SE-9464

MATERIAL SAFETY DATA SHEET

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

SECTION I	
MANUFACTURER: Electro-Technic Products, Inc	EMERGENCY TELEPHONE NUMBER 312-561-2349
ADDRESS 4642 N. Ravenswood Ave. Chicago, IL	TELEPHONE FOR INFORMATION 312-561-2349
60640-4592	FAX NUMBER FOR INFORMATION 312-561-3130
DATE PREPARED August 7, 1989	
SECTION II - HAZARDOUS INGRED	IENTS/IDENTITY INFORMATION
HAZARDOUS OSHA TWA AC	GIH TLV OTHER LIMITS % (OPT)
None 5,000 ppm 5,	000 ppm 15,000 ppm (ACGIH STEL)
SECTION III - PHYSICAL AND CH SUBLIMATION POINT (° C) -78.4 °C	EMICAL CHARACTERISTICS SPECIFIC VOLUME (1 ATM,21.1 °C) 0.547 m³/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 EXPLOSI	ON DATA
	FLAMMABLE LIMITS LEL UEL Nonflammable
EXTINGUISHING MEDIA Does no	t apply
SPECIAL FIRE FIGHTING PROCEDU	RES None
UNUSUAL FIRE AND EXPLOSION HA	ZARDS None

STABLE (Y/N) Y	CONDITIONS	TO AVOID	None		The first of the second
INCOMPATIBILITY (MATERIALS TO	AVOID)	None	760	The state of the s
HAZARDOUS DECOMPO	SITION PRODUCT	rs Wit	h reacti	ve meta	ls, and
HAZARDOUS POLYMER	IZATION (Y/N)	N CO	NDITIONS	TO AVO	ID None
SECTION VI - HEAL	TH HAZARD DATA	A			
ROUTES OF ENTRY	INHALATION:	>	SKIN?	ING	ESTION?
HEALTH HAZARDS (A	CUTE AND CHRON	NIC) N	one		
CARCINOGENICITY No	NTP]	TARC MON	OGRAPHS	OHS	A REGULATEI
SIGNS AND SYMPTOM	S OF EXPOSURE	None			
MEDICAL CONDITIONS	S AGGRAVATED I	BY EXPOSI	JRE No	ne	November 1
EMERGENCY AND FIRE	CT ATD DDOCED				
EMERGENCI AND FIR	OI WID BROCEDO	JRES N	one		
				D USE	
SECTION V11 - PREG	CAUTIONS FOR S	SAFE HANI	DLING AN		LLED
SECTION V11 - PREC STEPS TO BE TAKEN Clean up broken g: WASTE DISPOSAL ME	CAUTIONS FOR S IN CASE MATER	SAFE HAN	DLING AN		LLED
SECTION V11 - PREG STEPS TO BE TAKEN Clean up broken g	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND	SAFE HANI	DLING AN	OR SPII	LLED
SECTION V11 - PREC STEPS TO BE TAKEN Clean up broken g: WASTE DISPOSAL MET PRECAUTIONS TO BE Sharp glass fragme	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND	SAFE HANI	DLING AN	OR SPII	LLED
SECTION V11 - PRESE STEPS TO BE TAKEN Clean up broken g: WASTE DISPOSAL MET PRECAUTIONS TO BE Sharp glass fragme OTHER PRECAUTIONS	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND ents None	SAFE HAND RIAL IS I rd DLING AND	DLING AN	OR SPII	LED
SECTION V11 - PREC STEPS TO BE TAKEN Clean up broken gi WASTE DISPOSAL MES	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND ents None	SAFE HAND RIAL IS I rd DLING AND	DLING AN	OR SPII	LLED
SECTION V11 - PRESENTED TO BE TAKEN Clean up broken g: WASTE DISPOSAL METERICAL TO BE Sharp glass fragment of the precautions SECTION VIII - CONTRESPIRATORY PROTECTION: LOCAL	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND ents None TTROL MEASURES CTION (TYPE)	SAFE HAND RIAL IS I d DLING AND	DLING AN	OR SPII	LLED
SECTION V11 - PRESENTED TO BE TAKEN Clean up broken g: WASTE DISPOSAL METERICAL TO BE Sharp glass fragment of the precautions SECTION VIII - CONTRESPIRATORY PROTECTION: LOCAL	CAUTIONS FOR S IN CASE MATER lass THOD Standar TAKEN IN HAND ents None TTOL MEASURES CTION (TYPE)	SAFE HAND	DLING AN RELEASED STORING	OR SPII	LED