

Technical Information
Material Safety Data Sheet

SDT-12LL_04E

SECTION 1		CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
MANUFACTURE'S NAME	TELEPHONE NUMBER	FACSIMILE NUMBER	
GASTEC CORPORATION	+81-467-79-3910	+81-467-79-3979	
ADDRESS			
8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan			
REFERENCE NUMBER	DATE PREPARED		
SDT-12LL_04E	April 16, 2009		
PRODUCT NAME	Gas Detector Tube Hydrogen cyanide Detector Tube No. 12LL		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
		Porous Silica Gel (0.3 g) impregnated with Polyhydric Alcohol (5-10%), Mercury (II) Chloride (<1%) and Sulfuric Acid (<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/m³/10 min.
LD50: (orl, rat): 1mg/kg
LDL0: (iv, dog): 2710 μ g/kg
LD50: (ip, mouse): 7165 μ g/kg
Irritation data: Skin; rabbit; 500mg/24h; severe
Eye; rabbit; 50mg/24h; severe
Mutagenicity: Chromosomal aberration test; hamster; wbc: 50 μ mol/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/m³; 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: TDLO: (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 0.49mg 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.

