

MATERIAL SAFETY DATA SHEET

Part # BF4AS01

Section I: General Information

Product Name: 0.1M Fluoroborate 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 tetrafluoroborate in water
Chemical Family: Salt solution
DOT Shipping Info: Testing by Bureau of Explosive has indicated that this product is not an oxidizer.
IATA Shipping Info: Testing by Bureau of Explosive has indicated that this product is not an oxidizer.

Section II: Ingredients

CAS No.	%	Chemical Name	LD50 (mg/kg) oral-rat	OSHA/PEL ACGIH TLV
13755-29-8	1.1%	Sodium tetrafluoroborate	900	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 - 8.5
Water Solubility: Soluble
Appearance & Odor: Colorless, odorless liquid

Section IV: Fire & Explosion Hazard Data

Flashpoint: N/A
Auto ignition Temperature: N/A
Extinguishing Media: Any
Special Fire Fighting Procedures: N/A
Unusual Fire & Explosion Hazards: Tetrafluoroborate may render other materials more combustible if allowed to dry out upon them.

Section V: Health Hazard Data

Effects of Overexposure:	Dizziness, nausea, weakness if taken in large oral doses. Irritating to respiratory system and skin.
Emergency & First Aid:	Wash off contact area with water.
Eyes & Skin:	Wash off with water. Rinse eyes immediately with plenty of water.
Ingestion/Inhalation:	Induce vomiting in conscious patient. Consult physician.

Section VI: Reactivity Data

Stable:	Yes
Conditions to Avoid:	Storing near incompatible materials.
Incompatibility:	Reducing agents, sulfur, charcoal, trichloroethylene.
Hazardous Decomposition Products:	Oxides of boron upon heating to decomposition.
Hazardous Polymerization:	Will not occur.

Section VII: Spill or Leak Procedures

Steps to be Taken:	Dilute with water and vacuum up area.
Waste Disposal Method:	Consult federal, state, and local laws for proper disposal.

Section VIII: Special Protection Information

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

Section IX: Special Precautions

Precautions to be taken in Handling & Storage:	Store at room temperature and keep tightly sealed to protect product integrity.
Other Precautions:	No food in work area, always wash hands and protective clothing after using these products.

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.