



**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, Nitrogen (ETP Product No. 20902)**

**SECTION I**

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

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

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**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS % (OPT)
	<b>None</b>	<b>None</b>	<b>None established</b>

**SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS**

**BOILING POINT -195.8 °C**      **SPECIFIC VOLUME (@1 ATM,21.1°C) 0.861 m<sup>3</sup>/kg**

**VAPOR PRESSURE (Torr) N.A.**      **MELTING POINT -209.86 °C**

**VAPOR DENSITY (AIR=1) 0.967 @1 ATM, 0 °C**      **EVAPORATION RATE (BUTYL ACETATE=1) Not applicable**

**SOLUBILITY IN WATER 14.85 cm<sup>3</sup>/kg @ 1 ATM, 25 °C**      **APPEARANCE AND ODOR Colorless, odorless gas**

**SECTION IV - FIRE AND EXPLOSION DATA**

**FLASH POINT (METHOD USED) Nonflammable**      **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, Nitrogen**

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?	<b>Yes</b>	SKIN?	<b>No</b>	INGESTION?	<b>No</b>
HEALTH HAZARDS (ACUTE AND CHRONIC)		<b>None</b>			
CARCINOGENICITY	<b>No</b>	NTP	<b>No</b>	IARC MONOGRAPHS	<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 V11 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED  
**Clean up broken glass**

WASTE DISPOSAL METHOD	<b>Standard</b>
PRECAUTIONS TO BE TAKEN IN HANDLING/STORING	<b>Sharp glass fragments</b>
OTHER PRECAUTIONS	<b>None</b>

## SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (TYPE)	<b>None</b>		
VENTILATION:	LOCAL EXHAUST MECHANICAL	SPECIAL OTHER	
	<b>None</b>	<b>None</b>	
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)