

Technical Information
Material Safety Data Sheet

SDT-2A_02E

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-2A_02E		September 16, 2005	
PRODUCT NAME	Gas Detector Tube Carbon Dioxide Detector Tube No.2A		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Porous Silica Gel (0.6 g) impregnated with Potassium Hydroxide (<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	
Potassium Hydroxide:			
Flash point:	Not available		
Autoignition point:	Not available		

SECTION 10 STABILITY AND REACTIVITY

Potassium Hydroxide:
Stability: Soluble. Strong alkaline and absorb carbon dioxide in air.
Reactivity: React with acids to produce salt.
Aqueous solution corrode metals such as aluminum, Tin or zinc and emit hydrogen gas mix with air and may cause explosion.
Condition to avoid: Moisture, Heat, Sunlight, Carbon dioxide
Hazardous decomposition product: Not available

SECTION 11 TOXICOLOGICAL INFORMATION

Potassium Hydroxide:
Acute toxicity data: LD50: (orl, rat): 273mg/kg (RTECS)
Irritation data: Eye; rabbit; 1mg/24H; Moderate (RTECS)
Skin; rabbit; 50mg/24H; severe (RTECS)
Chronic toxicity/ Long-term toxicity: Repetition or long term skin contact may cause dermatitides.
Mutagenicity: Chromosomal aberration test: rat; ascites tumor; 1800mg/kg
Carcinogen: Not available

SECTION 12 ECOLOGICAL INFORMATION

Potassium Hydroxide:
Ecotoxicity/fish toxicity: May have a harmful effect on aquatic organisms since strong alkaline.

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