

**OFI TESTING EQUIPMENT, INC.**  
**MATERIAL SAFETY DATA SHEET**

<b>SECTION I - PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>Chemical Name:</b>	POTASSIUM FLUORIDE SOLUTION, 0.01M
<b>Trade Name:</b>	FLUORIDE ION SOLUTION, 0.01M
<b>OFI Part No.</b>	216-02
<b>Chemical Family:</b>	Not Applicable for Mixtures
<b>Formula:</b>	Not Applicable for Mixtures
<b>Manufacturer:</b>	OFI Testing Equipment, Inc. 1006 West 34 <sup>th</sup> Street Houston, TX 77018 U.S.A. (713) 880-9885
<b>In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:</b>	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
<b>SECTION II - HAZARD IDENTIFICATION</b>	
<b>CAS #:</b>	<b>CHEMICAL NAME</b>
13455-21-5	Potassium Fluoride 0.05 to 0.08%
<b>SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS</b>	
<b>Emergency Overview:</b>	Large Doses May Cause Gastrointestinal Upset.
<b>Inhalation:</b>	No Adverse Health Effects Expected from Inhalation. Use with adequate ventilation.
<b>Ingestion:</b>	Large Doses may Cause Gastrointestinal Upset.
<b>Skin:</b>	No Adverse Effects Expected.
<b>Eye Contact:</b>	Avoid Contact with Eyes - No Adverse Effects Expected.
<b>Chronic Exposure:</b>	No Information Found.
<b>Aggravated by Exposure:</b>	No Information Found.
<b>SECTION IV - FIRST AID MEASURES</b>	
<b>Inhalation:</b>	Not Expected to Require First Aid Measures.
<b>Ingestion:</b>	If Swallowed, Drink 2 Glasses of Water and Induce Vomiting. Never give anything to an Unconscious person.
<b>Skin:</b>	Wash Exposed area with Soap and Water. Get Medical Advice if Irritation Develops.
<b>Eyes:</b>	Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes, Lifting Lower and Upper Eyelids Occasionally. <b>Get Medical Attention Immediately.</b>
<b>SECTION V - FIRE FIGHTING MEASURES</b>	
<b>Fire:</b>	Not Considered to be a Fire Hazard.
<b>Explosion:</b>	Not Considered to be a Explosion Hazard.
<b>Fire Extinguishing Media:</b>	Use any means Suitable for Extinguishing Surrounding Fire.
<b>Special Information:</b>	In the Event of Fire, Wear Full Protective Clothing and NIOSH-Approved Self-Contained Breathing Apparatus with Full Facepiece Operated in the Pressure Demand or Other Positive Pressure Mode.
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
Ventilate Area of Leak or Spill. Keep Unnecessary and Unprotected People away from Area of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8. Contain and Recover Liquid when Possible. Collect Liquid in a Appropriate Container and Absorb with Dry Sand, Vermiculite, Earth or other Inert Substance and Package in a Suitable Container for Disposal. Do Not Flush to Sewer!	
<b>SECTION VII - HANDLING AND STORAGE</b>	
Keep in Tightly Closed Container, Stored in a Cool, Dry, Ventilated Area. Protect Against Physical Damage and Freezing. Containers of this Material May be Hazardous when Empty Since they Retain Product Residues (Vapors, Liquid).	

<b>SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION</b>	
<b>Ventilation System:</b>	Not Expected to Require any Special Ventilation.
<b>Airborne Exposure Limits:</b>	None Established.
<b>Personal Respirators: (NIOSH APPROVED)</b>	Not Expected to Require Personal Respirator Usage.
<b>Skin Protection:</b>	Wear Protective Gloves and Clean Body-Covering Clothing.
<b>Eye Protection:</b>	Safety Glasses.
<b>SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance / Odor:</b>	Clear, Colorless / Odorless
<b>Solubility:</b>	Infinitely Soluble
<b>Specific Gravity:</b>	No Information Found.
<b>pH:</b>	No Information Found.
<b>% Volatiles by Vol.:</b>	> 90 (as water)
<b>Melting Point:</b>	ca. 32 °F (0 °C)
<b>Boiling Point:</b>	ca. 212 °F (100 °C)
<b>Vapor Density (Air=1):</b>	No Information Found.
<b>Vapor Pressure (mmHg):</b>	No Information Found.
<b>SECTION X - STABILITY AND REACTIVITY</b>	
<b>General Reactivity:</b>	Stable Under Ordinary Conditions of Use and Storage.
<b>Hazardous Decomposition:</b>	Hydrogen Fluoride Gas
<b>Incompatibilities:</b>	Oxidizers, corrosives, quinine & calcium salts
<b>Hazardous Polymerization:</b>	Will Not Occur.
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>	
<b>Carcinogenic References:</b>	IARC Category- None, NTP Carcinogen - Known: No
<b>SECTION XII - ECOLOGICAL INFORMATION</b>	
	No Information Found.
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>	
	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
<b>SECTION XIV - TRANSPORT INFORMATION</b>	
<b>Hazard Class:</b>	Not Regulated
<b>Identification No.:</b>	Not Regulated
<b>SECTION XV - REGULATORY INFORMATION</b>	
	All components are listed on TSCA inventory.
<b>SECTION XVI - OTHER INFORMATION</b>	
<b>NFPA Rating:</b>	HEALTH-1, FLAMMABILITY-0, REACTIVITY-0
<b>Disclaimer:</b>	The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).