMATION

Toxicity data: Harmful if swallowed in large quantities. Skin, eye and respiratory irritant.

ORL -INF LDLO 40 mLs /kg

ORL -RAT LD50 33mLs /kg

Conditions aggravated/Target organs: Persons with pre-existing skin, eye, or respiratory disorders may be more susceptible.

Acute: Irritation and pain to skin, eyes, lungs, mucous membranes, and GI tract. Eye damage, nausea, acidosis.

Chronic: None known

DOT Classification: Not regulated

DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.

13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be washed to drain with copious amounts of water. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

UN Number: Not applicable

Proper Shipping Name: Marine Start

Dangerous Goods Class: Not classified

Subsidiary risk: None allocated

Packing Group: III

Hazchem Code: Not applicable

15. REGULATORY INFORMATION

Poison Schedule: Not scheduled

16. OTHER INFORMATION

Contact Point

Aquasonic Pty Ltd
14 Commerce Street
Wauchope NSW 2446
Phone: +61 2 65864933

Disclaimer

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

Prepared May 2009