



SAFETY DATA SHEET

1. Product and Company Identification

Product Name	Sodium fluoride solution, 1,000 ppm & 10,000 ppm F-
Product Number	F00AS02, F00AS04
Product Use	Calibration Solution
Manufacturer	Van London pHoenix Company
Address	10540 Rockley Road, Houston, Texas 77099
Telephone	832-456-6641
Emergency Phone	832-456-6641

2. Hazards Identification

Emergency Overview

OSHA Hazards

No known OSHA hazards

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

HMIS Classification

Health Hazard: 0

Flammability: 0

Physical Hazards: 0

NFPA Rating

Health Hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

Component	CAS Number	Weight %
Sodium fluoride	7681-49-4	< 2.3
Water	7732-18-5	> 97.7

4. First Aid Measures

Eye	Flush eyes with water as a precaution.
Skin	Wash off with soap and plenty of water.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.

5. Fire Fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
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Hazardous combustion products None

Special protective equipment for firefighters Wear self contained breathing apparatus for fire fighting if necessary.

6. Accidental Release Measures

Personal precautions

Avoid breathing vapors, mist or gas.

Environmental precautions

No special environmental precautions required.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

7. Handling and Storage

Handling Do not get in eyes, on skin, or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Remove contaminated clothing and clean before reuse.

Storage Keep container tightly closed and upright in a dry and well-ventilated place. Store at ambient or lower temperature. Protect against physical damage.

8. Exposure Controls and Personal Protection

Exposure Limits Contains no substances with occupational exposure limit values

Engineering Controls Provide mechanical ventilation when using product in confined spaces.

Personal Protective Equipment **Respiratory Protection** Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye Protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin and body protection Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures General industrial hygiene practice.

9. Physical and Chemical Properties

Appearance Colourless

Odour Odourless

Odour Threshold No data available

pH 5.5 - 7.5

Freezing Point	0 °C
Boiling Point	100°C (212 °F) at 1,000 hPa (750 mm Hg)
Flash Point	No data available
Evaporation rate	No data available
Flammability	No data available
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapour pressure	No data available
Solubility	Soluble in water
Vapor density	No data available
Relative density	No data available
Partition coefficient: n-octanol/water	No data available
Auto-Ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Density	1.005 g/cm ³

10. Stability and Reactivity

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous reactions	No data available
Conditions to avoid	No data available
Materials to avoid	Strong acids
Hazardous decomposition products	Hazardous decomposition products formed under fire conditions - Nature of decomposition products not known.

11. Toxicological Information

Signs and Symptoms of Overexposure	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Acute Effects	
Eye Contact	No data available
Skin Contact	No data available
Inhalation	No data available
Ingestion	No data available
Germ Cell Mutagenicity	No data available
Medical Conditions	No data available
Aggravated by Exposure	
Acute Toxicity Values	
Oral LD50	No data available
Inhalation LC50	No data available
Dermal LD50	No data available
Carcinogenicity	
IARC	3-Group 3: Not classifiable as to its carcinogenicity to humans (Sodium fluoride)
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive Toxicity	No data available
Teratogenicity	No data available

**Specific target organ toxicity - No data available
single exposure**

**Specific target organ toxicity - No data available
repeated exposure**

Aspiration Hazard		No data available
Potential Health Effects	Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
	Ingestion	May be harmful if swallowed.
	Skin	May be harmful if absorbed through skin. May cause skin irritation.
	Eyes	May cause eye irritation.

12. Ecological Information

Toxicity	No data available
Persistence & degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. Disposal Considerations

Disposal method	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated packaging	Dispose of as unused product.

14. Transport Information

DOT (US)	Not dangerous goods.
IMDG	Not dangerous goods.
IATA	Not dangerous goods.

15. Regulatory Information

OSHA Hazards	No known OSHA Hazards.
SARA 302 Components	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards	No SARA Hazards.
Massachusetts Right To Know Components	No components are subject to the Massachusetts Right To Know Act.
Pennsylvania Right To Know Components	

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium fluoride	7681-49-4	2007-03-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
Water	7732-18-5	
Sodium fluoride	7681-49-4	2007-03-01

California Prop. 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.
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16. Other Information

Issuing Date	12-16-2015
Revision No.	1.1

Disclaimer

The information contained herein is accurate to the best of our knowledge, but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Van London pHOenix Company makes no warranty of any kind, expressed, or implied, concerning the safe use of this material in your process or in combination with other substances. Van London pHOenix Company shall not be held liable for any damage resulting from handling or from contact with the above product.