Technical Information
Material Safety Data Sheet

SDT-148_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	**DATE PREPARED**
SDT-148_04E	April 16, 2009

PRODUCT NAME Gas Detector Tube
Isoamyl Acetate Detector Tube No. 148

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Porous Silica Gel (0.7g) impregnated with Sulfuric Acid (<5-10%), Potassium Hydroxide (<1%), Sodium Hydroxide (<1%), phosphoric acid (<1%) and Chromic Anhydride (<0.1%) 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

Sulfuric Acid:

Flash point:	Not available
Autoignition point:	Not available

SECTION 10	STABILITY AND REACTIVITY
Sulfuric Acid:	
Stability:	Stable. Absorb moisture powerfully from the air.
Reactivity:	React violently with water to evolve heat and may spatter. Bite into metals and concrete caused by oxidation. Carbonize to flammable organic materials.
Condition to avoid:	Sunlight, Heat, Moisture
Material to avoid:	Organic materials, Reducing agents, Metals
Hazardous decomposition product:	Sulfur oxides may be formed

SECTION 11	TOXICOLOGICAL INFORMATION
Sulfuric Acid:	
Acute toxicity data:	LD50 (orl, rat): 2140mg/kg LC50 (ihl, cavy): 18mg/m3
Irritation data:	Eye; rabbit; 1380μg; severe
Mutagenicity:	Not available
Carcinogen:	Not available

SECTION 12	ECOLOGICAL INFORMATION
	Not applicable

SECTION 13	DISPOSAL CONSIDERATION
	This tube contains 0.23mg of hexavalent chromium. 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.