

### 1. Identification of the Substance/Preparation:

**Use:** A liquid pH buffer (pH 4) used for calibrating pH Meters

**Product name:** pH Buffer 4.0

**Company:** Floragarden Wholesale

**Address:** PO Box 173, Applecross, WA 6953, AUSTRALIA.

**Telephone Number:** (+61) 0411-297-030

**Emergency Telephone Numbers:** (+61) 0411-297-030

### 2. Hazards identification

Non hazardous according to criteria of NHOSC Australia. Non dangerous good

### 3. Composition/information on ingredients

A liquid pH buffer (pH 4) used for calibrating pH Meters

Chemical Name	CAS	Concentration
Potassium hydrogen phthalate (non hazardous)	877-24-7	<1.1%
Water		To 100%

### 4. First-aid measures

**Swallowed:** Discomfort from swallowing large amounts.

Drink large amounts of water or milk. Seek medical advice.

**Eye:** If this product comes in contact with eyes, hold open and wash with running water for at least 15 minutes. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. Seek medical attention.

**Skin:** If this product comes in contact with skin, wash with water. Remove contaminated clothing and footwear. Ensure contaminated clothing is thoroughly washed before using again.

**Inhaled:** Not applicable

**Advice to doctor:** Treat symptomatically.

### 5. Fire fighting measures

**Fire / Explosion:** This product is not flammable.

**Flammability:** Not flammable.

**Extinguishing Media:** Use water spray, CO2, foam, or dry chemical powder.

### 6. Accidental release measures

**Spills:** Will promote algae growth therefore prevent from entering rivers, canals and other waterways. Stop leak if safe to do so and contain spill. Absorb into vermiculite or other absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. Recycle containers wherever possible. After spills, wash area, prevent runoff from entering drains. If material enters drains, dilute with excess water. Dispose only in compliance with local regulations. Launder all contaminated clothing before reuse.

**Disposal (After treatment above)**

Refer to waste management authority.

### 7. Handling and storage

Always store in original container. Containers should be kept closed to minimize contamination. To preserve integrity of product, store in a cool, dark place.

### 8. Exposure controls/personal protection

Not a hazard in normal use. No personal protective equipment required.

Remove contaminated clothing promptly. Discard or launder before reuse. Wash hands thoroughly after handling this material.

### 9. Physical and chemical properties

**Appearance:** clear, colourless aqueous solution.

**Boiling Point:** > 100°C (water only).

**Vapour Pressure:** 17 mm of Hg @ 20C

**Specific Gravity:** 1.0

**Flashpoint:** Not flammable

**Flammability Limits:** Not flammable

**Solubility in Water:** Soluble in all proportions

**pH:** 4.0

**Corrosiveness:** non corrosive

### 10. Stability and reactivity

Stable under normal conditions.

### 11. Toxicological information

**Swallowed:** Discomfort from swallowing large amounts.

**Eye:** May cause irritation.

**Skin:** May cause irritation.

**Inhaled:** Not applicable

### 12. Ecological information

Will promote algae growth therefore prevent from entering rivers, canals and other waterways.

### 13. Disposal considerations

Observe local legislation.

### 14. Transport information

Classified as Non Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code 7.3) for Transport by Road and Rail

Not subject to ADR/IATA/IMDG codes.

### 15. Regulatory information

**Poisons schedule:** No Poisons Schedule number allocated

**Packaging:** No special packaging or labeling requirements.

### 16. Other information

#### Contact Points

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### DISCLAIMER

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification of further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. All information is as accurate and up to date as possible.