

Technical Information
Material Safety Data Sheet

SDT-133L_04E

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| 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 SDT-133L_04E | | DATE PREPARED May 31, 2006 | |
| PRODUCT NAME | Gas Detector Tube Tetrachloroethylene Detector Tube No.133L | | |
| SECTION 2 | | COMPOSITION/INFORMATION ON INGREDIENTS | |
| Porous Silica Gel (1.2g) impregnated with Sulfuric Acid (10-20%) and Lead Dioxide (<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 refrigerator | | | |
| SECTION 8 | | EXPOSURE PROTECTION | |
| Not applicable | | | |
| SECTION 9 | | PHYSICAL AND CHEMICAL PROPERTIES | |
| Lead dioxide, Sulfuric acid: | | | |
| Flash point: | Not available | | |
| Autoignition point: | Not available | | |

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| SECTION 10 | STABILITY AND REACTIVITY |
| Lead dioxide: | |
| Stability: | Stable. Oxygen is emitted when heated. |
| Reactivity: | Not available |
| Condition to avoid: | Sunlight, Heat |
| Hazardous decomposition product: | Lead chloride and trilead tetroxide 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 |
| Lead dioxide: | |
| Acute toxicity data: | LD50 (ip, cavy): 220mg/kg (RTECS) |
| Irritation data: | Not available |
| Mutagenicity: | Not available |
| Carcinogen: | IARC: Possibility human carcinogen (Group 2B) J5OH: Possibility human carcinogen (Group 2B) (no sufficient basis) |
| Sulfuric acid: | |
| Acute toxicity data: | LD50 (orl, rat): 2140mg/kg LC50 (ihl, cavy): 18mg/m ³ |
| Irritation data: | Eye; rabbit; 1380µg; severe |
| Mutagenicity: | Not available |
| Carcinogen: | Not available |
| SECTION 12 | ECOLOGICAL INFORMATION |
| | Not available |
| SECTION 13 | DISPOSAL CONSIDERATION |
| | This tube contains 18.48mg of lead. 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 |