

**AS5250 pH 4.01 ORP 250mV Combo Buffer Solution**  
**Material Safety Data Sheets**

**SECTION 1 – IDENTIFICATION OF PREPARATION**

**Product Name: Code No:** > pH 4.01 ORP 250mV Combo Buffer Solution  
**Code No:** >AS5250

**Application:**  
> pH/ORP Buffer solution

**Manufacturer:** Aquarius Technologies Pty Ltd  
**Address:** 1/23 Richland Avenue  
Coopers Plains Qld 4108

**SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS**

**Chemical Characterization:** >Solution in water  
**Chemical Composition:**  
>Potassium Hydrogen Phthalate:<2.0%  
>Stabilizers: <0.01%  
>QuinHydrone < 0.1%

**SECTION 3 – HAZARD IDENTIFICATION**  
N/A

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#### SECTION 4 – FIRST AID MEASURES

**Eye Contact:**

>Irrigate thoroughly with water.  
If discomfort persists obtain medical attention.

**Inhalation:**

>N/A

**Ingestion:**

>Wash out mouth thoroughly with water and give plenty of water to drink.

**Skin Contact:**

>Wash off thoroughly with soap and water

In severe cases obtain medical attention

#### SECTION 5 – FIRE FIGHTING MEASURES

**Special Risks:**

>N/A

**Fire Extinguisher:**

>N/A

**Special Fire Precautions:**

>None

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**In Case Of Accidental Spill Or Release:**

>If local regulations permit, mop up cautiously with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company.

#### SECTION 7 – HANDLING & STORAGE

**Handling:**

>Do not eat or drink while handling this material  
>Wash hands and face after working with this material

**Storage:**

>Store at room temperature 15-25°C  
>Protect from direct sunlight  
>Keep container well closed  
>Keep away from children

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## SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

As appropriate to quantity handled

**Respiratory Protection:**

>Not applicable

**Protective Gloves:**

>Rubber or Plastic

**Eye Protection:**

>Goggles or face shield

## SECTION 9 – PHYSICAL/CHEMICAL PROPERTIES

**Appearance & Odour:**

>Slightly soapy  
>Odourless

**Water Reactivity:**

>Non-reactive

**Solubility in Water:**

>Miscible in any proportion

**Melting Point:**

>N/A

**Boiling Point:**

>100°C

## SECTION 10 – STABILITY AND REACTIVITY

**Stability:**

>Stable

## SECTION 11 – TOXICOLOGICAL INFORMATION

**In Case of Ingestion:**

>After ingestion of large amounts: nausea, vomiting or diarrhea. However, when handled properly, hazardous effects are unlikely to occur

**In Case of Skin Contact**

>May cause conjunctivitis

**Further Data:**

LD50 (oral-rat) = N/A

No evidence of mutagenic or teratogenic effects.

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## SECTION 12 – ECOLOGICAL INFORMATION

>No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

## SECTION 13 – DISPOSAL CONSIDERATIONS

### **Waste Disposal:**

- >In compliance with current regulations
- >Chemical residues are generally classified as special waste and thus covered by local regulations. Contact authorities or disposal companies for advice.
- >Wash empty containers before recycling

## SECTION 14 – TRANSPORT INFORMATION

UN-No.: IMDG class: NR  
IMO: NR Packaging Group:  
IATA: NR Packaging Group:  
Correct technical name: Not Restricted  
ADR/RID: NR

## SECTION 15 – REGULATORY INFORMATION

### **Labeling According to EEC Directives:**

R-phrases:

S-phrases:

## **SECTION 16 – OTHER INFORMATION**

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