

MSDS

(POTASSIUM) PHOSPHATE BUFFER SOLUTIONS, 0.01 - 0.25 Molar, pH 5.8 - 7.7

## Material Safety Data Sheet

### Section 1: Chemical Product and Company Identification

<b>Catalog Number:</b> 5794, 5797, 5801, 5804, 5806, 5806.1, 5808.24, 5808.86, 5811, 5811.6, 5812, B017770, BW1765, P-201, R5796700	
<b>Product Identity:</b> (POTASSIUM) PHOSPHATE BUFFER SOLUTIONS, 0.01 - 0.25 Molar, pH 5.8 - 7.7	
<b>Manufacturer's Name:</b> RICCA CHEMICAL COMPANY LLC	<b>Emergency Contact(24 hr) -- CHEMTREC®</b> Domestic: 800-424-9300 International: 703-527-3887
<b>CAGE Code:</b> 0V553	
<b>Address:</b> 448 West Fork Dr Arlington, TX 76012	<b>Telephone Number For Information:</b> 817-461-5601
<b>Date Prepared:</b> 3/19/99	<b>Revision: 7</b>  Last Revised: 03/26/2007 Date Printed: 06/15/2007 4:47:23 pm

### Section 2. Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Sodium Hydroxide	1310-73-2	< 1	Not Available C 2 mg/m3	Not Available 2 mg/m3
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available
Potassium Phosphate, Monobasic	7778-77-0	0.1 - 3.4	Not Available Not Available	Not Available Not Available

### Section 3: Hazard Identification

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

**Target Organs:** eyes, skin.

**Eye Contact:** May cause slight irritation.

**Inhalation:** May cause allergic respiratory reaction to those allergic to phosphates.

**Skin Contact:** May cause slight irritation to those allergic to phosphates.

**Ingestion:** Large quantity may cause stomach upset.

**Chronic Effects/Carcinogenicity:** None

**IARC** - No.

**NTP** - No.

**OSHA** - No.

**Reproductive Information:** Not Applicable.

## MSDS

(POTASSIUM) PHOSPHATE BUFFER SOLUTIONS, 0.01 - 0.25 Molar, pH 5.8 - 7.7

**Teratology (Birth Defect) Information:** Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Sodium Hydroxide.

### Section 4: First Aid Measures - In all cases, seek qualified evaluation.

**Eye Contact:** Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.

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

**Skin Contact:** Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.

**Ingestion:** Dilute with water or milk. Call a physician if necessary.

### Section 5: Fire Fighting Measures

**Flash Point:** Not Available.

**LFL:** Not Available.

**Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.

**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.

**Fire Fighting Instructions:** Use normal procedures/instructions.

**Fire Fighting Equipment:** Use protective clothing and breathing equipment appropriate for the surrounding fire.

**Method Used:** Not Available.

**UFL:** Not Available.

### Section 6: Accidental Release Measures

Absorb with suitable material and dispose of in accordance with local regulations.

### Section 7: Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

**Safety Storage Code:** General

### Section 8: Exposure Control/Personal Protection

**Engineering Controls:** No specific controls are needed. Normal room ventilation is adequate.

**Respiratory Protection:** Normal room ventilation is adequate.

**Skin Protection:** Chemical resistant gloves.

**Eye Protection:** Safety glasses or goggles.

### Section 9: Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Odor:** Odorless

**Solubility in Water:** Infinite

**Specific Gravity:** Approximately 1

**pH:** 5.8 - 7.7

**Boiling Point(°C):** Approximately 100

**Melting Point(°C):** Approximately 0

**Vapor Pressure:** Not Applicable.

### Section 10: Stability and Reactivity

**Chemical Stability:** Stable under normal conditions of use and storage.

**Incompatibility:** None identified.

**Hazardous Decomposition Products:** None identified.

**Hazardous Polymerization:** Will not occur.

### Section 11. Toxicological Information

No information found in "Registry of Toxic Effects of Chemical Substances" or other information sources.

## MSDS

(POTASSIUM) PHOSPHATE BUFFER SOLUTIONS, 0.01 - 0.25 Molar, pH 5.8 - 7.7

### Section 12. Ecological Information

**Ecotoxicological Information:** No information found.

**Chemical Fate Information:** No information found.

### Section 13. Disposal Considerations

Dilute with water and flush to sewer if local regulations allow for the flushing of phosphate solutions. If not allowed, save for recovery or recycling in an approved waste disposal facility. Dispose of in accordance with local, state, and federal regulations.

### Section 14. Transport Information

Part Numbers:

This product is not regulated.

### Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

**OSHA Status:** The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

**TSCA Status:** All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

**Section 302 Extremely Hazardous Substances:** Not Applicable.

**Section 311/312 Hazardous Categories:** No

**Section 313 Toxic Chemicals:** Not Applicable.

**California:** None Reported.

**Pennsylvania:** Sodium Hydroxide is listed as an Environmental Hazard on the state's Hazardous Substances List.

**RCRA Status:** Not Applicable.

**CERCLA Reportable Quantity:** Sodium Hydroxide - 1,000 pounds.

**WHMIS:** Not Applicable.

### Section 16. Other Information

NFPA Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key: None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment: B (Protective Eyewear, Gloves)



## MSDS

(POTASSIUM) PHOSPHATE BUFFER SOLUTIONS, 0.01 - 0.25 Molar, pH 5.8 - 7.7

- Rev 1, 10-09-2001: Reformatted to electronic data format.
- Rev 2, 04-11-2002: (Section 1) revised title from pH 5.8 - 7.5, added catalog numbers 5806.1 and 5811.6; (Section 9) revised pH spec from 5.8 - 7.5.
- Rev 3, 07-30-2003: (Section 1) added Solutions Plus catalog number B017770.
- Rev 4, 02-08-2005: (Section 1) added catalog number 5794.
- Rev 5, 07-05-2006: (Section 1) added catalog number R5796700.
- Rev 6, 07-17-2006: (Section 1) added SpectroPure catalog number BW1765.
- Rev 7, 03-26-2007: (Section 1) added Red Bird catalog number P-201.
- Rev 7, 07-19-2006: (Section 1) revised title range from 0.05 - 0.25 Molar; (Section 2) revised concentration of Potassium Phosphate from 0.7 - 3.4%.

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.