

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

SDT-7J\_03E

<b>SECTION 1</b>		<b>CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>MANUFACTURE'S NAME</b> GASTEC CORPORATION	<b>TELEPHONE NUMBER</b> +81-467-79-3910	<b>FACSIMILE NUMBER</b> +81-467-79-3979	
<b>ADDRESS</b> 6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan			
<b>REFERENCE NUMBER</b> SDT-7J_03E		<b>DATE PREPARED</b> June 15, 2005	
<b>PRODUCT NAME</b>	Gas Detector Tube Phosphine Detector Tube No. 7J		
<b>SECTION 2</b>		<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>	
Porous Silica Gel (0.3 g) impregnated with Mercury(II) Chloride (<5%) 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		

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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.

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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

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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 2.71mg of inorganic mercury.  
Dispose of in accordance with all applicable laws and regulations.  
(Contact local environmental agency for specific rules.)

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**SECTION 14 TRANSPORT INFORMATION**

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Breakage of tubes caused by drops, high pressure or bends should be avoided.

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**SECTION 15 REGULATORY INFORMATION**

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Not applicable

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**SECTION 16 OTHER INFORMATION**

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No specific notes