



# Safety Data Sheet (SDS)

Creation Date:2021/11/12
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Prepared according to UN GHS (the 9th revised edition)

Product Name: Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2)

Antigen Detection Kit (Colloidal Gold-Based)

Model:1 tests/kit

Company Name: Nanjing Vazyme Medical Technology Co., Ltd.

Written by TJTest Technology (Shanghai) Co., Ltd.

服务专用章
SERVICE SEAL



# 1. Identification of the chemical and supplier

## 1.1 Product identifier

Product Name: Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Antigen Detection Kit (Colloidal Gold-Based)

Product Model: 1 tests/kit

# 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Please consult manufacturer.

Uses advised against: Please consult manufacturer.

# 1.3 Details of the supplier of the Safety Data Sheet

Name of the company: Nanjing Vazyme Medical Technology Co., Ltd.

Address of the company: Bldg. C2, Red Maple Sci-Tech Park, Kechuang Rd., Nanjing, China

**Telephone number:**+86 (0) 17368659180

Fax

number:/

Zip

code:/

**Email** 

address:yangshuhui@vazyme.com

1.4 Emergency phone number: +86 (0) 17368659180

## 2. Hazards identification

# 2.1 Hazard classification according to GHS:

The product is not dangerous and it has no hazardous classification.

#### 2.2 Label elements

Hazard pictograms: None.

Signal word: None.

## 2.3 Hazard statements:

None.

## 2.4 Precautionary statements

#### 2.4.1 Prevention

None.

## 2.4.2 Response

None.

## 2.4.3 Storage

None.

#### 2.4.4 Disposal

None.

## 2.5 Hazard description

## 2.5.1 Physical and chemical hazards

This product is normally used without hazard.

## 2.5.2 Health hazards

None.

## 2.5.3 Environmental hazards

Please refer to 12th chapter of SDS.

# 3. Composition/information on ingredients





Substance Prepation 2		Harris E. H. C. H. C. L.
Component	CAS No.	Concentration (weight%)
Surface active agent	85854-32-6	
Bovine serum albumin	9048-46-8	170mg
Sodium chloride	7647-14-5	153mg
Casein		153mg
Phosphorous salts	9000-71-9	85mg
N protein	10124-56-8	34mg
14 protein	1//	9-12mg/mL

## 4. First aid measures

## 4.1 Description of first aid measuresc

General advice:Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.

Skin contact: Wash off with plenty of water, take off contaminated clothing and shoes immediately.

Eye contact: Wash with running water or saline, Seek medical attention if necessary.

Inhalation: Move to fresh air, Keep the airway open, Seek medical attention if you feel unwell.

Intake: Clean up the mouth, induce vomiting, seek medical attention.

**Protecting of first-aiders:**Ensure that medical personnel are aware of the substance involved. Tak e precautions to protect themselves and prevent spread of contamination.

# 4.2 Indication of any immediate medical attention and special treatment needed

- 1. Treat symptomatically.
- 2. Symptoms may be delayed.

## 5. Firefighting measures

## 5.1 Extinguishing media

- 1. Suitable extinguishing media: Water, alcohol-resistant foam, dry powder, carbon dioxide.
- 2. Unsuitable extinguishing media: No data available

# 5.2 Specific hazards arising from the substance or mixture

1. No data available.

## 5.3 Advice for firefighters

- 1. As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
  - 2. Fight fire from a safe distance, with adequate cover.
  - 3. Prevent fire extinguishing water from contaminating surface water or the ground water system.

## 6. Accidental release measures

# 6.1 Personal precautions, protective equipment and emergency procedures

- 1. Emergency personnel wear positive pressure self-contained breathing apparatus. Wear protective and anti-static clothing. Wear chemical impermeable gloves.
- 2. Ensure adequate ventilation. Remove all sources of ignition.
- 3. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
- 4. Use personal protective equipment. Avoid breathing vapours, mist, gas or dust.

## 6.2 Environmental precautions

1. Discharge into the environment must be avoided.



# 6.3 Methods and materials for containment and cleaning up

- 1 Adhered or collected material should be promptly disposed of,in accordance with appropriate laws and regulations.
  - 2. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment.

