

M S D S***Material Safety Data Sheet***

24 HOUR EMERGENCY
TELEPHONE NUMBER
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1-800-424-9300

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Phosphate Buffer, pH 6.8

Section I: IDENTIFICATION

Product Name: **Phosphate Buffer, pH 6.8**

Azer Scientific Catalog Number(s): ES954-16, ES954-32

For Wright-Giemsa Stain Applications

Section II: INGREDIENTS

| <i>Component(s):</i> | <i>CAS Number</i> | <i>OHSA PEL, ACGIH TLV/STEL</i> | <u>NFPA</u> |
|-------------------------|-------------------|---------------------------------|--------------------|
| Potassium Phosphate <1% | 7778-77-0 | NA | Health 1 |
| Sodium Phosphate <1% | 10049-21-0 | NA | Flammability 0 |
| Methyl Paraben <0.1% | 99-76-3 | | Reactivity 0 |
| Surfactant Trace | | | |

Section III: PHYSICAL DATA

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| <i>Boiling Point:</i> 100°F | <i>Specific Gravity (H₂O = 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 H₂O:</i> Complete | <i>Appearance & 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, CO₂ 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

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.

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

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 suggested by Good Laboratory Practices

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

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