

Material Safety Data Sheet

Issue date: March 2009

Not Hazardous according to criteria of Worksafe Australia

STRONTIUM - SUP

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 Nitrite Test Kit Reagent B

Phone : +61 2 65864933

Fax: +61 2 65864944

Aquaculture Enquiries Email: aquaculture@aquasonic.com.au

Aquarium Enquiries Email: aquarium@aquasonic.com.au

Use: For the treatment of strontium depletion in fish tanks and aquariums

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

<u>Chemical</u>	<u>CAS</u>	<u>% w/v</u>
Strontium chloride hexahydrate	10025-70-4	5.00
Purified water	7732-18-5	Balance

Chemical Formula: SrCl₂.6H₂O in water 5% w/v.

Toxicological Data on Ingredients: Strontium SUP ORAL (LD50): Acute: 10,000 mg/kg [Rat].

SECTION 3: Hazards Identification

Potential Acute Health Effects: Large volumes very hazardous in case of ingestion.

Hazardous in case of eye contact (irritant),

Potential Chronic Health Effects:

Very hazardous in case of ingestion of large volumes.

Hazardous in case of eye contact (irritant).

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

SECTION 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact: No known effect on skin contact, rinse with water for a few minutes.

Serious Skin Contact: Not available.

Inhalation: Not applicable.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

SECTION 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not applicable

Risks of explosion of the product in presence of static discharge: Not applicable

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not explosive.

SECTION 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled liquid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill: Move the spilled liquid by washing with water into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

SECTION 7: Handling and Storage

Precautions: Do not ingest. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label.

Storage: No specific storage is required. Use shelves or cabinets sturdy enough to bear the weight of the chemicals. Be sure that it is not necessary to strain to reach materials, and that shelves are not overloaded.

SECTION 8: Exposure Controls/Personal Protection

Engineering Controls: Solution is a 5% w/v of strontium chloride in water. As such it poses no problems for engineering controls.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill:

Not hazardous material but treat with care.

Exposure Limits: Not available.

SECTION 9: Physical and Chemical Properties

Physical state and appearance: Clear, odourless and slightly coloured liquid.

Taste: Astringent.

pH: About pH 7.0.

Boiling Point: About 110C

Specific Gravity: 1.04 (Water = 1)

Vapor Pressure: Not available

Dispersion Properties: Very soluble in water.

Solubility: Easily soluble in cold water, hot water.

SECTION 10: Stability and Reactivity Data

Stability: The product is stable.
Instability Temperature: Not available.
Conditions of Instability: Not available.
Incompatibility with various substances: Not available.
Corrosivity: Non-corrosive in presence of glass.
Special Remarks on Reactivity: Not available.
Special Remarks on Corrosivity: Not available.
Polymerization: No.

SECTION 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.
Toxicity to Animals: Acute oral toxicity (LD50): > 10,000 mg/kg [Rat].
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Not hazardous if small quantities are ingested
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans: Animal: passes through placental barrier, excreted in maternal milk.
Special Remarks on other Toxic Effects on Humans: Not available.

SECTION 12: Ecological Information

Ecotoxicity: Not available.
BOD5 and COD: Not available.
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: The products of degradation are more toxic.
Special Remarks on the Products of Biodegradation: Not available.

SECTION 13: Disposal Considerations/Environmental

Waste Disposal: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. 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.

SECTION 14: Transport Information

DOT Classification: Not a DOT controlled material

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

SECTION 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Strontium chloride solution 5%

Other Regulations: Not available.

Other Classifications:

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment: Not applicable.

SECTION 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.

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