

# **MATERIAL SAFETY DATA SHEET**

Pickering Laboratories, Inc • 1280 Space Park Way, Mountain View CA 94043 USA • 650 694 6700 • Fax 650 968 0749

**PRODUCTS:** Eluent for Ion-exchange Chromatography of Polyamines

**Cat. No.** K563 and K600

## **Section I – General**

FORMULA and CAS #:  $K_2HPO_4$  [7758-11-4]; Acetic acid [64-19-7]; 2-Propanol [67-63-0]

CHEMICAL NAME: Potassium phosphate buffer, pH 5.63 and pH 6.00

SYNONYMS: Not applicable

CHEMICAL FAMILY: Aqueous salt solution

## **Section II – Hazardous Ingredients**

1: Not hazardous; contains 1% (wt/v)  $K_2HPO_4$

## **Section III – Physical Data**

MELTING POINT: Not available

BOILING POINT: 100°C (approximately)

VAPOR PRESSURE: < 17 mm Hg @ 20°C

% VOLATILITY BY VOLUME: 99%

APPEARANCE: Clear, odorless solution

SOLUBILITY: Aqueous solution

## **Section IV – Toxicity Data**

RTECS #: Not available

RTECS NAME: Not available

REVIEWS: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data are presented here. Refer to actual entry in RTECS for complete information.

## **Section V – Health Hazards and First Aid**

ACUTE EFFECTS: May cause minor skin irritation.

CHRONIC EFFECTS: Not established

EYE CONTACT: Flush with plenty of water for at least 15 minutes; assure adequate flushing by separating eyelids with fingers. Get medical attention.

SKIN CONTACT: Wash with soap and water.

INHALATION: Not applicable

INGESTION: Rinse mouth with water insuring rinse is not swallowed. Drink 2 glasses of water to dilute and induce vomiting by touching finger to back of victim's throat. Get medical attention.

## **Section VI – Fire and Explosion Hazards**

FLASHPOINT: Not flammable  
EXTINGUISHING MEDIA: Water spray  
FIREFIGHTING PROCEDURE: Not applicable  
UNUSUAL HAZARDS: None  
EXPLOSIVE PROPERTIES: Not explosive

## **Section VII – Reactivity**

GENERAL: Stable  
INCOMPATIBILITIES: Primary and secondary amines will cause non-hazardous contamination of this solution.  
HAZARDOUS COMBUSTION OR  
DECOMPOSITION PRODUCTS: Will not occur.

## **Section VIII – Spill or Leak Procedures**

SPILL PROCEDURE: Wear eye protection and rubber / latex / vinyl gloves. Soak up spill with rags, paper towels, sponge; rinse away or discard. Clean spill-area thoroughly with soap and water.  
WASTE DISPOSAL: This solution may be sent to an EPA-approved waste disposal facility. Comply with all federal, state, and local regulations.

## **Section IX – Precautions for Handling and Storage**

SAFETY EQUIPMENT: Chemical safety goggles, laboratory coat, rubber / latex / vinyl gloves, safety-shower with eye-wash.  
HANDLING PROCEDURES: Avoid eye and skin contact. Do not ingest. Wear safety glasses and gloves.  
STORAGE PROCEDURES: Store at room temperature.

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