

# **SAFETY DATA SHEET**

Manufacturer		Company	GASTEC CORPORATION	
information		Address	8-8-6 Fukayanaka, Ayase-city, Kanagawa 252-1195, Japan	
		Telephone	+81-467-79-3910	
		FAX	+81-467-79-3979	
SDS ID SDS_131P_04		Issue date	31/May/2022	
Product name	Vinyl chloride Detector Tube No.131P			
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	Pretreatment tube: A product made by impregnating alminium oxide(<5%) and porous silica gels(<10%) with sulfuric acid(5-15%) and lead(IV) oxide(<5%), and sealing them in glass tubes.  Detector tube: A product made by impregnating porous silica gels(10-20%) with reagent(<0.1%), and sealing them in glass tubes.			
First-aid measures	and see a docto Skin: If the filler plenty of water. Inhalation: Not a	or. comes into contact wit	nediately flush with plenty of water for at least 15 minutes he the skin, immediately wash with soapy water and flush with the mouth immediately and see a doctor.	
Fire fighting measures	No special mea	asures 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 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 LD50:> 5,000 mg/kg (IUCLID,2000)			

Dermal - no data Inhalation(vapor) - no data Inhalation(dust,mist) - no data

## Porous silica gel:

Acute toxicity:

Oral—rat LD50:> 3,160 mg/kg (EPA pesticide,1991),

> 3,300 mg/kg, > 2,000 mg/kg, > 5,000 mg/kg,

> 5,110 mg/kg (ECETOC JACC,2006)(SIDS,2006)

Dermal—rabbit LD50 :> 2,000 mg/kg, > 5,000 mg/kg

(ECETOC JACC ,2006) (SIDS ,2006)

Inhalation(dust,mist) — ratLC50(4-h exposure):

>0.691 mg/L, > 2.22 mg/L,

0.09~0.84 mg/L, 1.65 mg/L (ECETOC JACC,2006) >2.08 mg/L (ECETOC JACC,2006)(SIDS,2006)

### Lead(IV) oxide:

Acute toxicity: Oral - no data Dermal - no data Inhalation - no data

#### Sulfuric acid:

Acute toxicity: Oral—rat LD50: 2140mg/kg (SIDS,2001)

Dermal - no data

Inhalation (dust) — ratLC50(4-h exposure): 0.375mg/L (SIDS,2001)

Ecological information	No data		
Disposal considerations	This detector tube does not contain any hazardous components. Pretreatment tube contains 55.44mg of lead. Should be disposed properly in accordance with local regulations.		
Transport information	Avoid breakage of the detector tube due to dropping, pressurization, bending, etc.		

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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, 411, 613(Article 57 -2)

PRTR: 1-305 Lead

Foreign Exchange and Foreign Trade Law: Goods of export trade control order (row 21-3, appened table 2)

#### References: Other information

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.