

# MATERIAL SAFETY DATA SHEET

## Part # CALAS01

### Section I: General Information

Product Name: 0.1M Calcium Standard  
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: Calcium chloride 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
10043-52-4	1.1%	Calcium chloride	1,000	None
7732-18-5	98.9%	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: 5.5 - 7.5  
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:	Low hazard for all routes of entry due to low concentration of salt.
Emergency & First Aid:	Flush with water. Internal: Consult physician.
Eyes & Skin:	Possible irritation of skin for repeated exposure. May cause burning and irritation in an open cut. Flush with water.
Ingestion/Inhalation:	Consult physician.

## Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	None
Hazardous Decomposition Products:	None
Hazardous Polymerization:	Will not occur.

## Section VII: Spill or Leak Procedures

Steps to be Taken:	Clean up and wash down drain with water.
Waste Disposal Method:	Wash down drain with water. Observe all federal, state, and local laws.

## Section VIII: Special Protection Information

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

## Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Store at room temperature and keep tightly sealed to protect product integrity. This product is not regulated under SARA Title III.
Other Precautions:	NFPA rating (0-4): Health-0, Fire-0, Reactivity-0, Specific-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 tail on the 'y'.