

SE-9462

MATERIAL SAFETY DATA SHEET

IDENTITY: Spectrum Tube, Helium (ETP Product No. 20402)

SECTION I

MANUFACTURER:
Electro-Technic Products, Inc.

EMERGENCY TELEPHONE NUMBER
312-561-2349

ADDRESS
4642 N. Ravenswood Ave.
Chicago, IL
60640-4592

TELEPHONE FOR INFORMATION
312-561-2349

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312-561-3130

DATE PREPARED August 7, 1989

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA PEL	ACGIH TLV	OTHER LIMITS	% (OPT)
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None

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT (deg C)
- 268.934 °C

SPECIFIC VOLUME (0 °C, 1 ATM)
0.1785 g/l

VAPOR PRESSURE (Torr)
Not applicable

MELTING POINT (deg C)
- 272.2 °C (26 ATM)

VAPOR DENSITY (AIR=1)
Not available

EVAPORATION RATE (BUTYL ACETATE=1)
Not available

SOLUBILITY IN WATER
Not available

APPEARANCE AND ODOR
Colorless, odorless gas

SECTION IV - FIRE AND EXPLOSION DATA

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

EXTINGUISHING MEDIA Does not apply

SPECIAL FIRE FIGHTING PROCEDURES None

UNUSUAL FIRE AND EXPLOSION HAZARDS None
MSDS Part Number 085-0114-2

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

STABLE (Y/N) **Y** CONDITIONS TO AVOID **None**

INCOMPATIBILITY (MATERIALS TO AVOID) **None**

HAZARDOUS DECOMPOSITION PRODUCTS **None**

HAZARDOUS POLYMERIZATION (Y/N) **N** CONDITIONS TO AVOID **None**

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY	INHALATION?	SKIN?	INGESTION?
	Yes	No	No

HEALTH HAZARDS (ACUTE AND CHRONIC) **None**

CARCINOGENICITY	NTP	IARC MONOGRAPHS	OHSA REGULATED
No	No	No	No

SIGNS AND SYMPTOMS OF EXPOSURE **None**

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE **None**

EMERGENCY AND FIRST AID PROCEDURES **None**

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) **None**

VENTILATION: LOCAL EXHAUST		SPECIAL
MECHANICAL	None	OTHER

PROTECTIVE GLOVES **No** EYE PROTECTION **Safety goggles**

OTHER PROTECTIVE EQUIPMENT **None**

WORK/HYGIENIC PRACTICES **Normal laboratory procedures**