

SAFETY DATA SHEET

| Manufacturer information | | | Company | GASTEC CORPORATION | |
|--|------------|---|----------------------|---|--|
| momation | | | Address | 8-8-6 Fukayanaka, Ayase-city, Kanagawa 252-1195, Japan | |
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| SDS ID | SDS_11S_03 | | Issue date | 31/May/2022 | |
| Product name | | Nitrogen oxides Detector Tube No.11S | | | |
| Hazards identification | | This detector tube, when based on GHS and JIS Z 7252(2019), is corresponded to an article. Under normal use conditions, emits only a small amount of chemical substances, for example, trace amounts of chemical substances, and can be handled as not showing physical and chemical hazards or health hazards to operators. Therefore, this product does not fall under the GHS classification standard. | | | |
| Composition and information on ingredients | | A product made by impregnating alminium oxide(15-25%) and porous silica gels($<10\%$) with chromium(VI) oxide($<0.1\%$), and sealing them in glass tubes. | | | |
| First-aid mea | sures | and see a doctor. Skin: If the filler co plenty of water. Inhalation: Not app | omes into contact wi | nmediately flush with plenty of water for at least 15 minutes ith the skin, immediately wash with soapy water and flush with use the mouth immediately and see a doctor. | |
| Fire fighting measures | | No special measures are needed. | | | |
| Accidental release measures | | If the detector tube is broken, wear appropriate protective equipment to prevent the filler from adhering to or inhaling the skin or eyes. | | | |
| Handling and storage | | Handling | detector tube | Is of the detector tube are broken off to prevent injury, the is moved away from the eye. Do not touch with bare hands ngs, or fillers in the event of breakage of the detector tube. | |
| | | Storage | Store in a cold | d/dark place | |
| Exposure control and protection measures | | Not applicable. | | | |
| Physical and chemical properties | | Appearance: A glass tube filled with reagents and sealed at both ends. Flash point: Not applicable. Ignition point: Not applicable. | | | |
| Stability and reactivity | | Stability: Not applicable. Reactivity: Not applicable. Conditions to avoid: Direct sunlight, high temperature, freezing should be avoided. Hazardous decomposition products: Not applicable. | | | |
| Toxicological information | | Filled material is made by adsorbing a small amount of chemicals to alminium oxide and porous silica gels, and there is no hazard information for this. The following describes the hazards to humans of the chemicals and carries as a pure sobstance. | | | |
| | | Alminium oxide : Acute toxicity : Oral—rat LD5 Dermal—no da | 50:> 5,000 mg/kg | g (IUCLID,2000) | |

| | $eq:linear_line$ | | | |
|---------------------------------|---|--|--|--|
| | Chromium(VI) oxide: Acute toxicity: Oral-rat LD50:52-113mg/kg (EU-RAR,2005) Dermal-rabbit LD50:30mg Cr (VI) /kg (CrO3 equivalent:57.7 mg/kg) (CICAD 78,2013/ATSDR, 2012) Inhalation(dust,mist)-ratLC50(4-h exposure):0.217mg/L (EU-RAR,2005) | | | |
| Ecological information | No data | | | |
| Disposal considerations | This detector tube contains 2.08mg of hexavalent chromium. Should be disposed properly in accordance with local regulations. | | | |
| Transport information | Avoid breakage of the detector tube due to dropping, pressurization, bending, etc. UN number: Not applicable UN Classification: Not applicable IATA: Not applicable Poisonous and Deleterious Substances Control Law: Not applicable Fire Defense Law: Not applicable Marine Regulation Information: Not applicable | | | |
| Japanese regulatory information | Industrial Safety and Health Law: Hazardous substance No.189, 165-2(Article 57-2) | | | |
| Other information | References : Chemical Risk Information Platform (CHRIP): NITE Safety website in the workplace of the Ministry of Health, Labour and Welfare This data sheet is provided to businesses that handle hazardous chemical products as reference information for ensuring safe handling. With reference to this, business operators are requested to understand that they need to take appropriate measures in accordance with the actual conditions of individual handling, etc. at their own responsibility, and then use them. This data sheet is prepared based on JIS Z 7253(2019).The contents of this report have been prepared based on the latest information as of the date of revision, but if new information is obtained, it may be added or corrected. | | | |
| | This data sheet is not a guarantee of safety. | | | |