

Section 1 – Chemical Product and Company Identification

Product Name: Bluelab pH Probe KCl Storage Solution
Other Names: Bluelab pH Probe KCl Storage Solution 100ml bottle
Bluelab Product Code: STSOL100BL

Product Ingredients: Potassium Chloride, Saturated 3M
Chemical Family: Not applicable
Synonyms: Not applicable
Recommended Use: Laboratory chemicals

Manufacture details: Manufactured to US specifications and distributed under license for Bluelab Corporation Limited, 8 Whiore Avenue, Tauriko Industrial Park, Tauranga 3110, New Zealand.

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Section 2 – Hazard Identification

Emergency Overview: Non-flammable, non-corrosive, non-toxic. Does not present significant health hazards. Wash areas of contact with water.

Appearance: Clear, colorless liquid **Odor:** Odorless **Target Organs:** Eyes, skin

Potential Health Effects/ Routes of Exposure:

Eyes: May cause slight irritation.

Skin: May cause slight irritation.

Ingestion: Large doses may cause upset stomach.

Inhalation: Not likely to be a hazard.

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions: No information available

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Potassium Chloride, CAS# 7447-40-7, < 23% w/v

Water, purified, CAS# 7732-18-5, >77% w/v

Section 4 – First Aid

Eyes: Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

Skin: Flush with water for 15 minutes. Get medical assistance if irritation develops.

Ingestion: DO NOT induce vomiting. Dilute with water or milk. Get medical assistance.

Inhalation: Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not applicable **Autoignition Temperature:** No information available

Explosion Limits Upper: No data available **Lower:** No data available

Extinguishing Media: Use means suitable to extinguishing surrounding fire

Unsuitable Extinguishing Media: No information available

Section 5 – Fire Fighting Measures

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard. **Fire Fighting Instructions / Equipment:** Use normal procedures. Use protective clothing. Use NIOSH approved breathing equipment. **Hazardous Combustion Products:** No information available

Sensitivity to Mechanical Impact: No information available. **Sensitivity to Static Discharge:** No information available. **Specific Hazards Arising from the Chemical:** No information available

NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions: Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. **Environmental Precautions:** Not relevant considering the small amounts used. **Methods for Containment and Clean Up:** Absorb with suitable material. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling. Avoid contact with skin and eyes.

Storage: Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Potassium Chloride, CAS# 7447-40-7, ACGIH TLV: NA, OSHA PEL: NA

Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA

Engineering Measures/General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available. **Personal Protection Equipment:** *Skin Protection:* Chemical resistant gloves. *Eye/Face Protection:* Safety Glasses or goggles. *Respiratory Protection:* Normal ventilation is adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Clear, colorless liquid

Odor: Odorless

Boiling Point: Approx 100 °C

Melting Point: Approx 0 °C

Vapor Density: No information available

Evaporation Rate: No information available

pH: Not available

Flammability: No information available

Solubility: Infinite

Relative Density: No information available

% Volatility: No information available

Specific Gravity: Approx 1

Vapor Pressure: No information available

Flash Point: Not applicable

Coefficient of water/oil distribution: Not available

Odor Threshold: Not available

Decomposition Temperature: No information available

Partition Coefficient n-octanol/water: No data available

Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage

Incompatible Materials: Strong oxidizing agents, Lithium, Bromine, Trifluoride

Conditions to Avoid: No information available

Hazardous Decomposition Products: Oxides of Sodium and fumes of Chloride

Hazardous Polymerization: Does not occur

Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 oral-rat: 2600 mg/kg (Potassium Chloride) LC50 inhalation-rat: NA
Irritation: No information available
Toxicologically Synergistic: No Information available

Chronic Exposure

Carcinogenicity: No information available
Sensitization: No information available
Mutagenic Effects: No information available
Reproductive Effects: No information available
Developmental Effects (Immediate/Delayed): No information available
Teratogenicity: No information available
Other Adverse Effects: No information available
Endocrine Disruptor Information: No information available

Section 12 – Ecological Information

Ecotoxicity: Not available
Persistence and Degradability: No information available **Mobility:** No information available
Bioaccumulation/ Accumulation: No information available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Dilute with water.
All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.
Canada DSL: These chemicals are listed on Canada's DSL list.
TSCA: The components of this solution are listed on the TSCA Inventory
SARA Title III Section 313: Not Applicable
RCRA Status: Not Applicable
CERCLA Reportable Quantity: Not Applicable
WHMIS: Not Applicable.

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It is based on the current state of knowledge including information from suppliers. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his/her own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products' use. Always follow the health and safety procedures or guidelines in your region or country.