SE-9464

ELECTRO-TECHNIC PRODUCTS INC.

4642 N. RAVENSWOOD, CHICAGO, ILLINOIS 60640-4510
PHONE: (773) 561-2349 • FAX: (773) 561-3130

MATERIAL SAFETY DATA SHEET

IDENTITY: Spectrum Tube, Carbon Dioxide (ETP Product No. 21302)

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
DATE PREPARED	September 2, 2006

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENT	OSHA TWA	ACGIH TLV	OTHER LIMITS	% (OPT)
None	5,000 ppm	5,000 ppm	15,000 ppm (ACGIH STEL)	

SECTION III - PHYSICAL AND CHEMICAL CHARACTERISTICS

SUBLIMATION POINT (° C) -78.4 °C	SPECIFIC VOLUME (1 ATM, 21.1 °C) 0.547 m^3/kg
VAPOR PRESSURE (kPa) 5,727 kPa (gauge)	MELTING POINT (deg C) Does not apply
VAPOR DENSITY (AIR=1) 1.53 @ 1 ATM, 0 °C	EVAPORATION RATE (BUTYL ACETATE=1) Does not apply
SOLUBILITY IN WATER 7.59 cm^3/kg @ 1 ATM, 0 °C	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: 085-0123-2

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SECTION V - REACTIVITY DATA **Spectrum Tube, Carbon Dioxide**

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

INCOMPATIBILITY (MATERIALS TO AVOID) **None**

HAZARDOUS DECOMPOSITION PRODUCTS **With reactive metals, and their hydrides**

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

SECTION VI - HEALTH HAZARD DATA

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