

**MSDS****Material Safety Data Sheet**

24 HOUR EMERGENCY  
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## Phosphate Buffer, pH 6.4

### Section I: IDENTIFICATION

**Product Name: Phosphate Buffer, pH 6.4**

*Azer Scientific Catalog Number(s):* ES955-16, ES955-32

For Wright's Stain Applications

### Section II: INGREDIENTS

<i>Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	<b>NFPA</b>
Potassium Phosphate <1%	7778-77-0	NA	Health 1
Sodium Phosphate <1%	10049-21-0	NA	Flammability 0
Inhibitor Trace	99-76-3		Reactivity 0
Surfactant Trace			

### Section III: PHYSICAL DATA

<i>Boiling Point:</i>	100°F	<i>Specific Gravity (H<sub>2</sub>O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20 °C:</i>	NE	<i>Percent Volatile by Vol:</i>	NA
<i>Vapor Density (Air 1:1):</i>	NE	<i>Evaporation Rate (ether = 1):</i>	>1
<i>Solubility in H<sub>2</sub>O:</i>	Complete	<i>Appearance &amp; Odor:</i>	Clear liquid, odorless

### Section IV: FIRE/EXPLOSION HAZARD

*Flash Point:* Non-Flammable      *Flammable Limits:* LEL: NA      UEL: NA

*Extinguishing Media:* Water Spray, dry chemical, CO<sub>2</sub> and foam

*Special Fire Fighting Procedures:* Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream.

*Unusual Fire & Explosion Hazards:* May give-off toxic fumes under fire conditions.

### Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* None known

*Hazardous Decomposition or Byproducts:* Oxides of carbon, nitrogen

*Hazardous Polymerization:* Does not occur

*Conditions to Avoid:* Normal Laboratory Care

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## **Section VI: HEALTH HAZARDS**

*Routes of Entry:* Inhalation, Skin and Ingestion

*Acute/Chronic:* Product is not expected to cause health hazards when utilizing good laboratory practices and the concentration present in the product. Eye and skin irritant. Poisonous if swallowed.

*Carcinogenicity:* Not classified as a human carcinogen.

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

### **\*\*\*\*\* Emergency First Aid\*\*\*\*\***

**Skin:** Remove contaminated clothing and change. Wash affected skin area with soap and water.

**Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persists.

**Ingestion:** Rinse mouth thoroughly with water, provided person is conscious and contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact physician.

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## **Section VII: SAFE HANDLING**

*Chemical Release or Spill:* Isolate the spill area with sand, or other absorbent material. Place all contaminated material in closed container for disposal.

*Waste Disposal Method:* All liquid and or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

*Precautions for Handling and Storing:* Normal Laboratory Care

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## **Section VIII: CONTROL MEASURES**

*Respiratory Protection:* Not normally required.

*Ventilation:* Mechanical exhaust is sufficient

*Protective Gloves:* Chemical resistant

*Eye Protection:* Safety glasses

*Other Protective Clothing or Equipment:* Normal laboratory apparel as suggested by Good Laboratory Practices

*Work/Hygienic Practices:* Wash thoroughly with soap and water after handling.

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