

# MATERIAL SAFETY DATA SHEET

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## Section I: IDENTIFICATION

*Product Name:* **Phosphate Buffer, pH 7.2**  
Non-Inhibited, Chloride Free

*Date Prepared:* 01/23/07  
*Item Number(s):* 400199, 400202  
*Emergency Phone, Infotrac:* 800-535-5053

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## 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
			Reactivity	0

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## Section III: PHYSICAL DATA

*Boiling Point:* 100°C      *Specific Gravity (H<sub>2</sub>O = 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 H<sub>2</sub>O:* Complete      *Appearance & Odor:* Clear liquid, odorless

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## 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:* None known.

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## Section V: REACTIVITY

*Stability:* Stable      *Material to Avoid:* None known  
*Hazardous Decomposition or Byproducts:* Phosphates  
*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 with the concentration present in the product. Possible eye and skin irritant. May be poisonous.  
*Carcinogenicity:* Not classified as a human carcinogen.  
*Signs/Symptoms of Exposure:* Possible 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.

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

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