

OFI TESTING EQUIPMENT, INC.
MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION	
Chemical Name:	IODINE/IODIDE VOLUMETRIC SOLUTIONS
Trade Name:	SULFIDE ION TEST SOLUTION "C"
OFI Part No.	145-503
Chemical Family:	Not Applicable for Mixtures
Formula:	Not Applicable for Mixtures
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 - HAZARD IDENTIFICATION	
CAS #:	CHEMICAL NAME
7553-56-2	Iodine 1.0 to 2.0%
7681-11-0	Potassium Iodide 2.0 to 3.0%
SECTION III - COMPOSITION / INFORMATION ON INGREDIENTS	
Emergency Overview:	Caution! Can cause severe eye, skin, and respiratory Irritation and burns. Inhalation of vapors and ingestion may be lethal.
Inhalation:	Vapors severely irritate and can burn the mucous membranes and respiratory tract. Excessive tears, rhinitis, tightness in the chest, sore throat, headache and delayed pulmonary edema can result. Inhalation of concentrated vapors may be fatal.
Ingestion:	Can cause severe burns oth the mouth, throat and stomach causes abdominal pain, diarrhea, fever, vomiting, stupor and shock. Probable lethal dose is 2 to 4 grams of free Iodine.
Skin:	Contact may cause blistering burns, irritation, and pain. Vapors may be severely irritating to the skin.
Eye Contact:	Vapors are severely irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.
Chronic Exposure:	Chronic exposure to Iodine may cause insomnia, conjunctivitis, inflammation of the nasal mucous, bronchitis, tremor, rapid heart beat, diarrhea and weight loss. Allergic sensitization may occur. Chronic Iodine overdoses have produced Iodism. Headaches, fever, sneezing, salivation, and skin rashes may occur.
Aggravated by Exposure:	Persons with pre-existing skin disorders, eye problems, impaired respiratory function, or disease of the thyroid, lungs, or kidney may be more susceptible to the effects of the substance.
SECTION IV - FIRST AID MEASURES	
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. Observe for the development of pulmonary edema.
Ingestion:	Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin:	Wipe off excess material from skin then immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse.
Eyes:	Immediately Flush Eyes with Plenty of Water for at Least 15 Minutes, Lifting Lower and Upper 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:	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 of Leak or Spill. Keep Unnecessary and Unprotected People away from Area of of Spill. Wear Appropriate Personal Protective Equipment as Specified in Section 7. 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!	

SECTION VII - HANDLING AND STORAGE	
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).	
SECTION VIII - EXPOSURE CONTROL / PERSONAL PROTECTION	
Ventilation System:	A system of local and/or general exhaust is recommended to keep employee exposures below Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersions of it into the work area.
Airborne Exposure Limits:	OSHA (PEL): 0.1 ppm ceiling - ACGIH (TLV): 0.1 ppm
Personal Respirators: (NIOSH APPROVED)	If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. This substance has unknown warning properties.
Skin Protection:	Wear Protective Gloves and Clean Body-Covering Clothing.
Eye Protection:	Use chemical safety goggles and/or a full face shield where splashing is possible.
SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance / Odor:	Clear, Reddish brown / Iodine Odor
Solubility:	Infinitely Soluble
Specific Gravity:	No Information Found.
pH:	No Information Found.
% Volatiles by Vol.:	> 90 (as water)
Melting Point:	ca. 32 °F (0 °C)
Boiling Point:	ca. 212 °F (100 °C)
Vapor Density (Air=1):	No Information Found.
Vapor Pressure (mmHg):	No Information Found.
SECTION X - STABILITY AND REACTIVITY	
General Reactivity:	Stable Under Ordinary Conditions of Use and Storage. May discolor on exposure to light.
Hazardous Decomposition:	Burning may Produce Toxic Iodine Vapors.
Incompatibilities:	Ammonia, strong acids, powdered metals, alkali metals, acetaldehyde, acetylene, ammonium hydroxide, and strong reducing agents,
Hazardous Polymerization:	Will Not Occur.
SECTION XI - TOXICOLOGICAL INFORMATION	
Carcinogenic References:	IARC Category- None, NTP Carcinogen - Known: No
SECTION XII - ECOLOGICAL INFORMATION	
No Information Found.	
SECTION XIII - DISPOSAL CONSIDERATIONS	
Disposal should be made in accordance with federal, state and local regulations.	
SECTION XIV - TRANSPORT INFORMATION	
Hazard Class:	Not Regulated
Identification No.:	Not Regulated
SECTION XV - REGULATORY INFORMATION	
All components listed on TSCA Inventory.	
SECTION XVI - OTHER INFORMATION	
NFPA Rating:	HEALTH-3, FLAMMABILITY-0, REACTIVITY-0
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