

# MATERIAL SAFETY DATA SHEET

## Section 1: Product and Company Identification

### AQUASONIC FRESH PH INDICATOR

**Product Code:** TK-FRESH-IND  
**Product Name:** Fresh pH Indicator  
**Chemical Family:** Compounded Liquid  
**Synonyms:** Little Aussie Indicator

### **Manufacturer Name and Address**

Aquasonic Pty Ltd  
14 Commerce St  
Wauchope NSW 2446

### **Contact Details**

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Aust Poisons Centre: 131126

### **Dates**

Date Created: 21<sup>st</sup> August 2007  
Revision:

## Section 2: Hazards Identification

*As part of good industrial and personal hygiene and safety procedures, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.*

**Inhalation:** will cause mild irritation to nose, throat and lungs

**Skin Contact/Absorption:** Irritation and prolonged contact may cause dermatitis

**Eye Contact:** Could cause immediate pain, conjunctival reddening, and can cause injury to corneal membrane.

**Ingestion:** Will cause poisoning at high amounts as contains methylated spirits. Denaturant methyl alcohol. Prolonged ingestion will lead to blindness and possibly death.

**Chronic/Acute Effects:** Causes mild irritation of eyes, nose, throat and bronchial tubes. Keep out of reach of children.

**Exposure Limits:** Data not available

**Irritancy:** Mild irritant

**Carcinogenicity:** Not considered to be carcinogenic as per NTP, IARC, OSHA, Z list

**Reproductive Toxicity:** None identified

**Teratogenicity:** Data not available

**Sensitisation:** Data not available

**Mutagenicity:** Data not available

**Synergistic Materials:** Data not available

**Animal Toxicity Data:** Data not available but as for humans

## **PREVENTATIVE MEASURES**

**Respiratory Protection:** At concentrations above 4ppm up to 500ppm, use chemical cartridge respirator with acid/organic cartridge.

**Skin Protection:** Impervious gloves, body suits, boots, and other resistant protective clothing (rubber or PVC). Wash contaminated clothing with soap and water and dry before reuse.

**Eye/Face Protection:** Chemical goggles or safety glasses are to be worn at all times when product is handled. Contact lenses should not be worn; they may contribute to severe eye injury.

**Special Handling Procedures:** Use sensible industrial hygiene and housekeeping practices. Wash thoroughly after handling. Avoid situations that could lead to harmful exposure.

**Storage Requirements:** Keep in a cool, dry location. Keep out of reach of children.

**Engineering controls:** None applicable.

## **Section 3: First Aid Measures**

**Inhalation:** Remove victim to fresh air. Give artificial respiration only if breathing has stopped. If breathing is difficult, give oxygen. Seek immediate medical attention.

**Skin Contact:** Remove contaminated clothing. Flood affected area with water. Seek medical attention if irritation occurs or persists.

**Eye Contact:** Flush immediately with water for at least 20 minutes. Forcibly hold eyelids apart to ensure complete irrigation of eye tissue. Seek immediate medical attention.

**Ingestion:** Seek immediate medical attention.

**CONTACT THE AUSTRALIAN POISONS CENTRE ON 131 126**

## **Section 4: Fire Fighting Measures**

**General Information:** Not considered flammable. Move container if possible, cool with flooding amounts of water. Avoid breathing vapours, knock down with water spray.

**Extinguishing Media:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. Will not support combustion.

## **Section 5: Accidental Release Measures**

**General Information:** Use proper personal protective equipment as indicated in Section 7.

**Spills/Leaks:** Wash down area with water. Absorb liquid with inert or neutralizing substance such as fuller's earth, cement powder, fly ash, sand.

## **Section 6: Handling and Storage**

**Handling:** Wash thoroughly after handling. Use only in a well ventilated area. Avoid prolonged or repeated contact with skin.

**Storage:** Store in a cool, dry area away from heat and oxidisers.

## **Section 7: Exposure Controls/Personal Protection**

### **Personal Protective Equipment**

**Eyes:** Wear safety glasses and chemical goggles or face shield if handling liquids. Provide an eye-wash fountain in the immediate work area. Do not wear contact lenses when working with chemicals.

**Skin:** Wear acid protective clothing and gloves

**Clothing:** Wear acid protective clothing and gloves

**Work/Hygienic/Maintenences:** Wash hands before eating, smoking or using restroom.

### **Section 8:** Physical and Chemical Properties

**Physical State:** Clear liquid

**Appearance:** colourless

**Odour:** Very slight odour

**pH:** mildly basic

**Vapour Pressure:** Not applicable

**Vapour Density:** Not applicable

**Evaporation Rate:** As for water

**Boiling Point:** About 100°C

**Freezing/Melting Point:** 0-4°C

**Decomposition Temperature:** Not available

**Autoignition Temperature:** Not available

**Flash Point:** Not available

**NFPA Rating:** Not published

**Explosion Limits, Lower:** Not available

**Upper:** Not available

**Solubility:** Miscible

**Specific Gravity/Density:** 1.00

**Molecular Formula:** Not Available

**Molecular Weight:** Not available

### **Section 9:** Stability and Reactivity

**Chemical Stability:** Stable under normal temperatures and pressures

**Conditions to avoid:** Compatible with most chemicals

**Incompatibilities with other materials:** Not relevant

**Hazardous Decomposition Products:** Small amounts of carbon oxides

**Hazardous Polymerisation:** Not applicable

### **Section 10:** Toxicological Information

**LD50/LC50 Information:** For Methylated Spirits: This is a mixture of ethanol (99.7%) and a denaturant such as methyl isobutyl ketone (0.1%). If digested in very large quantities Aquasonic pH Fresh Indicator would show the effects of alcohol poisoning.

**Epidemiology:** Very mild eye, mucous membrane and skin irritant, skin sensitizer

**Teratogenicity:** No data available

**Reproductive Effects:** No data available

**Neurotoxicity:** No data available

**Mutagenicity:** No data available

**Other Studies:** No data available

### **Section 11:** Ecological Information

No information available but in general material is neutral in chemistry and would not be detrimental to lakes, streams and plant present areas.

### **Section 12:** Disposal Considerations

**Waste Disposal Method:** Dispose of according to local, state and federal regulations. Wrap empty containers in paper and place in waste bins.

**Section 13:** Transport Information

Non hazardous material.

**Section 14:** Regulatory Information

Not regulated

**Section 15:** Other Information

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