



ELECTRO-TECHNIC PRODUCTS INC.

4642 N. RAVENSWOOD, CHICAGO, ILLINOIS 60640-4510

TELEPHONE: 1-773-561-2349

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MATERIAL SAFETY DATA SHEET

SECTION I IDENTITY: **Spectrum Tube, Iodine (ETP Product No. 20602)**
Contains approximately 50 mg of solid I₂

MANUFACTURER: **Electro-Technic Products, Inc.** EMERGENCY TELEPHONE NUMBER **773-561-2349**

ADDRESS **4642 N. Ravenswood Ave.** TELEPHONE FOR INFORMATION **773-561-2349**
Chicago, IL 60640-4592 FAX NUMBER FOR INFORMATION **773-561-3130**

DATE PREPARED **September 22, 2004**

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS %	(OPT)
Iodine (I₂)			0.1 ppm	

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT - **184 °C** SPECIFIC GRAVITY (H₂O=1) **4.93**

VAPOR PRESSURE **0.54 Torr @ 23 °C** MELTING POINT **113 °C**

VAPOR DENSITY (AIR=1) **0.006** SOLUBILITY IN WATER **0.03 g/100 ml**

EVAPORATION RATE (BUTYL ACETATE=1) **Not Available** APPEARANCE AND ODOR **Dark violet solid/sharp odor**

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED) **Does not apply** FLAMMABLE LIMITS LEL UEL

EXTINGUISHING MEDIA **Does not apply**

SPECIAL FIRE FIGHTING PROCEDURES **None**

UNUSUAL FIRE AND EXPLOSION HAZARDS **None**

SECTION V - REACTIVITY DATA **Spectrum Tube, Iodine**

STABLE (Y/N) Y	CONDITIONS TO AVOID	Avoid reducing agents
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INCOMPATIBILITY (MATERIALS TO AVOID)	Reducing agents
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HAZARDOUS DECOMPOSITION PRODUCTS	Not available
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HAZARDOUS POLYMERIZATION (Y/N) N	CONDITIONS TO AVOID	None
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SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY	INHALATION? Yes	SKIN? No	INGESTION? Yes
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HEALTH HAZARDS (ACUTE AND CHRONIC)

CARCINOGENICITY	NTP	IARC MONOGRAPHS	OHSA REGULATED
Unknown	No	No	No

SIGNS AND SYMPTOMS OF EXPOSURE	Odor; eye irritation
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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	None Identified
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EMERGENCY AND FIRST AID PROCEDURES

If ingested-Do not induce vomiting, give water, call physician

If inhaled, remove to fresh air **If skin or eye contact, flush with water for 15 minutes**

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Clean up broken glass and approximately 50 mg of solid I₂

RECAUTIONS TO BE TAKEN IN HANDLING/STORING	Sharp glass fragments
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OTHER PRECAUTIONS	None	WASTE DISPOSAL METHOD	Standard
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SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE)	None
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VENTILATION: LOCAL EXHAUST	If TLV exceeded	SPECIAL
MECHANICAL	None	OTHER

PROTECTIVE GLOVES No	EYE PROTECTION	Safety goggles
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WORK/HYGIENIC PRACTICE	Normal laboratory procedures
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Leak Testers, Corona Treaters, Science Education Products

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