

# SAFETY DATA SHEET

**AQUASONIC Pty. Ltd.**

**[aquasonic.com.au](http://aquasonic.com.au)**

## MARINE pH INDICATOR

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

|                          |  |
|--------------------------|--|
| <b>Product name</b>      | MARINE pH INDICATOR  |
| <b>Product use</b>       | Ornamental aquariums and aquaculture<br>Measure pH values in fresh water   |
| <b>Supplier details</b>  | Aquasonic Pty Ltd (ABN 70 001 427 256)<br>14 Commerce Street<br>Wauchope NSW 2446<br>Australia<br>Tel: +61 2 6586 4933<br>Fax: +61 2 6586 4944 |
| <b>Emergency contact</b> | Poisons Information Centre Tel: 1800 039 008   |
| <b>Product size</b>      | 15ml, 100ML, 1L, also incorporated into Marine pH Test Kit as 15ml dropper bottle  |
| <b>Product code</b>      | TK541, TK542, TK543, Complete Test Kit TK540   |

### 2. HAZARDS IDENTIFICATION

|                                    |   |                           |
|------------------------------------|---|---------------------------|
| <b>GHS Classification</b>          | Not a hazardous substance or mixture                  |                           |
| <b>Hazard Classification (GHS)</b> | Flammable Liquid<br>Serious eye damage/eye irritation | Category 2<br>Category 2A |

#### Symbol (GHS)



#### Signal word

Warning

Danger

#### Hazard statements

|      |                                    |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapour |
| H319 | Causes serious eye irritation      |

#### Precautionary statements

|      |  |
|------|--|
| P101 | If medical advice is needed, have product container or label at hand.                          |
| P102 | Keep out of reach of children.   |
| P210 | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P233 | Keep container tightly closed.   |
| P264 | Wash contaminated skin thoroughly after handling   |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection                   |

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|                |  |
|----------------|--|
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower                              |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313      | If eye irritation persists: Get medical advice/ attention.   |
| P370+P378      | In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  |
| P403+P235      | Store in a well-ventilated place. Keep cool.   |
| P501           | Dispose of contents/ container in accordance with national regulations   |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical composition

|                    |                  |                               |
|--------------------|------------------|-------------------------------|
| M-Cresol Purple    | CAS #: 2303-01-7 | WT: proprietary concentration |
| O-Cresol Red       | CAS #: 1733-12-6 | WT: proprietary concentration |
| Distilled Water    | CAS #: 7732-18-5 | WT: proprietary concentration |
| Methylated Spirits | CAS #: 64-17-5   | WT: proprietary concentration |

## 4. FIRST-AID MEASURES

|                  |  |
|------------------|--|
| <b>Swallowed</b> | Get medical attention immediately. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting |
| <b>Eye</b>       | Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice  |
| <b>Skin</b>      | Removed contaminated clothing. Wash affected area with plenty of soap and water for at least 15 minutes. Seek medical attention. Wash clothing before reuse  |
| <b>Inhaled</b>   | Remove victim from exposure to fresh air. If not breathing, apply CPR. If breathing is difficult, give oxygen. Seek medical attention  |

## 5. FIRE-FIGHTING MEASURES

|                               |   |
|-------------------------------|---|
| <b>Flammability</b>           | Non combustible   |
| <b>Extinguishing media</b>    | Use appropriate extinguishing media for surrounding fire  |
| <b>Decomposition products</b> | In case of fire may produce toxic fumes of carbon dioxide and carbon monoxide   |
| <b>Flash point</b>            | No data available   |
| <b>Explosion limits</b>       | <b>L.E.L.</b> No data available <b>U.E.L.</b> No data available   |
| <b>Personal protective</b>    | Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and <b>equipment</b> protective firefighting clothing (including helmets, boots and gloves). Clear fire area of all non-emergency personnel. Eliminate ignition source. Move fire |

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exposed containers from fire area if it can be done without risk. Do not allow firefighting water to reach waterways, drains or sewers. Store firefighting water for treatment

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## 6. ACCIDENTAL RELEASE MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>General response procedure</b> | Keep unnecessary people away from spill. Personnel involved in clean up should wear full protective clothing as outlined in section 8. Eliminate sources of ignition. Stop leak/spillage if safe to do so. Small spills may be flushed to drains/sewers. Isolate area if large spill by sand bagging around edges and covering with plastic sheeting |
| <b>Clean up procedure</b>         | Contain and sweep/shovel up spills with adsorbent material. Transfer waste to a suitable, labelled chemical waste container and dispose of promptly as hazardous waste. Small spills may be flushed to drains or sewers  |

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## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Observe personal hygiene practices. Wash thoroughly after handling. Avoid contact with eyes, skin and clothing. Do not inhale vapours. Use in well-ventilated area   |
| <b>Storage</b>  | Store in original packaging in a cool, dry area. Keep containers tightly closed when not in use. Protect from physical damage. Store away from incompatible materials as listed in section 8. Do not allow product to come into contact with acids or water. Do not store with acids. Keep at room temperature |

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                      |  |
|--------------------------------------|--|
| <b>General</b>                       | No data available  |
| <b>Exposure limits</b>               | No data available  |
| <b>Biological limits</b>             | No data available  |
| <b>Engineering measures</b>          | Prevention of spillage into the work environment is recommended  |
| <b>Personal protective equipment</b> | EYES: Safety glasses with side shields, chemical goggles or face shield<br>HANDS: Wear impervious gloves (Nitrile rubber recommended)<br>CLOTHING: Long-sleeved impervious protective clothing advised   |
| <b>Work hygienic practices</b>       | Observe personal hygiene and personal protection practices. Wash hands thoroughly after handling product. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapours. Wash contaminated clothing before storage, or before reusing. |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                |                                      |
|--------------------------------|--------------------------------------|
| <b>Appearance/ Colour</b>      | Aqueous , yellow/orange, translucent |
| <b>Odour</b>                   | Distinct alcoholic                   |
| <b>pH</b>                      | 6-7 (concentrated solution)          |
| <b>Relative vapour density</b> | No data available                    |

