

Material Safety Data Sheet

Issue Date: March 2014

Not classified as hazardous according to criteria of Worksafe Australia

IODINE – 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

PRODUCT DETAILS:

Product Name: Iodine - Sup

Use: Dangerous Goods Class:

Subsidiary risk: None allocated

Packing Group: III

Hazchem Code: PG11

2. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME

Iodine
Potassium Iodide
WATER

CAS Number

7553-56-2
7681-18-5
7732-18-5

Exposure Limits

OSHA (C) 0.1 ppm
TXDS: orl-hmn LDLo: 1862 kg/kg
None established

3. HAZARD IDENTIFICATION

Not hazardous according to the criteria of Worksafe Australia

Hazard Category: Not hazardous

Health:	2
Flammability	0
Reactivity	0

Hazard Rating:

Least	Slight	Moderate	High	Extreme
0	1	2	3	4

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.

4. FIRST AID MEASURES

FIRST AID:

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.

Skin: If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available.

Inhaled: Remove victim to fresh air. Apply resuscitation if victim is not breathing – give artificial respiration. If breathing is difficult, give oxygen.

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

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Fire/Explosion Hazard

EXTINGUISHING MEDIA: Use any means suitable for extinguishing surrounding fire. Dry chemical, carbon dioxide, foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

Fire/Explosion Hazards: Not combustible, however, contact with reducing agents or combustibles may cause ignition.

Flammability: Slight hazard. If involved in a fire it generates noxious and corrosive fumes.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY ACTION: Neutralize iodine by adding sodium thiosulphate solution until iodine colour is gone. Pick up with absorbent material.

SPILL OR LEAK PROCEDURE: Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour.

SMALL SPILLS: Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labeled drum(s) for later disposal.

LARGE SPILLS: Notify Emergency Services (Police or Fire Brigade). Tell them location, nature and any information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

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, on clothing. Wash thoroughly after handling

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory:None required.
Protection:

Ventilation:	Local Exhaust : Yes Mechanical : No	Protective Gloves:	Gloves to prevent skin exposure as latex or vinyl
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Exposure Standards

IODINE (Below Cutoff)

(Worksafe Australia)

[TWA] 0.1 ppm 1 mg/m³

[STEL]Peak limitation
(ACGIH)

[STEL] 0.1 (Ceiling) 1.0 (Ceiling)

Potassium Iodide

No Exposure details available

WATER

No Exposure details available

Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

Personal Protection Equipment

CLOTHING: PVC, Nitrile, Neoprene, Natural rubber or any other type of apron or splash suit.

GLOVES: PVC, Nitrile, Neoprene, Natural rubber or any other type of glove.

EYES: Chemical goggles or face-shield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of gases.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light brown liquid with iodine odour.
Boiling Point:	ca 100 °C @ 760 mm Hg
Vapour Pressure:	No Information available.
Vapour Density:	Not available
Specific Gravity:	> 1.0
Flash Point:	Not available
Solubility in Water:	Soluble
pH:	about 7-8
Percent Volatile by Volume:	about 95%
Evaporation Standard:	Auto Ignition Temp: Not applicable Lower Flamm. Limit in Air: Not applicable. Evaporation Rate: Information not available

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS DECOMPOSITION PRODUCTS: Iodine fumes

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Active metals, ammonia, acetylene, acetaldehyde

CONDITIONS TO AVOID: Avoid exposure to light

OTHER PROPERTIES: Iodine vapour can permeate plastic containers over time and stain shelving and adjacent products.

11. TOXICOLOGICAL INFORMATION

RISK PHRASES

None allocated

SAFETY PHRASES

S2 Keep out of reach of children.

S23 Do not breathe fumes or vapour/spray

S25 Avoid contact with eyes.

12. ECOLOGICAL INFORMATION

None allocated

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION

UN Number: None allocated

Proper Shipping Name: NONE ALLOCATED

Dangerous Goods Class: None allocated

Subsidiary risk: None allocated

Packing Group: None allocated

Hazchem Code: None allocated

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT (US), IACO (IATA) or IMO (IMDG).

15. REGULATORY INFORMATION

Poison Schedule: None allocated

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 March 2014