

MATERIAL SAFETY DATA SHEET

Part # NH3AS02

Section I: General Information

Product Name: 1000 ppm NH₃ as N 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: Ammonium 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
12125-02-9	0.38%	Ammonium chloride	1,650	10 mg/m ³
7732-18-5	99.62%	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 – 8
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:	Ingestion of large doses may cause nausea, vomiting, acidosis. Because of low concentration of salt (less than 1%), this product is a low chronic or acute health risk.
Emergency & First Aid:	Wash off affected area with water.
Eyes & Skin:	Flush with water.
Ingestion/Inhalation:	Causes stomach ailments if ingested. Consult physician.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	Oxidizers, hypochlorite bleaches
Hazardous Decomposition Products:	Ammonia gas when made basic
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Dilute and wipe up spill area with water.
Waste Disposal Method:	Dilute with water and wash down drain. 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:	Suitable for any general storage. Keep closure sealed to protect product integrity.
Other Precautions:	None

Issue Date: May 4, 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.