

Technical Information
Material Safety Data Sheet

SDT-12M_04E

SECTION 1		CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
MANUFACTURE'S NAME GASTEC CORPORATION	TELEPHONE NUMBER +81-467-79-3910	FACSIMILE NUMBER +81-467-79-3979	
ADDRESS 8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan			
REFERENCE NUMBER SDT-12M_04E		DATE PREPARED April 16, 2009	
PRODUCT NAME	Gas Detector Tube Hydrogen cyanide Detector Tube No. 12M		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Porous Silica Gel (0.5 g) impregnated with Polyhydric Alcohol (<10%), Mercury(II) Chloride (<1%), Copper sulfate and 5 hydrates (<1%) in a glass tube.			
SECTION 3		HAZARDOUS IDENTIFICATION	
Not applicable			
SECTION 4		FIRST AID MEASURES	
Eye contact:	Wash eyes immediately with plenty of water for at least 15 minutes and see a doctor.		
Skin contact:	Wash affected area immediately with soap and plenty of water.		
Inhalation:	Not applicable		
Ingestion:	Rinse mouth immediately and see a doctor.		
SECTION 5		FIRE FIGHTING MEASURES	
None			
SECTION 6		ACCIDENTAL RELEASE MEASURES	
Not applicable			
SECTION 7		HANDLING AND STORAGE	
When breaking off the tube ends, keep away from eyes. Broken glass tubes should not be picked up with bare hands. Tubes should be stored in a cool and dark place.			
SECTION 8		EXPOSURE PROTECTION	
Not applicable			
SECTION 9		PHYSICAL AND CHEMICAL PROPERTIES	
Mercury(II) Chloride:			
Flash point:	Not available		
Autoignition point:	Not available		
Polyhydric Alcohol:			
Flash point:	116°C (tag sealing)		
Autoignition point:	402°C		

SECTION 10	STABILITY AND REACTIVITY
Mercury(II) Chloride:	
Stability:	Stable for heat and light.
Reactivity:	Not available
Condition to avoid:	Sunlight, Heat
Hazardous decomposition product:	Mercury oxide or chloride may be formed.
Polyhydric Alcohol:	
Stability:	Stable. Hygroscopic
Reactivity:	May cause explosion in contact with oxidant.
Condition to avoid:	Sunlight, Heat, Open flames, High temperature, Sparks, Static charge, Other ignition sources
Hazardous decomposition product:	Carbon monoxide may be formed.
SECTION 11	TOXICOLOGICAL INFORMATION
Mercury(II) Chloride:	
Acute toxicity data:	LCL0: (ihl, human): 300mg/m ³ /10 min. LD50: (orl, rat): 1mg/kg LDL0: (iv, dog): 2710 μg/kg LD50: (ip, mouse): 7165 μg/kg
Irritation data:	Skin; rabbit; 500mg/24h; severe Eye; rabbit; 50mg/24h; severe
Mutagenicity:	Chromosomal aberration test; hamster; wbc: 50 μmol/L DNA; damage; hamster; ovarian: 2500nmol/L DNA; inhibition; mouse; wbc: 100nmol/L dominant lethal gene test:: rat; orl: 250mg/kg
Carcinogen:	Not available
Polyhydric Alcohol:	
Acute toxicity data:	TCL0: (ihl, mouse): 10000mg/m ³ ; watering eye, cough, breathing problem LD50: (orl, rat): 1mg/kg LDL0: (iv, rat): 2800mg/kg LD50: (skn, rabbit): 9530mg/kg
Irritation data:	Skin; rabbit; 555mg; open system; minor Eye; rabbit; 100mg/lh; minor
Mutagenicity:	DNA; inhibition; human; lymphocyte; 320mmol/L
Teratogenicity:	TDL0: (orl, mouse): 7500mg/kg; (6-15 D preg) embryotoxicity; abnormal musculoskeletal
Carcinogen:	OSHA: Not listed NTP: Not listed IARC: Not listed
SECTION 12	ECOLOGICAL INFORMATION
	Not available
SECTION 13	DISPOSAL CONSIDERATION
	This tube contains 0.99mg of inorganic mercury. Dispose of in accordance with all applicable laws and regulations. (Contact local environmental agency for specific rules.)
SECTION 14	TRANSPORT INFORMATION
	Breakage of tubes caused by drops, high pressure or bends should

be avoided.

SECTION 15 **REGULATORY INFORMATION**

Not applicable

SECTION 16 **OTHER INFORMATION**

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

