

MATERIAL SAFETY DATA SHEET

Power!

STATEMENT OF HAZARDOUS NATURE: Not hazardous according to Worksafe criteria

COMPANY DETAILS

Company Name: Aquasonic Pty Ltd
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IDENTIFICATION

Trade Name: Power!
UN Number: None Allocated
DG Class: None
Allocated Packing Group: None
Allocated Hazchem Group: None
Allocated Poisons Schedule: Not Scheduled
Product Use: To treat aquarium water to eliminate residual chlorine

PHYSICAL DATA

Physical and Chemical Properties

Appearance: Light blue solution of sodium thiosulphate in water
Odour: Odourless
Specific Gravity: 1.040-1.055g/mL
Boiling Point: About 108°C
Flash Point: Not relevant
Melting Point: Not relevant
Ingredients: A solution of sodium thiosulphate in water
Flammability: Not Flammable

Chemical Properties

pH: about 7-8
Odour: Distinct but faint characteristic odour

OTHER PROPERTIES

Form: Light blue, clear aqueous solution
Other Information: Keep away from dilute and strong acids

STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage
Incompatibilities: Incompatible with acidic materials, metal nitrates, sodium nitrite, iodine, lead, mercury and silver salts.
Instable conditions: Not applicable
Decomposition Temperature: Above 100°C
Decomposition Products: Toxic fumes of hydrogen sulphide and oxides of sulphur and sodium oxide when heated to evaporation and subsequent decomposition.

HEALTH HAZARD INFORMATION

Health Effects

Acute – Swallowed:	Ingestion may cause irritation to the lining of the throat due to high content of sodium thiosulphate. In the acid conditions of the stomach the sodium thiosulphate easily decomposes into sulphur dioxide which can cause abdominal pain, suffocation, violent vomiting, headache and diarrhoea.
Chronic:	prolonged or repeated exposure will cause effects similar to acute exposure leading to severe stomach damage. Sodium thiosulphate is toxic but not a known carcinogen.
Acute – Eye:	Vapour may cause irritation to the eyes with redness, pain and blurred vision. Higher concentrations or splashes may cause irreversible eye damage.
Acute – Skin:	Prolonged skin contact will give rise to mild irritation. Repeated or prolonged exposure may cause burning to the skin.
Acute – Inhaled: lungs	Inhalation could cause damage to the lining of the nose, throat and lungs

FIRST AID

Swallowed:	If swallowed seek medical advice immediately. Do not induce vomiting. Give large quantities of milk or water. Keep affected person warm and at rest. Never give anything by mouth to an unconscious person. Contact the Poisons Information Centre (Ph: 131 126)
Eye:	Immediately irrigate the affected eye(s) with cold running water for 15 mins, lifting upper and lower eyelids occasionally. If discomfort persists, seek medical advice
Inhaled:	Wear effective mask, if inhaled move to fresh air. Supply oxygen. If not breathing give artificial respiration. Seek medical advice
Skin:	Wash with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Wash clothing before re-use. Call a doctor if irritation persists.

PRECAUTIONS FOR USE

Exposure Limits:	Not Applicable
Personal Protection:	Wear protective gloves when handling.
Flammability:	Not inflammable, will not support combustion. Will not burn.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions: Store in a cool dry place away from incompatible chemicals such as strong or dilute acids.

Spills and Disposal

Spills and Disposal: Keep unnecessary people away. Wear protective clothing equipment. Do not flush to waste. Dispose of in accordance with local, state and federal regulations.

Fire/Explosion Hazard

Flash Point: None

Extinguishing Media: None, non-flammable. Media appropriate for surrounding fire.
Fire/Explosion Hazard: Not Applicable but at very high temperatures toxic fumes could be produced such as sulphur dioxide. Wear self contained breathing apparatus and protective clothing during fire fighting operations.

Hazchem Code: None Allocated