

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

SDT-2HT\_04E

<b>SECTION 1</b>		<b>CHEMICAL PRODUCT AND COMPANY IDENTIFICATION</b>	
<b>MANUFACTURE'S NAME</b>	<b>TELEPHONE NUMBER</b>	<b>FACSIMILE NUMBER</b>	
GASTEC CORPORATION	+81-467-79-3910	+81-467-79-3979	
<b>ADDRESS</b>			
8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan			
<b>REFERENCE NUMBER</b>		<b>DATE PREPARED</b>	
SDT-2HT_04E		April 16, 2009	
<b>PRODUCT NAME</b>	Gas Detector Tube Carbon Dioxide Tube No.2HT		
<b>SECTION 2</b>		<b>COMPOSITION/INFORMATION ON INGREDIENTS</b>	
Porous Silica Gel (1.8 g) impregnated with Hydrazine Hydrate (5-10%) 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>	
Hydrazine Hydrate:			
Flash point:	96°C (COC)		
Autoignition point:	Not available		

<b>SECTION 10</b>	<b>STABILITY AND REACTIVITY</b>
Hydrazine Hydrate:	
Stability:	Stable. (May cause explosion when heated)
Reactivity:	Not available
Condition to avoid:	Sunlight, Heat, Open flames, High temperature, Sparks, Static charge, Other ignition sources
Hazardous decomposition product:	Nitrogen oxide may be formed.
<b>SECTION 11</b>	<b>TOXICOLOGICAL INFORMATION</b>
Hydrazine Hydrate:	
Acute toxicity data:	LD50: (orl, cavy): 40mg/kg LD50: (iv, rabbit): 25mg/kg
Irritation data:	Not available
Mutagenicity:	Hydrazine anhydrate: Approved existing chemical substances (Ministry of Labor 341,1994) Mutagenicity test in microorganisms: Ratio activated value 5.2 x 10 <sup>4</sup> revertants/mg Chromosomal aberration test in mammalian cultured cell: D20, 0.074mg
Carcinogen:	EPA: Probably human carcinogen (B2) NTP: Human carcinogen (R) IARC: Possibility human carcinogen (Group 2B) ACGIH: Animal carcinogen (A3) JSOH: Possibility human carcinogen (Group 2B) (no sufficient basis)
<b>SECTION 12</b>	<b>ECOLOGICAL INFORMATION</b>
	Not available
<b>SECTION 13</b>	<b>DISPOSAL CONSIDERATION</b>
	This tube does not contain any hazardous materials. 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.