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|                                     |                   |
|-------------------------------------|-------------------|
| <b>Boiling point</b>                | ~80°C             |
| <b>Melting point</b>                | No data available |
| <b>Freezing point</b>               | ~0°C              |
| <b>Solubility</b>                   | Miscible in water |
| <b>Specific gravity</b>             | No data available |
| <b>Flash point</b>                  | No data available |
| <b>Auto ignition temperature</b>    | No data available |
| <b>Evaporation rate</b>             | No data available |
| <b>Decomposition temperature</b>    | No data available |
| <b>Density</b>                      | No data available |
| <b>Specific heat</b>                | No data available |
| <b>Octanol water coefficient</b>    | No data available |
| <b>Potential for dust explosion</b> | No data available |
| <b>Volatility</b>                   | <30%              |

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## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Chemical stability</b>               | Stable under normal conditions of use, storage and temperature |
| <b>Conditions to avoid</b>              | Avoid storage with acidic/basic materials and ignition sources |
| <b>Materials to avoid</b>               | Strong oxidising agents. Strong acids. Alkali metals.          |
| <b>Hazardous decomposition products</b> | May produce toxic fumes of carbon dioxide and carbon monoxide  |
| <b>Hazardous polymerisation</b>         | Does not occur   |

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## 11. TOXICOLOGICAL INFORMATION

|                            |   |
|----------------------------|---|
| <b>General</b>             | To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated |
| <b>Inhaled</b>             | No data available   |
| <b>Ingestion</b>           | No data available   |
| <b>Skin contact</b>        | No data available   |
| <b>Eye</b>                 | No data available   |
| <b>Chronic</b>             | No data available   |
| <b>Acute toxicity</b>      | No data available   |
| <b>Carcinogen category</b> | No data available   |
| <b>Mutagenicity</b>        | No data available   |

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## 12. ECOLOGICAL INFORMATION

|                                  |  |
|----------------------------------|--|
| <b>Ecotoxicity</b>               | Dangerous to the environment if discharged into watercourses |
| <b>Persistence/degradability</b> | No data available  |
| <b>Mobility</b>                  | No data available  |
| <b>Environmental fate</b>        | No data available  |
| <b>Bioaccumulation potential</b> | None to be expected (Log P (o/w) <1)                         |
| <b>Environmental impact</b>      | No data available  |

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## 13. DISPOSAL CONSIDERATIONS

|  |   |
|--|---|
| <b>General information</b>               | Dispose of in accordance with local, state and federal regulations. All empty packaging should be disposed of in accordance with local, state and federal regulations |
| <b>Special precautions for land fill</b> | Contact a specialist disposal company, or the local waste regulator for advice  |

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## 14. TRANSPORT INFORMATION

|                                     |  |
|-------------------------------------|--|
| <b>Marine pollutant</b>             | No   |
| <b>HAZCHEM</b>                      | Not applicable                                 |
| <b>Land transport</b>               | Not regulated for transport of dangerous goods |
| <b>Air transport</b>                | Not regulated for transport of dangerous goods |
| <b>Sea transport</b>                | Not regulated for transport of dangerous goods |
| <b>Proper shipping name</b>         | Aquasonic Marine pH Indicator                  |
| <b>U.N number</b>                   | Not classified                                 |
| <b>Dangerous goods class</b>        | Not regulated for transport of dangerous goods |
| <b>Packaging method code</b>        | No data available                              |
| <b>Packing group number</b>         | III  |
| <b>IERG number</b>                  | No data available                              |
| <b>Special precautions for user</b> | Refer sections 7 and 8                         |

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## 15. REGULATORY INFORMATION

|                                   |  |
|-----------------------------------|--|
| <b>Australia inventory (AICS)</b> | Not Listed                                     |
| <b>ADG</b>                        | Not regulated for transport of dangerous goods |

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## 16. OTHER INFORMATION

### Key/Legend

|                       |   |               |   |
|-----------------------|---|---------------|---|
| <                     | Less than   | <b>L</b>      | Litre of liquid   |
| >                     | Greater than  | <b>LC50</b>   | Lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% of a group of test animals |
| <b>ADG</b>            | Australian Code for the Transport of Dangerous Goods by Road & Rail | <b>LD50</b>   | Lethal dose. LD50 is the amount of material, given all at once, which causes the death of 50% of a group of test animals      |
| <b>AISC</b>           | Australian Inventory of Chemical Substances                         | <b>L.E.L</b>  | Lower explosion limit   |
| <b>g</b>              | Gram  | <b>mg/L</b>   | Milligram per litre of liquid   |
| <b>g/L</b>            | Grams per litre   | <b>TWA</b>    | Time weighted average   |
| <b>H<sub>2</sub>O</b> | Chemical formula for water  | <b>U.E.L.</b> | Upper explosion Limit   |

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**Kg** Kilogram

## History

|                 |                                  |
|-----------------|----------------------------------|
| Reviewed        | 25/06/2019                       |
| Revision        | 1.1                              |
| Revision reason | Amendments to meet GHS standards |

## Notice to reader

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