



**ELECTRO-TECHNIC PRODUCTS INC.**

4642 N. RAVENSWOOD, CHICAGO, ILLINOIS 60640-4510

TELEPHONE: 1-773-561-2349

FAX: 1-773-561-3130

MATERIAL SAFETY DATA SHEET

IDENTITY: **Spectrum Tube, Krypton (ETP Product No. 21402)**

SECTION I

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

ADDRESS **4642 N. Ravenswood Ave.** TELEPHONE FOR INFORMATION **773-561-2349**  
**Chicago, IL**  
**60640-4510** FAX NUMBER FOR INFORMATION **773-561-3130**

DATE PREPARED **August 1, 2012**

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS	%	(OPT)
---------------------	----------	-----------	--------------	---	-------

**None**

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT (deg C)	SPECIFIC VOLUME (1 ATM, 21.1 °C)
<b>-153.4 °C</b>	<b>0.288 m<sup>3</sup>/kg</b>

VAPOR PRESSURE (Torr)	MELTING POINT (deg C)
<b>Does not apply</b>	<b>- 156.6 °C</b>

VAPOR DENSITY (AIR=1)	EVAPORATION RATE (BUTYL ACETATE=1)
<b>2.89 @ 1 ATM, 0 °C</b>	<b>Does not apply</b>

SOLUBILITY IN WATER	APPEARANCE AND ODOR
<b>59.4 cm<sup>3</sup>/kg @ 1 ATM, 0 °C</b>	<b>Colorless, odorless gas</b>

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	LEL	UEL
<b>Does not apply</b>	<b>Nonflammable</b>		

EXTINGUISHING MEDIA **Does not apply**

SPECIAL FIRE FIGHTING PROCEDURES **None**

UNUSUAL FIRE AND EXPLOSION HAZARDS **None**

## SECTION V - REACTIVITY DATA

Spectrum Tube, Krypton

STABLE (Y/N)	<b>Y</b>	CONDITIONS TO AVOID	<b>None</b>
INCOMPATIBILITY (MATERIALS TO AVOID)		<b>None</b>	
HAZARDOUS DECOMPOSITION PRODUCTS		<b>None</b>	
HAZARDOUS POLYMERIZATION (Y/N)	<b>N</b>	CONDITIONS TO AVOID	<b>None</b>

## SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY	INHALATION?	SKIN?	INGESTION?
	<b>No</b>	<b>No</b>	<b>No</b>
HEALTH HAZARDS (ACUTE AND CHRONIC)		<b>None</b>	
CARCINOGENICITY	NTP	IARC MONOGRAPHS	OHTA REGULATED
<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>
SIGNS AND SYMPTOMS OF EXPOSURE		<b>None</b>	
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE		<b>None</b>	
EMERGENCY AND FIRST AID PROCEDURES		<b>None</b>	

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

**Clean up broken glass**WASTE DISPOSAL METHOD **Standard**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

**Sharp glass fragments**OTHER PRECAUTIONS **None**

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE)	<b>None</b>
VENTILATION: LOCAL EXHAUST MECHANICAL	<b>None</b>
OTHER	SPECIAL
PROTECTIVE GLOVES	<b>No</b>
EYE PROTECTION	<b>Safety goggles</b>
OTHER PROTECTIVE EQUIPMENT	<b>None</b>
WORK/HYGIENIC PRACTICES	<b>Normal laboratory procedures</b>

*Leak Testers, Corona Treaters, Science Education Products*web site: [www.electrotechnicproduct.com](http://www.electrotechnicproduct.com)e-mail: [sales@electrotechnicproduct.com](mailto:sales@electrotechnicproduct.com)