

SENTEK

SENTEK LIMITED
 Unit 6-7 Crittall Court
 Crittall Drive
 Springwood Industrial Estate
 Braintree
 Essex CM7 2SE
 England
 Tel: (01376) 340456 Fax: (01376) 340453
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SAFETY DATA SHEET

PRODUCT: pH 4 Buffer

PART NUMBER 790-13

SECTION I — GENERAL

Chemical Name & Synonym	None
Trade Name & Synonyms	Ph 4 buffer salt
Chemical Family	Salt Capsule
Formula	See Below

SECTION II — INGREDIENTS

Potassium Biphthalate

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 ₂ O = 1)	~1
% Volatile by Volume	Not Volatile
Evaporation Rate (H ₂ 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	
Inhalation	Remove to fresh air give oxygen if breathing is difficult
Eye Contact	Flush thoroughly with water for 15 mins.
Skin Contact	Wash with soap and water.
Ingestion	Drink lots of water, do not induce vomiting 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