

Technical Information
Material Safety Data Sheet

SDT-70L_05E

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-70L_05E		January 20, 2010	
PRODUCT NAME	Gas Detector Tube Total Mercaptan Detector Tube No. 70L		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Porous Silica Gel (0.6 g) impregnated with Lead Acetate (<1%), Acetic Acid (<0.1%) and Mercury(II) Chloride (<0.01%) 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, Lead acetate:			
Flash point:	Not available		
Autoignition point:	Not available		

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.

Lead acetate:
Stability: Stable
Reactivity: Toxic lead oxide gas will be formed when heated hard.
Condition to avoid: Sunlight, Heat
Hazardous decomposition product: Carbon monoxide, Lead oxides

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): 2710µg/kg
LD50: (ip, mouse): 7165µg/kg
Irritation data: Skin; rabbit; 500mg/24h; severe
Eye; rabbit; 50mg/24h; severe
Mutagenicity: Chromosomal aberration test; hamster; wbc: 50µmol/L
DNA; damage; hamster; ovarian: 2500nmol/L
DNA; inhibition; mouse; wbc: 100nmol/L
dominant lethal gene test:: rat; orl: 250mg/kg
Carcinogen: Not available

Lead acetate:
Acute toxicity data: LD50 (orl, rat): 4665mg/kg (RTECS)
LDLo (ipr, rat): 200mg/kg (RTECS)
LD50 (ipr, mouse): 174mg/kg (RTECS)
Irritation data: Not available
Chronic toxicity data: Pain of muscles and joints, motor paralysis, fatigue, tremor. Possibility to occur sterility, miscarriage, stillbirth.
Mutation data: Not available
Tumorigenic data: NTP: R (Human Carcinogen)
IARC: Group 3
(Unclassifiable as to carcinogenicity in humans)

SECTION 12 **ECOLOGICAL INFORMATION**

Not available

SECTION 13 **DISPOSAL CONSIDERATION**

This tube contains 0.01mg of inorganic mercury and 0.62mg of lead.
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.

