

# MATERIAL SAFETY DATA SHEET

## Part#F00AS02

### **SECTION I: GENERAL INFORMATION**

**PRODUCT NAME:** 1000 ppm Fluoride Standard  
**MANUFACTURE'S NAME:** pHoenix Electrode Company Houston, TX 77081  
**DISTRIBUTED BY:** pHoenix Electrode Company  
**ADDRESS:** 6103 Glenmont Houston, Texas 77081  
**PHONE:** 713/772-6666 **FAX:** 713/772-4671

**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(S)	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:** Clear, colorless, odorless solution

### **SECTION IV: FIRE & EXPLOSION HAZARD DATA**

**FLASHPOINT:** Not flammable  
**AUTOIGNITION 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:** Flush 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. Observe all state, federal, and local laws.

**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.

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**NAME:** Peter Boyle/R & D Director

**SIGNATURE:** Peter F. Boyle