

MATERIAL SAFETY DATA SHEET

Part # CO2AS02

Section I: General Information

Product Name: 1000 ppm Carbon Dioxide 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: Sodium bicarbonate 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	0.08%	Sodium bicarbonate	4,220	None
7732-18-5	99.92%	Water	---	None

Section III: Physical Data

Boiling Point: 100°C
Specific Gravity: 1.0
Vapor Pressure: N/A
Freezing Point: -1°C
Vapor Density: N/A
pH: 8 – 8.5
Water Solubility: Soluble
Appearance & Odor: Colorless, odorless liquid

Section IV: Fire & Explosion Hazard Data

Flashpoint: Not Flammable
Auto ignition Temperature: N/A
Extinguishing Media: Water, CO₂, dry chemical
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosion Hazards: N/A

Section V: Health Hazard Data

Effects of Overexposure:	Red irritated skin. Aggravates diseases of the skin, conjunctivitis.
Emergency & First Aid:	Wash off contact area with soap and large amounts of water for at least 15 minutes. Consult physician.
Eyes & Skin:	May cause irritation and redness on contact. Consult physician.
Ingestion/Inhalation:	If ingested, consult physician.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None
Incompatibility:	Boron trifluoride.
Hazardous Decomposition Products:	CO ₂ will be given off if heated to decomposition.
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Clean up and set aside for waste disposal.
Waste Disposal Method:	Dispose of in accordance with federal, state, and local laws.

Section VIII: Special Protection Information

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

Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Does not appear on SARA Title III listings.
Other Precautions:	NFPA Rating (0-4): Health-1, Fire-0, Reactivity-0, Specific-none. CERCLA Rating (0-3): Health-1, Fire-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.