

Technical Information
Material Safety Data Sheet

SDT-91_04E

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			
8-8-6 Fukayanaka, Ayase-City, Kanagawa 252-1195, Japan			
REFERENCE NUMBER	DATE PREPARED		
SDT-91_04E	April 16, 2009		
PRODUCT NAME	Gas Detector Tube Formaldehyde Tube No.91		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
		Pretreatment Tube: Porous Resin impregnated with Xylene (<0.1g) in a glass tube.	
		Detector Tube: Porous Silica Gel (0.5g) impregnated with Fuming Sulfuric Acid (10 - 15%) 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	
Xylene:			
Flash point:	32°C (89.6°F)		
Autoignition point:	460 - 465°C (860 - 869°F)		
Fuming Sulfuric Acid:			
Flash point:	Not available		
Autoignition point:	Not available		

SECTION 10	STABILITY AND REACTIVITY
Xylene:	
Stability:	Stable.
Reactivity:	May cause explosion in contact with oxidant.
Condition to avoid:	Sunlight, Heat, Open flames, High temperature, Sparks, Static charge, Other ignition sources.
Hazardous decomposition product:	Carbon monoxide may be formed.
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
Xylene:	
Acute toxicity data:	LCLo: (ihl, human): 6125ppm/12Hmg/kg(RTECS) LDLo: (orl, rat): 5000mg/kg(RTECS) LD50: (ip, mouse): 1364mg/kg(RTECS)
Irritation data:	Skin; rabbit; 500mg/24H; Moderate Eye; rabbit; 5mg/24H; Severe
Chronic toxicity/ Long-term toxicity:	The substance may have effects on the central nervous system, resulting in headache, insomnia or excitation.
Mutagenicity:	DNA; inhibition; human; lymphocyte; 320mmol/L
Carcinogen:	IARC: Unclassifiable as to carcinogenicity in humans (Group 3) ACGIH: Not Classifiable as a human Carcinogen (A4)
Fuming sulfuric acid:	
Acute toxicity data:	LC50 (ihl, rat): 347ppm/1H (RTECS)
Irritation data:	as Sulfuric acid; Eye; rabbit; 250 μ g; severe (RTECS)
Chronic toxicity / Long-term toxicity:	Not available
Mutagenicity:	IARC: Human carcinogen (Group 1) ACGIH: as Sulfuric acid; Suspected human carcinogen (A2)
Carcinogen:	LC50 (ihl, rat): 347ppm/1H (RTECS)
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**

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.