# 7. Handling and storage

## 7.1 Precautions for handling

- 1. Closed operation, full ventilation.
- 2. Operators must be specially trained to strictly abide by the operating procedures.
- 3. It is recommended that operators wear self-priming filter dust masks and chemical safety glasses.
- 4. Keep away from fire, heat, and smoking in the workplace.
- 5. Use explosion-proof ventilation systems and equipment.

## 7.2 Precautions for storage

- 1. Store in a cool, ventilated warehouse.
- 2. Keep away from fire and heat.
- 3. It should be stored separately from oxidants, reducing agents, halogens, etc., and should not be mixed.

# 8. Exposure controls/personal protection

## 8.1 Control Parameters

# 8.1.1 Occupational exposure limits

Occupational Exposure limit values

Component	Country/Region	Limit value	e - Eight hours	Limit value - Short tern		
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
	USA - OSHA	Unspecified	Unspecified	Unspecified	Unspecified	
	South Korea	Unspecified	Unspecified	Unspecified	Unspecified	
All components	Ireland	Unspecified	Unspecified	Unspecified	Unspecified	
p oxiding	Germany(AGS)	Unspecified	Unspecified	Unspecified	Unspecified	
	Denmark	Unspecified	Unspecified	Unspecified	Unspecified	
Aı	Australia	Unspecified	Unspecified	Unspecified	Unspecified	

## 8.1.2 Biological limit values

Biological limit values: No information available

## 8.1.3 Monitoring methods

- 1. EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
- 2、BZ/T 160.1~GBZ/T 160.81-2004 Determination of toxic substances in workplace air (Series standard).

## 8.2 Engineering controls

- 1. Ensure adequate ventilation, especially in confined areas.
- 2. Ensure that eyewash stations and safety showers are close to the workstation location.
- 3. Use explosion-proof electrical/ventilating/lighting/equipment.
- 4. Set up emergency exit and necessary risk-elimination area.

# 8.3 Personal protection equipment

## General requirement:





Eye protection: Wear ordinary goggles.

Hand protection: Wear ordinary protective gloves.

Respiratory protection: Wear ordinary protective masks.

Skin and body protection: Wear ordinary protective clothing.

Other protection: Smoking, eating and drinking are forbidden on the job site. Maintain good hygiene habits.

# 9. Physical and chemical properties

**Appearance:**Blue and white paper box(containing white plastic testing board and colorless transparent liquid).

Odor: Weak odor.

Odor threshold: No data available.

PH value: No data available.

Melting point/freezing point (°C): No data available.

Initial boiling point and boiling range (°C): No data available.

Flash point (closed cup, °C) : No data available.

Evaporation rate: No data available.

Flammability (solid or gas): Non-flammable.

Explosion upper/lower limit [%(v/v)]:No data available.

Vapor pressure (kPa) : No data available.

Vapor density (air = 1): No data available.

Relative density (water = 1): No data available.

Solubility (mg/L): No data available.

Octanol/water partition coefficient: No data available.

Auto-ignition temperature (°C) : No data available.

Decomposition temperature (°C): No data available.

Viscosity: No data available.

Others: Resistance value: No data available.

## 10. Stability and Reactivity

Reactivity: Contact with incompatible materials can cause decomposition or other chemical reactions.

Chemical stability: Stable under the correct conditions of use and storage.

Possibility of hazardous reactions: No data available.

Conditions to avoid: Electrostatic discharge, heat, humidity, etc.

Incompatible materials: Strong oxides, strong acids, strong bases.

Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11. Toxicological information

11.1 Acute	toxicity
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Component	LD <sub>50</sub> (Oral)	LD <sub>50</sub> (Transcutaneous)	I Cod (Inhalation 4h)
Postone	ED30(OTal)	LD50(Transcutaneous)	LC <sub>50</sub> (Inhalation, 4h)



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1 /. 1	-	1	- / (	131	HH.

