

**Technical Information**  
**Material Safety Data Sheet**

SDT-12L\_03E

<b>SECTION 1</b>		<b>CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>MANUFACTURE'S NAME</b>	<b>TELEPHONE NUMBER</b>	<b>FACSIMILE NUMBER</b>	
GASTEC CORPORATION	+81-467-79-3910	+81-467-79-3979	
<b>ADDRESS</b>			
6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan			
<b>REFERENCE NUMBER</b>		<b>DATE PREPARED</b>	
SDT-12L_03E		September 16, 2005	
<b>PRODUCT NAME</b>	Gas Detector Tube Hydrogen Cyanide Detector Tube No. 12L		
<b>SECTION 2</b>		<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>	
Porous Silica Gel (0.3 g) impregnated with Polyhydric Alcohol (<5%), Mercury (II) Chloride (<1%) in a glass tube.			
<b>SECTION 3</b>		<b>HAZARDOUS IDENTIFICATION</b>	
Not applicable			
<b>SECTION 4</b>		<b>FIRST AID MEASURES</b>	
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.		
<b>SECTION 5</b>		<b>FIRE FIGHTING MEASURES</b>	
None			
<b>SECTION 6</b>		<b>ACCIDENTAL RELEASE MEASURES</b>	
Not applicable			
<b>SECTION 7</b>		<b>HANDLING AND STORAGE</b>	
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.			
<b>SECTION 8</b>		<b>EXPOSURE PROTECTION</b>	
Not applicable			
<b>SECTION 9</b>		<b>PHYSICAL AND CHEMICAL PROPERTIES</b>	
Mercury (II) Chloride:			
Flash point:	Not available		
Autoignition point:	Not available		
Polyhydric Alcohol:			
Flash point:	116°C (tag sealing)		
Autoignition point:	402°C		

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**SECTION 10** **STABILITY AND REACTIVITY**

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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.

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**SECTION 11** **TOXICOLOGICAL INFORMATION**

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Mercury (II) Chloride:	
Acute toxicity data:	LCL0: (ihl, human): 300mg/m <sup>3</sup> /10 min. LD50: (orl, rat): 1mg/kg LDL0: (iv, dog): 2710 $\mu$ g/kg LD50: (ip, mouse): 7165 $\mu$ g/kg
Irritation data:	Skin; rabbit; 500mg/24h; severe Eye; rabbit; 50mg/24h; severe
Mutagenicity:	Chromosomal aberration test; hamster; wbc: 50 $\mu$ 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/m <sup>3</sup> ; 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

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**SECTION 12** **ECOLOGICAL INFORMATION**

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Not available

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**SECTION 13** **DISPOSAL CONSIDERATION**

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This tube contains 0.39mg of inorganic mercury.  
Dispose of in accordance with all applicable laws and regulations.  
(Contact local environmental agency for specific rules.)

<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b> Breakage of tubes caused by drops, high pressure or bends should be avoided.
<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b> Not applicable
<b>SECTION 16</b>	<b>OTHER INFORMATION</b> No specific notes