



SENTEK LIMITED  
 Unit 6-7 Crittall Court  
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 Tel: (01376) 340456 Fax: (01376) 340453  
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## SAFETY DATA SHEET

PRODUCT: pH 7 Buffer

PART NUMBER 790-17

### SECTION I — GENERAL

Chemical Name & Synonym	None
Trade Name & Synonyms	Ph 7 buffer salt
Chemical Family	Salt Capsule
Formula	See Below

### SECTION II — INGREDIENTS

Potassium Phosphate Monobasic  
 Sodium Phosphate Dibasic

### SECTION III — PHYSICAL AND CHEMICAL DATA

Boiling Point (Deg. C)	100
Vapor Pressure (mmHg) @ 20°C	NDA
Vapor Density (Air = 1)	NDA
Specific Gravity (H <sub>2</sub> O = 1)	~1
% Volatile by Volume	Not Volatile
Evaporation Rate (H <sub>2</sub> O = 1)	NDA
Solubility in Water	Miscible
Appearance	White Crystals/Granules



ISO 9002  
 Certificate No. FM 36099

Registered Office: Unit 6-7 Crittall Court, Crittall Drive, Springwood Industrial Estate,  
 Braintree, Essex CM7 2SE

Registered in England No. 2753857

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## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flammable Limits (%)	Not Applicable
-LEL	Not Applicable
-UEL	Not Applicable
Flash Point (Method Used)	Not Flammable
Extinguishing Media	Not Applicable
Special Fire-Fighting Procedures	Do not release run off from fire sites to sewers or waterways.
Unusual Fire & Explosion Hazards	May release fumes of phosphorous oxide if involved in fire.

## SECTION V — HEALTH HAZARD DATA

Route Of Entry	Primary route of entry is ingestion / Inhalation.
Carcinogenic Assessment	Not Applicable
Threshold Limit Value	Not Assigned
Effects Of Overexposure	Slight Irritation to respiratory system. Burns to digestive tract.
Emergency & First Aid Procedures	Remove to fresh air give oxygen if breathing is difficult
Inhalation	Flush thoroughly with water for 15 mins.
Eye Contact	Wash with soap and water.
Skin Contact	Drink lots of water, do not induce vomiting
Ingestion	Call a physician.

## SECTION VI — REACTIVITY DATA

Stability	Stable
Incompatibility (MATERIALS TO AVOID)	Chlorine, Hypochlorous acid, Hypochlorites, Cyanides or Sulphides.
Hazardous Polymerization	None Will Not Occur

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## SECTION VII — SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case  
Material Is Released Or Spilled

Sweep up powder and dispose of as below. Flood  
affected area and wipe down with water.

Waste Disposal Method

Dilute material with water making a weaker than  
5% solution. Adjust to a pH of between 6 and 9  
with an alkali such as Soda Ash or Sodium Bicarbonate  
Open cold water tap completely, slowly pour the  
reacted material to the drain. Allow cold water to  
run for 5 minutes to completely flush the system.

## SECTION VIII — SPECIAL PROTECTION INFORMATION

Respiratory Protection  
Ventilation  
Protective Gloves  
Eye Protection  
Other Protective Equipment

Not Required  
No Special Requirement  
Rubber, Plastic  
Safety Glasses Suggested  
None

## SECTION IX — SPECIAL PRECAUTIONS

Precautions To Be Taken  
In Handling And Storing  
Other Precautions  
Date Of Last Revision

No Special Requirement  
  
None  
25/10/2002