

## 1. Version History

<b>Version</b>	<b>Date</b>	<b>History</b>
1-27102016	26 <sup>th</sup> October 2016	Initial release
2-21082018	21 <sup>st</sup> February 2019	Review
3-03042024	3 <sup>rd</sup> April 2024	Review

## 2. Product and Company Identification

**Product Name** pH 4.0 Calibration Solution  
**Recommended Uses** Use only as directed on the label.  
**Company** **Bluelab Corporation Limited**  
**Street Address** 8 Whiore Avenue  
 Tauriko Business Estate  
 Tauranga 3110  
 New Zealand  
**Telephone** 0064 7 578 0849  
**Emergency Contact numbers** **National Poisons Centre**  
  
**Urgent**  
 0800 764 766 (0800 POISON)  
 Other countries 0064 3 764766  
  
**Non Urgent**  
 0064 3 479 7248  
  
**New Zealand Fire Service- 111**

## 3. Hazards Identification

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO HSNO CLASSIFICATIONS

NOT CLASSIFIED AS HAZARDOUS UNER GHS REGULATIONS

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE:

DANGEROUS GOODS 2005; NZS 5433:2007, UN, IMDG OR IATA

## 4. Composition/Information on Ingredients

<b>Chemical Name</b>	<b>CAS no.</b>	<b>Weight %</b>
No hazardous ingredients		

## 5. First Aid

**Inhalation** Remove to fresh air. If not breathing, give artificial respiration  
**Skin Contact** Flush skin with excess water for 15 minutes while removing contaminated clothing.  
**Eye contact** Flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.  
**Ingestion** Rinse mouth with water. Consult a physician  
**Treatment** Treat symptomatically.

## 6. Fire-fighting Measures

<b>Flammability</b>	Non-flammable.
<b>Extinguishing Media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Extinguishing Media to Avoid</b>	None
<b>Hazardous Combustion Products</b>	None
<b>Fire Fighting Procedures</b>	Wear self-contained breathing apparatus for firefighting if necessary.
<b>HAZCHEM</b>	None Allocated

## 7. Accidental Release Measures

<b>General Precautions</b>	Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Contain spill with sand or absorbent material and place in sealed bag or container for disposal. Ventilate and wash spill area after pickup is complete. See Section 13 for disposal information.
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## 8. Handling and Storage

<b>Handling</b>	Use with adequate ventilation and do not breathe dust or vapour. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.
<b>Storage</b>	Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## 9. Exposure Controls / Personal Protection

<b>Workplace Exposure Standards</b>	None Assigned
<b>Engineering controls</b>	Use in well ventilated areas.
<b>Personal Protection</b>	Have approved eyewash facility, safety shower, and fire extinguishers readily available. Personal Protective Equipment is not required under normal conditions of use. However use of chemical splash goggles and chemical resistant clothing such as gloves and aprons is recommended where products may splash. Wash hands thoroughly after handling material and before eating or drinking

## 10. Physical and Chemical Properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Red
<b>Odour</b>	None
<b>pH (5% Solution in Water)</b>	4.0
<b>Vapour pressure</b>	N/A
<b>Vapour density</b>	N/A
<b>Boiling Point</b>	100°C (Approximately)
<b>Melting/Freezing Point</b>	0°C (Approximately)
<b>Solubility (water)</b>	Soluble
<b>Specific Gravity/Density</b>	1.0 g/ml
<b>Flash Point</b>	N/A
<b>Flammable Limits</b>	N/A

<b>Auto-ignition</b>	N/A
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## 11. Stability and Reactivity

<b>Chemical Stability</b>	Stable under recommended conditions of storage
<b>Conditions to avoid</b>	No data available
<b>Materials to avoid</b>	Strong oxidizing agents
<b>Hazardous</b>	Carbon oxides, Potassium oxides.
<b>Decomposition</b>	
<b>Products</b>	

## 12. Toxicological Information

This product is not considered to be toxic.

No specific data on the product itself.

Information on components:

**Acute toxicity** LD50 Oral - Rat - > 3,200 mg/kg

**Skin corrosion/irritation** No data available

**Serious eye damage/eye irritation** No data available

**Respiratory or skin sensitisation** No data available

**Germ cell mutagenicity** No data available

**Carcinogenicity IARC:** No component of this product present is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity** No data available

**Specific target organ toxicity - single exposure** No data available

**Specific target organ toxicity - repeated exposure** No data available

**Aspiration hazard** No data available

**Potential health effects Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

**Signs and Symptoms of Exposure** Nausea, Vomiting,

## 13. Ecological Information

No data available for this specific product.

## 14. Disposal Considerations

**DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER.** All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations.

For unused and uncontaminated product, contact a licensed professional waste disposal service.

Dispose of empty containers as unused product.

Product or containers must not be disposed together with household garbage.

## 15. Transport Information

**NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO LAND TRANSPORT RULE: DANGEROUS GOODS 2005: NZS 5433:2007, UN, IMDG OR IATA**

### Road, Rail, Sea and Air Transport

<b>UN Number</b>	None Allocated
<b>Proper Shipping name</b>	None Allocated
<b>DG Class</b>	None Allocated
<b>Packing Group</b>	None Allocated
<b>HAZCHEM code</b>	None Allocated

<b>IMO/IMDG class</b>	None Allocated
<b>ICAO/IATA class</b>	None Allocated
<b>EMS code</b>	None Allocated
<b>Marine pollutant</b>	None Allocated

## 16. Regulatory Information

### New Zealand

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO HSNO CLASSIFICATIONS

**ERMA NZ Approval code** None Allocated

### Other Countries

NOT CLASSIFIED AS HAZARDOUS UNER GHS REGULATIONS

## 17. Other Information

SDS Date of preparation 26<sup>th</sup> October 2016

SDS Review 21<sup>st</sup> February 2019

SDS Review 3<sup>rd</sup> April 2024

*The information provided in this safety data sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed **only** as guide and is not to be considered a guarantee of safety. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in text.*