

Technical Information
Material Safety Data Sheet

SDT-121SP_04E

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| 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-121SP_04 | | April 16, 2009 | |
| PRODUCT NAME | Gas Detector Tube Benzene Detector Tube No.121SP | | |
| SECTION 2 | | COMPOSITION/INFORMATION ON INGREDIENTS | |
| Pretreatment Tube: Porous Silica Gel (0.5g) impregnated with Sulfuric Acid (15-25%) and Paraformaldehyde (<1%) in a glass tube. Detector Tube: Porous Silica Gel (0.7g) impregnated with Fuming Sulfuric Acid (15-25%) and Paraformaldehyde (<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 | |
| Fuming sulfuric acid, Sulfuric acid: | | | |
| Flash point: | Not available | | |
| Autoignition point: | Not available | | |

SECTION 10 STABILITY AND REACTIVITY

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| Fuming sulfuric acid: | |
| Stability: | White smoke poisonous gas (sulfur trioxide) is emitted in air. |
| Reactivity: | React violently with water to evolve heat. Diluted sulfuric acid reacts with metals such as iron to form flammable hydrogen gas may cause fire and explosion. May cause ignition in contact with organic materials. |
| Condition to avoid: | Sunlight, Heat, Moisture |
| Hazardous decomposition product: | Sulfur oxides may be formed. |
| 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

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| Fuming sulfuric acid: | |
| Acute toxicity data: | LC50 (ihl, rat): 347ppm/1H (RTECS) |
| Irritation data: | as Sulfuric acid; Eye; rabbit; 250 μ g; severe (RTECS) |
| Mutagenicity: | Not available |
| Carcinogen: | IARC: Human carcinogen (Group 1) ACGIH: as Sulfuric acid; Suspected human carcinogen (A2) |
| Sulfuric acid | |
| Acute toxicity data: | LD50 (orl, rat): 2140mg/kg LC50 (ihl, cavy): 18mg/m ³ |
| Irritation data: | Eye; rabbit; 1380 μ g; severe |
| Mutagenicity: | Not available |
| Carcinogen: | Not available |

SECTION 12 ECOLOGICAL INFORMATION

Not available

SECTION 13 DISPOSAL CONSIDERATION

This pretreatment tube does not contain any hazardous materials.
This detector 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

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.