All components	Not available	27	1211112030F
11.2 Carcinogenici		Not available	Not available
Componer		IARC	BIGUE
All componer	nts		NTP
11 2 Oth		Not Listed	Not Listed

11.3 Others

T					ure	expos ure			4.15
Not		Not	Not	Not	Not	Not	Not	Not	Not
ble						availa	availa	availa	availa
18	aila	aila availa	aila availa availa	aila availa availa availa	aila availa availa availa availa	aila availa availa availa availa availa	ot Not Not Not Not Not Not aila availa availa availa availa	ot Not Not Not Not Not Not Not availa availa availa availa availa availa availa	ot Not Not Not Not Not Not Not Not aila availa availa availa availa availa availa availa availa

# 12. Ecological information

12.1 Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	Algae
2.2 Chronic aquat		Not available	Not available

12.2 Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
All components	Not available	Not available	0
2.3 Others		1 tot available	Not available

12.3 Others

Component	Persistence and degradability	Bioaccumulatio n or bioaccumulation	Soil mobility	Evaluation of PBT and vPvB results
All components	Not available	Not available	Not available	Not available

# 13. Disposal considerations

Disposal considerations: Recycle as much as possible.

Waste chemicals: Contaminated packaging: Residual hazards may still exist after the contents of the packaging are emptied. Keep away from heat and sources of ignition. If possible, recycle them to the supplier for recycling.

Disposal considerations: Refer to the "Disposal" section.

# 14. Transportation information

Suggestion according to IATA DGR, the substance is not subject to IATA DGR. United Nations Dangerous Goods Number (UN No.): The product is not dangerous.





UN proper shipping name: None

UN Risk Classification: None

Packing Category: None

Packaging label: None

Marine Pollutants (Yes/No):No

Packing method: Pack according to the manufacturer's recommendations.

Transportation Note: No data available.

# 15. Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECL	AICS
Surface active agent	Not	Not	Not	Not	Not	Not		
	Listed	Listed	Listed	Listed	Listed	Listed	Not Listed	Not
Bovine serum albumin	Listed	Listed						
Sodium chloride	Listed	Listed	Listed	Listed	Listed	Listed		
Casein	Listed	Listed	Listed	Listed	Listed	Listed	Listed Listed	Listed
Phosphorous salts	Listed	Listed						
N protein  [EINECS] European	N.A	N.A	N.A	NA	N.A	N.A	N.A	Listed N.A

【EINECS】 European Inventory of Existing Commercial Chemical Substances

【TSCA】 United States Toxic Substances Control Act Inventory

【DSL】 Canadian Domestic Substances List

【IECSC】 China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

【PICCS】 Philippines Inventory of Chemicals and Chemical Substances

【KECL】Korea Existing Chemical List

【AICS】 Australia Inventory of Chemical Substances

## 16. Others

#### 16.1 Reference:

- [1] IPCS:The International Chemical Safety Cards (ICSC), website: http://www.ilo.org
- [2] IARC, website: http://www.iarc.fr
- [3] OECD: The Global Portal to Information on Chemical Substances, website: http://www.eche mportal.org
  - [4] CAMEO Chemicals, website: http://cameochemicals.noaa.gov
  - [5] NLM:ChemIDplus,website:http://chem.sis.nlm.nih.gov
  - [6] EPA:Integrated Risk Information System, website: http://cfpub.epa.gov
  - [7] U.S. Department of Transportation:ERG,website:http://www.phmsa.dot.gov
  - [8] Germany GESTIS-database on hazard substance, website: http://gestis-en.itrust.de

#### 16.2 Others:

## 1. Abbreviations and acronyms

CAS-Chemical Abstracts Service

PC-STEL- Short term exposure limit

DNEL-Derived No Effect Level



RPE-Respiratory Protective Equipment

LC50-Lethal Concentration 50%

NOEC-No Observed Effect Concentration

PBT-Persistent, Bioaccumulative, Toxic

BCF-Bioconcentration factor (BCF)

IMDG-International Maritime Dangerous Goods

**UN-The United Nations** 

NFPA-National Fire Protection Association

CMR-Carcinogens, mutagens or substances toxic to reproduction

PC-TWA -Time Weighted Average

IARC-International Agency for Research on Cancer

PNEC-Predicted No Effect Concentration

LD50-Lethal Dose 50%

EC50-Effective Concentration 50%

POW-Partition coefficient Octanol: Water

vPvB-very Persistent, very Bioaccumulative

ICAO/IATA-InternationalCivil Aviation Organization/International Air Transportation Association

ACGIH-American Conference of Governmental Industrial Hygienists

OECD-Organization for Economic Co-operation and Development

#### 2. Disclaimer

This Safety Data Sheet (SDS) was prepared according to UN GHS (the 9th revised edition). The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

SDS Effective Date: 2021/09/02 (Valid in the year)

