



MATERIAL SAFETY DATA SHEET
Part # F00AS02, Cole-Parmer #27503-13, 35803-13

Section I: General Information

Product Name: 1000 ppm Fluoride Standard
Manufacturer's Name: Van London pHoenix Company
Distributed By: Cole-Parmer Instrument Co.
Address: 625 East Bunker Court, Vernon Hills, IL 60061-1844
Phone: 847-327-2000 Fax: 847-327-2700

Chemical Name: Sodium fluoride 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
7681-49-4	0.2%	Sodium fluoride	75	None
7732-18-5	99.8%	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:	Because of low concentration of salt (less than 1%), this product does not pose a serious acute or chronic hazard via skin or inhalation routes. Ingestion: In large doses (25-50 mg) may cause nausea, vomiting, diarrhea and CNS manifestation.
Emergency & First Aid:	Flush with water.
Eyes & Skin:	Wash off with large amounts of water.
Ingestion/Inhalation:	Consult physician.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	None.
Incompatibility:	None.
Hazardous Decomposition Products:	Toxic fumes if heated to decomposition.
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Cover with soda ash, and neutralize with 6M HCl. Wash down drain with excess water.
Waste Disposal Method:	See above.

Section VIII: Special Protection Information

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

Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Suitable for all general storage.
Other Precautions:	Keep closure well sealed to protect product integrity.

Issue Date: March 23, 2010

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 "Signature:" label.