

Technical Information
Material Safety Data Sheet

SDT-106_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	
ADDRESS 6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan			
REFERENCE NUMBER SDT-106_03E	DATE PREPARED June 28, 2005		
PRODUCT NAME	Gas Detector Tube Petroleum Distillates Tube No.106		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
		Porous Silica Gel (0.7g) impregnated with Sulfuric Acid (5-15%), and Potassium Dichromate(<5%) 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	
Sulfuric acid/ Potassium Dichromate:			
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): 18mg/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/m³
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 11.78mg 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
