

Technical Information
Material Safety Data Sheet

SDT-53_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-53_04E		DATE PREPARED September 15, 2005	
PRODUCT NAME	Gas Detector Tube Dimethyl Sulfide Tube No. 53		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Pretreatment Tube: Porous Silica Gel (0.7 g) impregnated with inorganic mercury (<1%) in a glass tube. Detector Tube: Porous Silica Gel (0.2 g) impregnated with Iodine (<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:			
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.
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 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
SECTION 12	ECOLOGICAL INFORMATION
	Not available
SECTION 13	DISPOSAL CONSIDERATION
	This tube contains 2.07mg 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
	No specific notes