

# SE-9467

## MATERIAL SAFETY DATA SHEET

IDENTITY: Spectrum Tube, Neon (ETP Product No. 20802)

### SECTION I

|                                                 |                                            |
|-------------------------------------------------|--------------------------------------------|
| MANUFACTURER:<br>Electro-Technic Products, Inc. | EMERGENCY TELEPHONE NUMBER<br>312-561-2349 |
|-------------------------------------------------|--------------------------------------------|

|                                                                 |                                            |
|-----------------------------------------------------------------|--------------------------------------------|
| ADDRESS<br>4642 N. Ravenswood Ave.<br>Chicago, IL<br>60640-4592 | TELEPHONE FOR INFORMATION<br>312-561-2349  |
|                                                                 | FAX NUMBER FOR INFORMATION<br>312-561-3130 |

DATE PREPARED August 7, 1989

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS<br>COMPONENT | OSHA PEL         | ACGIH TLV | OTHER LIMITS | % (OPT) |
|------------------------|------------------|-----------|--------------|---------|
| None                   | None established |           |              |         |

### SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

|                                                                |                                                              |
|----------------------------------------------------------------|--------------------------------------------------------------|
| BOILING POINT (deg C)<br>-246.6 °C                             | SPECIFIC VOLUME (@1 ATM, 21.1 °C)<br>1.99 m <sup>3</sup> /kg |
| VAPOR PRESSURE (Torr)<br>Not applicable                        | MELTING POINT (deg C)<br>-248.67 °C                          |
| VAPOR DENSITY (AIR=1)<br>0.696 @1 ATM, 0 °C                    | EVAPORATION RATE (BUTYL ACETATE=1)<br>Not applicable         |
| SOLUBILITY IN WATER<br>14.0 cm <sup>3</sup> /kg @ 1 ATM, 20 °C | APPEARANCE AND ODOR<br>Colorless, odorless gas               |

### SECTION IV - FIRE AND EXPLOSION DATA

|                                           |                  |     |     |
|-------------------------------------------|------------------|-----|-----|
| FLASH POINT (METHOD USED)<br>Nonflammable | FLAMMABLE LIMITS | LEL | UEL |
| EXTINGUISHING MEDIA                       | Does not apply   |     |     |
| SPECIAL FIRE FIGHTING PROCEDURES          | None             |     |     |
| UNUSUAL FIRE AND EXPLOSION HAZARDS        | 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      OSHA REGULATED  
                                 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      No                      OTHER      **None**

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

OTHER PROTECTIVE EQUIPMENT      **None**

WORK/HYGIENIC PRACTICES      **Normal laboratory procedures**

