

Technical Information
Material Safety Data Sheet

SDT-131VCL_03E

SECTION 1 **CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

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

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

REFERENCE NUMBER SDT-131VCL_03E	DATE PREPARED January 10, 2014
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PRODUCT NAME	Gas Detector Tube Vinyl Chloride Detector Tube No. 131VCL
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SECTION 2 **COMPOSITION/INFORMATION ON INGREDIENTS**

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 (0.5g) impregnated 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 refrigerator.

SECTION 8 **EXPOSURE PROTECTION**

Not applicable

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

Potassium Dichromate / Sulfuric acid	
Flash point:	Not available
Autoignition point:	Not available

SECTION 10 STABILITY AND REACTIVITY

Potassium Dichromate:	
Stability:	The substance is a strong oxidant. A mixture of the substance and combustibles is easy to ignite.
Reactivity:	Not available
Condition to avoid:	Sunlight, Heat
Hazardous decomposition product:	chromium 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

Potassium Dichromate:	
Acute toxicity data:	LD50 (orl, rat): 25mg/kg(RTECS) LD50 (ip, rat): 28mg/kg(RTECS) LD50 (orl, mouse): 190mg/kg(RTECS) LD50 (ip, mouse): 37mg/kg(RTECS) LDLo (sc, mouse): 100mg/kg(RTECS)
Irritation data:	Corrosiveness damages skin and membrane of nose, throat and bronchus.
Sensitization:	Japan Society for Occupational Health: Airway sensitizing substance Group 2 (Probably human sensitizing) Skin sensitizing substance Group 1 (Clearly human sensitizing) (Advice of occupational exposure limits)
Mutagenicity:	Not available
Carcinogen:	As Hexavalent chromium; NTP: K (Prospective human carcinogen) IARC: Group 1 (Human carcinogen) ACGIH: A1 (Known to be carcinogen) Japan Society for Occupational Health: Group 1 (Human carcinogen)
Sulfuric acid:	
Acute toxicity data:	LD50 (orl, rat): 2140mg/kg LC50 (ihl, cavy): 18mg/m ³
Irritation data:	Eye; rabbit; 1380 μg; severe
Mutagenicity:	Not available
Carcinogen:	Not available

SECTION 12 ECOLOGICAL INFORMATION

Not available

SECTION 13 DISPOSAL CONSIDERATION

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.)

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

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.