

**** MATERIAL SAFETY DATA SHEET ****



1. Item and vendor information

Item identification

Item Name: COVID-19 Antigen Rapid Test Strip

Suggested use: The Product is used for diagnosis of Coronavirus Disease 19(COVID-19).

Model: 1Test/Kit; 25Tests/Kit

Manufacturer or supplier name

Company name: Koch Biotechnology(Beijing) Co., Ltd

Address: No.16,Chunlin street, Daxing District, Beijing, China

Emergency contact number / Fax telephone: +86 (10) 6125 0336

2. Hazard identification data

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

Risk Phrases: None

3. Identification data

CAS#	Chemical Name	Concentration
7778-77-0	KH ₂ PO ₄	2mM
7558-79-4	Na ₂ HPQ ₄	8mM
7647-14-5	NaCl	136mM
7447-40-7	KCl	2.6mM
9002-86-2	PVC	--
9004-70-0	Nitrocellulose membrane	--
65997-17-3	Glass fiber	--

4. First-aid

After skin contact: Rinse immediately with soap and plenty of water.

After eye contact: Open eyelids, Rinse with plenty of water.

After swallowing: Follow the doctor's advice

5. Firefighting measures

Applicable fire extinguishing agent: AFFF Alcohol compatible foam, Carbon dioxide or water spray (fog) stored in nearby places.

Special hazards that may be encountered during firefighting: Non-flammable. Surrounding fire sources may cause the release of hazardous vapors.

Special protective equipment for firefighters: Persons not wearing personal breathing apparatus are not allowed to enter the dangerous area. Keep a safe distance and wear appropriate protective clothing, Avoid skin contact.



Other data: Not applicable.

6. Leak handling method

Personal attention: Avoid skin contact, long-term contact has a certain corrosive effect on the skin. Avoid long-term metal contact, which will corrode the metal. Confirm that fresh air is provided in the confined space.

Environmental precautions: The diluted solution is not harmful to the environment.

Methods for cleaning up: Discard. Clean up the affected area.

7. Safe handling and storage methods

Disposal: No further need.

Storage: tightly closed. dry. Open to use, avoid exposure to air. Long-term exposure to the air will cause the PH value to drop.

Storage temperature: 2-30°C.

8. Exposure precautions

Respiratory protection: No breathing protection is required. For protection against dust damage, please use N95 (US) or P1 (EN143) dust masks. Respirators use respirators and parts that have been tested and passed government standards such as NIOSH (US) or CEN (EU).

Eye protection: Use appropriate protection-safety glasses are the minimum requirement.

Hand protection: No special protection is required.

Other protective equipment: Appropriate protective clothing.

Hygiene measures: Carry out good industrial hygiene measures, please clean after operation, especially before eating, drinking or smoking.

9. Physical and chemical properties

Material state: Solid Powder

Color: White

Odor: tasteless pH: 6.3-6.8

Melting point: No data

Boiling point/boiling point range 100°C

Auto-ignition temperature: No data

Flash point: No data

Explosion limit

Lower limit :No data

Upper limit: no data

Density (4°C, pure water) : 1.1-1.2

Overall density: No data

Solubility: no data

10. Stability and reactivity

Conditions to avoid no

Thermal stability Stable under normal use conditions.

Substances to avoid: No data

Hazardous decomposition products: No data provided



Decomposition products: No data

11. Toxicity data

11.1 Exposure route Inhale Skin contact and accidental swallowing:

11.2 Effects and symptoms of overexposure Under normal use, no significant adverse effects.

11.3 Acute toxicity No data

Eye: Direct contact may cause temporary redness and discomfort.

Skin: No effect, just rinse with water.

Ingestion: May cause discomfort.

Inhale: Won't have a big impact.

11.4 Chronic toxicity

Skin: Just rinse with water.

Ingestion: Repeated or large intake may cause internal damage.

Inhale: No suitable information.

11.5 Other health hazard information No suitable information.

Other Information

This product is a sterile product, do not unpack or use this product in a non-sterile environment.

12. Ecological Information

12.1 Aquatic and terrestrial ecotoxicity

Ecotoxicity effect:

Acute effects: No harm to freshwater organisms.

Chronic effects: No harm to freshwater organisms.

Fishes: No data

Invertebrates: No data

Bacterial: No data

Algae: No data

Opinions on wastewater treatment plants: No harmful effects on bacteria.

BOD: 0.21mg O₂/g is product.

COD: 0.1841mg O₂/g is product.

12.2 Persistence and degradability

Degradability: No impact on the environment.

Biodegradability: No data

12.3 Bioaccumulation potential

Bioaccumulation: No bioaccumulation capacity.

12.4 Mobility in the soil No data.

12.5 Further environmental supplementary information: No specific information.

13. Disposal methods

Disposal methods: Dispose of in accordance with local regulations.

Package: Dispose of in accordance with local regulations.

14. Shipping information

14.1 Road and rail transportation: Not applicable.

14.2 By sea (IMDG): Not an IMDG code.

14.3 Air Freight (IATA): Not under IATA regulations.

14.4 Special requirements and other information: No.

15. Regulatory information

15.1 Applicable regulations: Regulations on the Safe Use of Chemicals in the Workplace [(1996) Labor Department Fa No. 423]

Regulations on the Safety Management of Hazardous Chemicals [Promulgated by the State Council on February 1, 2002]

Detailed Rules for the Implementation of the Regulations on the Safety Management of Chemical Dangerous Goods [Hua Laofa (1992) No. 667]

General Rules for Classification and Hazard Publicity of Chemicals [GB 13690-2009]

15.2 Chemical inventory

AICS: All components are listed or exempted.

DSL: All the chemical components in this article are listed in the DSL chemical substance list or obtained DSLization

Exemption from the list of scientific substances.

IECSC: All components are listed or exempted.

EINECS: All components are listed or exempted.

KECL: All ingredients are listed, exempted or announced.

PICCS: All components are listed or exempted.

TSCA: All chemical components in this article are listed in the TSCA Chemical Substance List or obtained TSCA

Exemption from the inventory of chemical substances.

ENCs/ISHL: Some ingredients are not listed in ENCS or not yet confirmed by

ENCs.HSNO: All components are listed or exempted.

16. Other data

Country representative:

Koch Biotechnology(Beijing) Co.,Ltd

No.16,Chunlin street, Daxing District, Beijing, China

Enterprise City Zip Code: 102600



"The data here is written based on our existing knowledge. It provides the correct safety precautions for the drug, but it does not represent a guarantee for the nature of the drug. Users should judge their availability based on application requirements. No.16,Chunlin street, Daxing District, Beijing, China does not bear any legal responsibility".