

Technical Information
Material Safety Data Sheet

SDT-152L_01E

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-152L_01E		May 30, 2008	
PRODUCT NAME	Gas Detector Tube Methyl Ethyl Ketone Tube No.152L		
SECTION 2		COMPOSITION/INFORMATION ON INGREDIENTS	
Pretreatment Tube: Porous Silica Gel (0.2g) impregnated with Potassium Hydroxide (<5%) and Sodium Hydroxide (<5%) in a glass tube.			
Detector Tube: Porous Silica Gel (0.6g) impregnated with Hydroxylamine Phosphate (<0.1%) and phosphoric acid (<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	
Potassium Hydroxide, Sodium 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
Sodium Hydroxide:	
Stability:	Stable. Soluble. Strong alkaline and absorb carbon dioxide in air.
Reactivity:	Reacts with Acids to create Sodium Chloride. Aqueous solution corrode metals such as aluminum, Tin or zinc and emit hydrogen gas mix with air and may cause explosion.
Condition to avoid:	Heat, Sunlight, Acids
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
Sodium Hydroxide:	
Acute toxicity data:	LD50: (ip, mouse): 40mg/kg LD50: (orl, rabbit): 500mg/kg
Irritation data:	Eye; rabbit; 50µg/24H; severe Skin; rabbit; 500mg/24H; severe
Chronic toxicity/Long-term toxicity:	Repetition or long term skin contact may cause dermatitides.
Mutagenicity:	Chromosomal aberration test: locust; intravenous injection; 20mg
Carcinogen:	Not available

SECTION 12 **ECOLOGICAL INFORMATION**

Potassium Hydroxide, Sodium 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