

MATERIAL SAFETY DATA SHEET

Part # B001010

Section I: General Information

Product Name: pH 10 Buffer
Manufacturer's Name: Van London pHoenix Company
Distributed By: Van London pHoenix Company
Address: 6103 Glenmont Dr. Houston, Texas 77081
Phone: 713/772-6641 Fax: 713/772-4671

Chemical Name: Sodium bicarbonate/ Sodium carbonate/ Phenylmercuric Acetate/ FD & C Blue #1 in Water
Chemical Family: Salt solution
DOT Shipping Info: N/A
IATA Shipping Info: N/A

Section II: Ingredients

CAS No.	%	Chemical Name	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
144-55-8	0.029%	Sodium bicarbonate	4220	None
497-19-8	0.264%	Sodium carbonate	IPR-Mus 117	None
62-38-4	0.0005%	Phenylmercuric acetate	22mg/kg	0.1 mg/m ³
384445-9	0.0005%	FD & C #1	---	None
7732-18-5	99.526%	Water	---	None

Section III: Physical Data

Boiling Point: 100°C
Specific Gravity: 1.0
Vapor Pressure: N/A
Freezing Point: 0°C
Vapor Density: N/A
pH: 10.01
Water Solubility: Soluble
Appearance & Odor: Light blue, odorless liquid

Section IV: Fire & Explosion Hazard Data

Flashpoint: Not Flammable
Auto ignition Temperature: N/A
Extinguishing Media: Any
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosion Hazards: N/A

Section V: Health Hazard Data

Effects of Overexposure:	Irritation of skin.
Emergency & First Aid:	Wash off contact area with water.
Eyes & Skin:	Wash off with water.
Ingestion/Inhalation:	Give large amounts of water. Consult physician.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	NaK alloy, $\text{NH}_4\text{H}_2\text{PO}_4$, Al, P_2O_5 , H_2SO_4
Hazardous Decomposition Products:	CO_2 , CO and mercury vapor upon heating to decomposition.
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Clean up and set aside for disposal.
Waste Disposal Method:	Consult federal, state, and local laws for proper disposal.

Section VIII: Special Protection Information

Respiratory Protection:	N/A
Ventilation:	N/A
Protective Gloves:	Any
Eye Protection:	Safety goggles
Other Protective Equipment:	N/A

Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Suitable for any general handling and storage. $\text{C}_8\text{H}_8\text{H}_8\text{O}_2$ is regulated under sections 302 and 304 of SARA Title III, RCRA No. P092.
Other Precautions:	Hazard ratings (0-3): Health-1, Flammability-0, Reactivity-0, Persistence-0.

Issue Date: May 1, 2007

Name: Peter F. Boyle, Quality Control Manager

Signature:

A handwritten signature in black ink that reads "Peter Boyle". The signature is written in a cursive style with a large, looping initial 'P' and a long, sweeping underline.