

Technical Information
Material Safety Data Sheet

SDT-126_03E

SECTION 1 **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

ADDRESS

6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan

REFERENCE NUMBER	DATE PREPARED
SDT-126_03E	September 9, 2005

PRODUCT NAME	Gas Detector Tube Chlorobenzene Detector Tube No.126
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SECTION 2 **COMPOSITION/INFORMATION ON INGREDIENTS**

Porous Silica Gel (0.6g) impregnated with Fuming Sulfuric Acid (5-15%) and Sulfuric Acid (5-10%) and Chromic Anhydride (<1%) 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**

Fuming sulfuric acid, Sulfuric acid:	
Flash point:	Not available
Autoignition point:	Not available

SECTION 10 **STABILITY AND REACTIVITY**

Fuming sulfuric acid:	
Stability:	White smoke poisonous gas (sulfur trioxide) is emitted in air.
Reactivity:	React violently with water to evolve heat. Diluted sulfuric acid reacts with metals such as iron to form flammable hydrogen gas may cause fire and explosion. May cause ignition in contact with organic materials.
Condition to avoid:	Sunlight, Heat, Moisture
Hazardous decomposition product:	Sulfur oxides may be formed.
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

SECTION 11 **TOXICOLOGICAL INFORMATION**

Fuming sulfuric acid:	
Acute toxicity data:	LC50 (ihl, rat): 347ppm/1H (RTECS)
Irritation data:	as Sulfuric acid; Eye; rabbit; 250 μ g; severe (RTECS)
Mutagenicity:	Not available
Carcinogen:	IARC: Human carcinogen (Group 1) ACGIH: as Sulfuric acid; Suspected human carcinogen (A2)
Sulfuric acid	
Acute toxicity data:	LD50 (orl, rat): 2140mg/kg LC50 (ihl, cavy): 18mg/m ³
Irritation data:	Eye; rabbit; 1380 μ g; severe
Mutagenicity:	Not available
Carcinogen:	Not available

SECTION 12 **ECOLOGICAL INFORMATION**

Not available

SECTION 13 **DISPOSAL CONSIDERATION**

This tube contains 0.78 mg of Hexavalent Chromium.
Dispose of in accordance with all applicable laws and regulations.
(Contact local environmental agency for specific rules.)

SECTION 14 **TRANSPORT INFORMATION**

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

SECTION 15 **REGULATORY INFORMATION**

Not applicable

SECTION 16 **OTHER INFORMATION**

No specific notes