

OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT AND COMPANY IDENTIFICATION	
Chemical Name:	POTASSIUM IODIDE
Trade Name:	POTASSIUM IODIDE CRYSTALS
OFI Part No.	144-944
Chemical Family:	Potide; hydriocic acid, potassium salt; Iodic acid, potassium salt
Formula:	KI
Manufacturer:	OFI Testing Equipment, Inc. 1006 West 34 th Street Houston, TX 77018 U.S.A. (713) 880-9885
In Case of Emergency Spills, Leaks, Fire, Exposure or Accident:	In the USA, call INFOTRAC at 1-800-535-5053 day or night Outside the USA, call collect, (352) 323-3500
SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS	
CAS #:	CHEMICAL NAME
7681-11-0	Potassium Iodide 90.0 to 100.0%
SECTION III - HAZARD IDENTIFICATION	
Emergency Overview:	Caution! May Cause Irritation to Skin, Eyes, and Respiratory Tract.
Inhalation:	May Cause Irritation to the Respiratory Tract. Symptoms may Include Coughing and Shortness of Breath.
Ingestion:	Large Oral Doses may Cause Irritation to the Gastrointestinal Tract.
Skin:	May Cause Irritation with Redness and Pain.
Eye Contact	May Cause Irritation, Redness and Pain.
Chronic Exposure:	Chronic Ingestion of Iodides may Produce "iodism," Which may be Manifested by Skin Rash, Running Nose, Headache and Irritation of Mucous Membranes. Weakness, Anemia, Loss of Weight and General Depression may also Occur.
Aggravated by Exposure:	No Information Found.
SECTION IV - FIRST AID MEASURES	
Inhalation:	Remove to Fresh Air. Get Medical Attention Immediately for any Breathing Difficulty.
Ingestion:	Induce Vomiting Immediately as Directed by Medical Personnel. Never Give Anything to an Unconscious Person.
Skin:	In Case of Contact, Immediately Flush Skin with Plenty of Water for at Least 15 Minutes while Removing Contaminated Clothing and Shoes. Wash Clothing and Shoes before Reuse. Get medical attention if irritation develops.
Eyes:	Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes, Lifting Upper and Lower Eyelids Occasionally. Get Medical Attention Immediately.
SECTION V - FIRE FIGHTING MEASURES	
Fire:	Not Considered to be a Fire Hazard.
Explosion:	Not Considered to be a Explosion Hazard.
Fire Extinguishing Media:	Use any Means Suitable for Extinguishing Surrounding Fire.
Special Information:	Evacuate Affected area, Avoid Smoke and Fumes. 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.
SECTION VI - ACCIDENTAL RELEASE MEASURES	
Ventilate area or Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 8 Sweep up and Containeriz for Reclamation or Disposal. Vacuuming or Wet Sweeping may be Use to Avoid Dust Dispersal.	
SECTION VII - HANDLING AND STORAGE	
Store in a Cool, Dry, Ventilated Storage Area. Protect from Physical Damage. Isolate from Incompatible Substances. Prolonged Storage is Not Recommended Because of Possible Degradation Problems, Including Yellowing of Potassium Iodide Product. Always Inspect the Potassium Iodide's Color and Overall Quality Before Use. Containers of this Material may be Hazardous when Empty Since they Retain Product Residues (dust, solids); Observe all Warnings and Precautions Listed for the Product.	

SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION	
Ventilation System:	A System of Local and/or General Exhaust is Recommended to Keep Employee Exposures below the Airborne Exposure Limits. Local Exhaust Ventilation is Generally Preferred because it can Control the Emissions of the Contaminant at its Source, Preventing Dispersion of it into the General Work Area.
Airborne Exposure Limits:	OSHA - Permissible Exposure Limit (PEL): 15 mg/m ³ Total Dust, 5 mg/m ³ Respirable Fraction for Nuisance Dusts. ACGIH - Threshold Limit Value (TLV): 10 mg/m ³ Total Dust Containing No Asbestos and <1% Crystalline Silica Particulates Not Otherwise Classified (PNOC).
Personal Respirators: (NIOSH APPROVED)	If the Exposure Limit is Exceeded, a Half-Face Dust/Mist Respirator may be Worn for up to Ten Times the Exposure Limit or the Maximum use Concentration Specified by the Appropriate Regulatory Agency or Respirator Supplier, Whichever is Lowest. A Full-Facepiece Dust/Mist Respirator may be worn up to 50 Times the Exposure Limit, or the Maximum Use Concentration Specified by the Appropriate Regulatory Agency, or Respirator Supplier, Whichever is Lowest.
Skin Protection:	Gloves and Lab Coat, Apron or Coveralls.
Eye Protection:	Use Chemical Safety Goggles. Maintain Eye Wash Fountain and Quick-Drench Facilities in Work Area.
SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance / Odor:	White Crystals / Odorless
Solubility:	140g / 100g water @ 68 °F (20 °C).
Specific Gravity:	3.1
pH:	7 to 9
% Volatiles by Vol.:	0
Melting Point:	1256 °F (680 °C)
Boiling Point:	2426 °F (1330 °C)
Vapor Density (Air=1):	No Information Found
Vapor Pressure (mmHg):	1 @ 1373 °F (745 °C)
SECTION X - STABILITY AND REACTIVITY	
General Reactivity:	Stable under Ordinary Conditions of Use and Storage. On Long Exposure to Air Becomes Yellow due to Release of Iodine.
Hazardous Decomposition:	Oxides of the contained metal and halogen, possibly also free, or ionic halogen.
Incompatibilities:	Diazonium salts; Diisopropyl Peroxydicarbonate; Oxidants; Bromine and Chlorine Trifluorides; Fluorine Perchlorate; Calomel (Mercurous Chloride); Potassium Chlorate; Metallic salts; Tartaric and Other Acids.
Hazardous Polymerization:	Will Not Occur.
Conditions to Avoid:	Air, moisture, light and incompatibles.
SECTION XI - TOXICOLOGICAL INFORMATION	
Carcinogenic References:	NTP Carcinogen - Known: No, IARC Category- None
SECTION XII - ECOLOGICAL INFORMATION	
No Information Found.	
SECTION XIII - DISPOSAL CONSIDERATIONS	
Whatever Cannot be Saved for Recovery or Recycling Shoul be Managed in an Appropriate and Approved Waste Disposal Facility. Processing, Use or Contamination of this Product may Change the Waste Management Options. State and Local Disposal Regulations may Differ from Federal Disposal Regulations. Dispose of Container and Unused Contents in Accordance with Federal, State and Local Requirements.	
SECTION XIV - TRANSPORT INFORMATION	
Hazard Class:	Not Regulated
Identification No.:	Not Regulated

SECTION XV - REGULATORY INFORMATION					
Chemical Inventory Status – Part 1:	Ingredient ----- Potassium Iodide (7681-11-0)	TSCA ----- Yes	EC ----- Yes	Japan ----- Yes	Australia ----- Yes
Chemical Inventory Status – Part 2:	Ingredient ----- Potassium Iodide (7681-11-0)	Korea ----- Yes	DSL ----- Yes	NDSL ----- No	Phil. ----- Yes
Federal, State & International Regulations – Part 1:	Ingredient ----- Potassium Iodide (7681-11-0)	-SARA 302- RQ ----- No	TPQ ----- No	-----SARA 313----- List ----- No	Chemical Catg. ----- No
Federal, State & International Regulations – Part 2:	Ingredient ----- Potassium Iodide (7681-11-0)	-RCRA- CERCLA ----- No	-TSCA 261.33 ----- No	8(d) ----- No	
Chemical Weapons Convention:	No				
TSCA 12 (b):	No				
CDTA:	No				
SARA 311/312:	Acute: Yes	Chronic: Yes	Fire: No	Pressure: No	
Australian Hazchem Code:	Reactivity: No	(Pure / Solid)			
Poison Schedule:	None allocated.				
	None allocated.				
SECTION XVI - OTHER INFORMATION					
NFPA Rating:	HEALTH-1, FLAMMABILITY-0, REACTIVITY-0				
Disclaimer:	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).				