

Technical Information
Material Safety Data Sheet

SDT-2H_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			
6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan			
REFERENCE NUMBER		DATE PREPARED	
SDT-2H04E		August 28, 2004	
PRODUCT NAME	Gas Detector Tube Carbon Dioxide Tube No.2H		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Porous Silica Gel (0.8 g) impregnated with Hydrazine Hydrate (5-10%) 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	
Hydrazine Hydrate:			
Flash point:	96°C (COC)		
Autoignition point:	Not available		

SECTION 10	STABILITY AND REACTIVITY
Hydrazine Hydrate:	
Stability:	Stable. (May cause explosion when heated)
Reactivity:	Not available
Condition to avoid:	Sunlight, Heat, Open flames, High temperature, Sparks, Static charge, Other ignition sources
Hazardous decomposition product:	Nitrogen oxide may be formed.
SECTION 11	TOXICOLOGICAL INFORMATION
Hydrazine Hydrate:	
Acute toxicity data:	LD50: (orl, cavy): 40mg/kg LD50: (iv, rabbit): 25mg/kg
Irritation data:	Not available
Mutagenicity:	Hydrazine anhydrate: Approved existing chemical substances (Ministry of Labor 341,1994) Mutagenicity test in microorganisms: Ratio activated value 5.2 x 10 ⁴ revertants/mg Chromosomal aberration test in mammalian cultured cell: D20, 0.074mg
Carcinogen:	EPA: Probably human carcinogen (B2) NTP: Human carcinogen (R) IARC: Possibility human carcinogen (Group 2B) ACGIH: Animal carcinogen (A3) JSOH: Possibility human carcinogen (Group 2B) (no sufficient basis)
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