

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

SDT-131La\_03E

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

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<b>MANUFACTURE'S NAME</b> GASTEC CORPORATION	<b>TELEPHONE NUMBER</b> +81-467-79-3910	<b>FACSIMILE NUMBER</b> +81-467-79-3979
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**ADDRESS**  
6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan

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<b>REFERENCE NUMBER</b> SDT-131La_03E	<b>DATE PREPARED</b> September 17, 2005
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**PRODUCT NAME**      Gas Detector Tube  
Vinyl Chloride Detector Tube No. 131La

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

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**Pretreatment Tube:** Porous Silica Gel (0.7 g) impregnated with Sulfuric Acid (<25-45%) and Potassium Dichromate (<1%) in a glass tube.  
**Detector Tube:** Porous Silica Gel (0.9g) impregnated in a glass tube.

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**SECTION 3** **HAZARDOUS IDENTIFICATION**

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Not applicable

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**SECTION 4** **FIRST AID MEASURES**

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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**

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None

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**SECTION 6** **ACCIDENTAL RELEASE MEASURES**

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Not applicable

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**SECTION 7** **HANDLING AND STORAGE**

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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 refrigerator.

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**SECTION 8** **EXPOSURE PROTECTION**

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Not applicable

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**SECTION 9** **PHYSICAL AND CHEMICAL PROPERTIES**

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Sulfuric acid:	
Flash point:	Not available
Autoignition point:	Not available

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**SECTION 10 STABILITY AND REACTIVITY**

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Sulfuric acid:  
Stability: Stable. Absorb moisture powerfully from the air.  
Reactivity: React violently with water to evolve heat and may spatter. Bite into metals and concrete caused by oxidation. Carbonize to flammable organic materials.  
Condition to avoid: Sunlight, Heat, Moisture  
Material to avoid: Organic materials, Reducing agents, Metals  
Hazardous decomposition product: Sulfur oxides may be formed

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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Sulfuric acid  
Acute toxicity data: LD50 (orl, rat): 2140mg/kg  
LC50 (ihl, cavy): 18mg/m<sup>3</sup>  
Irritation data: Eye; rabbit; 1380  $\mu$ g; severe  
Mutagenicity: Not available  
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 pretreatment tube contains 0.13 mg of hexavalent chrome.  
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