

Technical Information
Material Safety Data Sheet

SDT-134L_04E

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 8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan			
REFERENCE NUMBER SDT-134L_04E		DATE PREPARED January 26, 2005	
PRODUCT NAME	Gas Detector Tube Carbon Tetrachloride Detector Tube No.134L		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Pretreatment Tube: Porous Silica Gel (0.4g) impregnated with Sulfuric Acid Fuming (10-20%) in a glass tube. Detector Tube: Porous Silica Gel (0.5g) impregnated with p-Dimethyl-aminobenzaldehyde (<0.01%) 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	
Fuming 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.

SECTION 11 TOXICOLOGICAL INFORMATION

Fuming sulfuric acid:

Acute toxicity data:

LC50 (ihl, rat): 347ppm/1H (RTECS)

Irritation data:

as Sulfuric acid; Eye; rabbit; 250ug; severe (RTECS)

Mutagenicity:

Not available

Carcinogen:

IARC: Human carcinogen (Group 1)

ACGIH: as Sulfuric acid; Suspected human carcinogen (A2)

SECTION 12 ECOLOGICAL INFORMATION

Not available

SECTION 13 DISPOSAL CONSIDERATION

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.)

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