

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

SDT-7J\_04E

---

**SECTION 1** **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

---

<b>MANUFACTURE'S NAME</b>	<b>TELEPHONE NUMBER</b>	<b>FACSIMILE NUMBER</b>
GASTEC CORPORATION	+81-467-79-3910	+81-467-79-3979

---

**ADDRESS**  
8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan

---

<b>REFERENCE NUMBER</b>	<b>DATE PREPARED</b>
SDT-7J_04E	April 16, 2009

---

<b>PRODUCT NAME</b>	Gas Detector Tube Phosphine Detector Tube No. 7J
---------------------	---

---

---

**SECTION 2** **COMPOSITION/INFORMATION ON INGREDIENTS**

---

Porous Silica Gel (0.3 g) impregnated with Mercury(II) Chloride (<5%) 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

---

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
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.
<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
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
<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
	Not available
<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATION</b>
	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.)
<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>
	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.