

MATERIAL SAFETY DATA SHEET

1 OF 2

Section I: IDENTIFICATION

Product Name: Phosphate Buffer, pH 6.4
For Wright's Stain Applications

Date Prepared: 01/01
Item Number(s): 5541, 5543, 5544
Emergency Phone: 800-424-9300

Section II: INGREDIENTS

<i>Component(s):</i>	<i>CAS Number</i>	<i>OHSA PEL, ACGIH TLV/STEL</i>	NFPA	
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

Boiling Point: 100°F *Specific Gravity (H₂O = 1):* ~1
Vapor Pressure mm Hg/20 °C: NE *Percent Volatile by Vol:* NA
Vapor Density (Air 1:1): NE *Evaporation Rate (ether = 1):* >1
Solubility in H₂O: Complete *Appearance & Odor:* 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.

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Section VI: HEALTH HAZARDS

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 persist.

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 as suggested by Good Laboratory Practices

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

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Astraldiagnosics shall not be held liable for any damage resulting from handling or contact with this product.
