

MATERIAL SAFETY DATA SHEET

Part # B001004

Section I: General Information

Product Name: pH 4.01 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: Potassium hydrogen phthalate/Amaranth Red Dye 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
877-21-7	1.01%	Potassium hydrogen phthalate	None	None
915-67-3	0.0005%	Amaranth Red Dye	None	None
7732-18-5	98.99%	Water	None	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: 4.01
Water Solubility: Soluble
Appearance & Odor: Light red, 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:	HNO ₃
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Wash down drain with excess water.
Waste Disposal Method:	Wash down drain with excess water.

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. This product is not regulated under SARA Title III.
Other Precautions:	Hazard rating (0-3): Health-1, Flammability-0, Reactivity-1, Persistence-0.

Issue Date: May 1, 2007

Name: Peter F. Boyle, Quality Control Manager

Signature:

A handwritten signature in cursive script that reads "Peter Boyle". The signature is written in black ink and is positioned below the printed name.