

Technical Information
Material Safety Data Sheet

SDT-4HT_04E

SECTION 1

MANUFACTURE'S NAME
GASTEC CORPORATION

TELEPHONE NUMBER
+81-467-79-3910

FACSIMILE NUMBER
+81-467-79-3979

ADDRESS

6431 Fukaya, Ayase-City, Kanagawa 252-1103, Japan

REFERENCE NUMBER
SDT-4HT_04E

DATE PREPARED
September 16, 2005

PRODUCT NAME

Gas Detector Tube
Hydrogen Sulfide Detector Tube No. 4HT

SECTION 2

TYPICAL COMPOSITION

Porous Silica Gel (0.3 g) impregnated with copper sulfate and 5 hydrates (10-15%) are filled in 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 considered necessary

SECTION 6

ACCIDENTAL RELEASE MEASURES

Not applicable

SECTION 7

HANDLING AND STORAGE

Keep eyes away from detector tubes when breaking off both ends.
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

Copper sulfate, 5 hydrates:

Flash point: Not available

Explosion point: Not available

SECTION 10	STABILITY AND REACTIVITY
	<p>Copper sulfate, 5 hydrates:</p> <p>Stability: Stable (Weathered gradually in the dry air)</p> <p>Reactivity: Not available</p> <p>Condition to avoid: Sunlight, Heat</p> <p>Hazardous decomposition product:: Copper Fume, Sulfurous acid gas, Sulfur oxides</p>
SECTION 11	TOXICOLOGICAL INFORMATION
	<p>Copper sulfate, 5 hydrates:</p> <p>Acute toxicity data: TDLo (orl, human): 272mg/kg LDLo (orl, human): 1088mg/kg (RTECS) LD50 (orl, rat): 300mg/kg LD50 (skn, rat): >2mg/kg (RTECS) LD50 (ipr, rat): 18.7mg/kg LD50 (orl, mouse): 33mg/kg (RTECS)</p> <p>Irritation data: Not available</p> <p>Mutation data: Not available</p> <p>Tumorigenic data: Not available</p>
SECTION 12	ECOLOGICAL INFORMATION
	Not available
SECTION 13	DISPOSAL CONSIDERATION
	<p>This tube does not include any hazardous materials.</p> <p>Dispose of in accordance with all applicable laws and regulations.</p>
SECTION 14	TRANSPORT INFORMATION
	Breakage of tubes caused by drop, high pressure, bend should be avoided.
SECTION 15	REGULATORY INFORMATION
	Not applicable
SECTION 16	OTHER INFORMATION
	Not available