


**Manufacturer And Product Information**

Diamond Diagnostics Quality Assurance / Regulatory Affairs 333 Fiske St. Holliston, MA. 01746 USA		<b>Emergency Telephone Number: 508-429-0450</b>
Product: Alkaline Buffer Cat. No: BK-664180AD Chemical Family: Alkaline Solutions Prepared: 07/10/08		 Personal Protective Equipment

**Composition / Hazardous Ingredients**

Chemical Constituents:	Approximate % by weight:	CAS#
Sodium Hydroxide	<5%	1310-73-2
Trisodium Phosphate, Dodecahydrate	<3%	7664-38-2
Ethylene Glycol	<5%	107-21-1

**Physical Data**

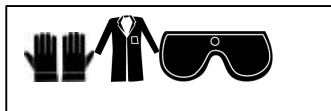
Boiling Point: Approx. N/A	Melting Point: N/A	Specific Gravity: Approx. 1
Vapor Pressure: N/A	% Volatility: N/A	Appearance – Odor: Clear, colorless, and odorless
Evaporation Rate: N/A	Solubility In Water: Miscible	

**Fire And Explosion Data**

Flash Point: Method: N/A	Flammable Limits: N/A
Extinguishing Media: Suitable for surrounding fire	
Special Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing	
Explosion Potential: Unknown	

**Precautions For Safe Handling And Use**

Handling Precautions:	Avoid inhaling, ingesting, and contact with eyes and skin.
In Case of Spill:	Absorb spills with inert material or flush into drain with copious amounts of water. Wash site of spill with soapy water.
Disposal Method:	In accordance with applicable Federal, state, and local laws and regulations.
Protective Controls Suggested:	Protective clothing, gloves and safety goggles recommended. Avoid contact and inhalation. Do not get into eyes, on skin or clothing. Do not pipet by mouth. Wash contaminated clothing before use.



**Health And Hazard Data**

Principal Health Effects: Products with dilute alkalines may cause irritation or skin injury with redness, fissures and white patches. Eye contact may result in severe burns, irritation, watery eyes, pain with possible blindness. Inhalation may result in respiratory tract irritation or burns to mucous membranes causing coughing, choking and difficulty in breathing. Ingestion may cause gastrointestinal irritation with burns to mouth, throat and stomach resulting in abdominal pain, nausea, vomiting, diarrhea, shock and loss of consciousness. Prolonged or repeated exposure to dilute alkaline by skin contact may cause dermatitis. Eye contact may cause conjunctivitis. Normal use and good laboratory procedures are recommended when handling products containing dilute acids.

Exposure limit: Oral rat for Trisodium Phosphate, Dodecahydrate – 7400 mg/Kg

Signs-Symptoms of Overexposure: Symptoms may include: coughing, headache, fatigue, nausea, vomiting, Dizziness, blurred vision, watery eyes, abdominal pain and unconsciousness.

**Emergency And First Aid Procedures**

Ingestion: If ingested, wash mouth out with water. If irritation or discomfort occurs, seek medical attention.

Skin Contact: Wash affected area with large amounts of soap and water. If irritation persists, contact a physician.

Eye Contact: Flush eyes with large amounts of water for at least 15 minutes. Seek medical attention.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Reactivity Data**

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong acids, Strong oxidizing agents.

Hazardous Decomposition Products: None

Hazardous Polymerization: Will not occur.

Conditions to avoid – Suggested Storage: Keep away from incompatible material.

**Other Information**

The information contained herein is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Diamond Diagnostics shall not be held liable for any changes resulting from handling or contact with the above product. See reverse side of invoice or packaging slip for additional terms and conditions of sale.

N/G = Not Given  
N/A = Not Applicable or Not Available