

# MATERIAL SAFETY DATA SHEET

## Part # CO2CALB

### Section I: General Information

Product Name: Carbon Dioxide Calibration Solution B  
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 dihydrogen phosphate / Sodium hydroxide 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
7778-77-0	0.0133%	Potassium dihydrogen phosphate		None
1310-73-2	0.0206%	Sodium hydroxide	500 mg/kg	2 mg/m <sup>3</sup>
7732-18-5	99.9661%	Water	---	None

### Section III: Physical Data

Boiling Point: 100°C  
Specific Gravity: 1.02  
Vapor Pressure: N/A  
Freezing Point: 0°C  
Vapor Density: N/A  
pH: 7.88  
Water Solubility: Soluble  
Appearance & Odor: Colorless, 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 with water.
Ingestion/Inhalation:	If ingested, give large amounts of water. Consult physician.

## Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	Mg <sup>+</sup> and Na <sup>+</sup> metals.
Hazardous Decomposition Products:	When heated, phosphates can emit highly toxic fumes, but for the amount of phosphates present in this solution, it can be considered non hazardous.
Hazardous Polymerization:	Will not occur.

## Section VII: Spill or Leak Procedures

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

## Section VIII: Special Protection Information

Respiratory Protection:	N/A
Ventilation:	N/A
Protective Gloves:	Any type
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. SARA Title III: releases of Na <sub>2</sub> HPO <sub>4</sub> are subject to reporting under Section 304 of CERCLA.
Other Precautions:	CERCLA Rating (0-3): Health-0, Fire-0, Reactivity-0, 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.