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**MATERIAL SAFETY DATA SHEET**  
MFG: Ken Starr Inc.  
pH 6, 6.86 & 7 Buffer Solutions

**SECTION I IDENTIFICATION**

Chemical Name: Phosphate Buffer Solution  
Chemical Family: Inorganic Salts  
DOT Hazard: None

**SECTION II HAZARDOUS COMPONENTS**

Chemical Component	%	CAS. No.	Nature of Hazard
Sodium Phosphate	0.5	7558-79-4	N/A
Potassium Phosphate	0.5	7778-77-0	N/A
Sodium Azide	0.0002	26628-22-8	N/A
Water	99	7732-18-5	N/A

**SECTION III PHYSICAL DATA**

These buffer solutions have the same physical characteristics as water which consists of 99% of the product.

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

There is no fire or explosion hazard. NFPA Codes: Health 0 Flammability 0 Reactivity 0  
No toxic gases are produced.  
Any available fire extinguishing media may be used.

**SECTION V HEALTH HAZARD DATA**

Threshold limit value not established. Effects of exposure: May irritate eyes, skin and respiratory tract. Chronic skin exposure may cause dermatitis. High exposure to eyes may cause conjunctivitis. If swallowed, may cause nausea, vomiting or diarrhea. Precautionary Steps: Use protective gloves and eye protection. Avoid contact with eyes and skin. Emergency and First Aid Procedures: If eye contact, flush with water for at least 15 minutes. Get medical help if irritation persists or eyes are red. If skin contact, wash with soap and water. Get medical attention if rash persists. If swallowed, drink lots of water and induce vomiting. Get medical help.

**SECTION VI REACTIVITY DATA**

These buffer solutions are stable, do not polymerize and there are no conditions to avoid.

**SECTION VII SPILL AND DISPOSAL PROCEDURES**

In case of spill, flush with water. Dispose in accordance with all applicable federal, state and local environmental regulations.

**SECTION VIII SAFE HANDLING AND USE**

No special ventilation or respiratory protection is required. Protective gloves are recommended for persons with sensitive skin and eye protection is desirable.

**SECTION IX SPECIAL PRECAUTIONS**

**TOXICOLOGICAL PROPERTIES NOT KNOWN.**  
Minimize inhalation and skin and eye contact.

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