

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

SDT-4H\_05E

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**SECTION 1**

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**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

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**REFERENCE NUMBER**  
SDT-4H\_05E

**DATE PREPARED**  
April 16, 2009

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**PRODUCT NAME**

Gas Detector Tube  
Hydrogen Sulfide Detector Tube No. 4H

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**SECTION 2**

**TYPICAL COMPOSITION**

Porous Silica Gel (0.3 g) impregnated with lead acetate (<5%) and acetic acid (<1%) are filled in glass tube.

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**SECTION 3**

**HAZARDOUS IDENTIFICATION**

Not applicable

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**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.

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**SECTION 5**

**FIRE FIGHTING MEASURES**

None considered necessary

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**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

Not applicable

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**SECTION 7**

**HANDLING AND STORAGE**

Keep eyes away from detector tubes when breaking off both ends.  
Broken glass tubes should not be picked up with bare hands.  
Tubes should be stored in a cool and dark place.

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**SECTION 8**

**EXPOSURE PROTECTION**

Not applicable

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**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

Lead acetate:

Flash point: Not available

Explosion point: Not available

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
	<p>Lead acetate:</p> <p>Stability: Stable</p> <p>Reactivity: Toxic lead oxide gas will be formed when heated hard.</p> <p>Condition to avoid: Sunlight, Heat</p> <p>Hazardous decomposition product:: Carbon monoxide, Lead oxides</p>
<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
	<p>Lead acetate:</p> <p>Acute toxicity data: LD50 (orl, rat): 4665mg/kg (RTECS) LDLo (ipr, rat): 200mg/kg (RTECS) LD50 (ipr, mouse): 174mg/kg (RTECS)</p> <p>Irritation data: Not available</p> <p>Chronic toxicity data: Pain of muscles and joints, motor paralysis, fatigue, tremor. Possibility to occur sterility, miscarriage, stillbirth.</p> <p>Mutation data: Not available</p> <p>Tumorigenic data: NTP: R (Human Carcinogen) IARC: Group 3 (Unclassifiable as to carcinogenicity in humans)</p>
<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
	Not available
<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATION</b>
	<p>This tube includes 2.7 mg of lead.</p> <p>Dispose of in accordance with all applicable laws and regulations.</p>
<b>SECTION 14</b>	<b>TRANSPORT INFORMATION</b>
	Breakage of tubes caused by drop, high pressure, bend should be avoided.
<b>SECTION 15</b>	<b>REGULATORY INFORMATION</b>
	Not applicable
<b>SECTION 16</b>	<b>OTHER INFORMATION</b>
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