



SAFETY DATA SHEET

Manufacturer information	Company	GASTEC CORPORATION
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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 aluminium oxide(15-25%) and porous silica gels(<10%) with chromium(VI) oxide(<0.1%), and sealing them in glass tubes.

First-aid measures Eyes: If the filler enters the eye, immediately flush with plenty of water for at least 15 minutes and see a doctor.
Skin: If the filler comes into contact with the skin, immediately wash with soapy water and flush with plenty of water.
Inhalation: Not applicable.
Ingestion: If the filler is swallowed, rinse 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 When the ends of the detector tube are broken off to prevent injury, the detector tube is moved away from the eye. Do not touch with bare hands any cuts, fittings, or fillers in the event of breakage of the detector tube.
Storage Store in a cold/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 aluminium 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 substance.

Aluminium oxide:
Acute toxicity:
Oral—rat LD50:> 5,000 mg/kg (IUCLID,2000)
Dermal—no data

