

MATERIAL SAFETY DATA SHEET**SECTION 1 IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY****Product name:** SARS-CoV-2/Flu A+B/RSV Antigen Rapid Test**Brand:** Hightop**Manufacturer:** Qingdao Hightop Biotech Co., Ltd.**SECTION 2 HAZARDS IDENTIFICATION****Hazard classification according to GHS:**

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)

Hazard classes and hazard categories	Hazard statements
Acute toxicity, category 4, oral	H302
Eye irritation, category 2	H319

Labeling of hazard pictograms:**Signal word:** Warning.

Hazard statements	
H302	Harmful if swallowed.
H319	Causes serious eye irritation.

Precautionary statements	
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor/.../if you feel unwell.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC)

None/none

SECTION 3 COMPOSITION / INFORMATION ON THE INGREDIENTS**Chemical characterization:** Substances**Test cassette:** No hazardous substances or mixtures**Diluent:** List of ingredients as follows

Component	CAS #	Hazard classes and hazard categories	% W/W
Water	7732-18-5	N/A	>95%
Tris	77-86-1	N/A	<1%
HCl	109103-97-1	N/A	<0.01%
NaCl	7647-14-5	N/A	<1%
TritonX-100	9002-93-1	Acute toxicity, category 4, oral ;H302 Eye irritation, category 2;H319	<1%
Casein	9000-71-9	N/A	<1%

The unit does not contain any human source material.

SECTION 4 FIRST AID MEASURES

Description of first aid measures:

General note: Immediate medical attention is required. Show this safety data sheet (SDS) to the attending physician.

Inhalation: Call a POISON CENTER/doctor. Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Ingestion: If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Give nothing to eat or drink.

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

Eye contact: Wash off with running water or saline solution, consult a doctor if necessary.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media: Water, carbon dioxide, multi-purpose dry chemical or halon fire extinguisher.

Unusual Fire and Explosion Hazards: The nitrocellulose membrane is classified as a combustible solid. Keep away from excessive heat, fire, or flame.

Special protective equipment for the fire brigade: Wear self-contained breathing apparatus for fire fighting if necessary.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment and Emergency Procedures: Take reasonable precautions to minimise exposure through the use of appropriate personal protective equipment. Turn off all sources of ignition.

Environmental Precautions: Prevent further leakage or spillage if it is safe to do so. Avoid leaking into the environment.

Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, acid binders, universal binders, sawdust) and remove.

SECTION 7 HANDLING AND STORAGE

Handling precautions: Avoid contact between test area and skin, eyes, or clothing. Wash thoroughly after use.

Information to protect against explosion and fire: This product is not flammable

Storage precautions: Store at 4 - 30°C in the original sealed packaging.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTIVE EQUIPMENT

Occupational Exposure Limits: There are no set exposure limits for this product or any of its ingredients.

General protective and hygiene measures: Keep away from food, drink and animal feed. Immediately remove soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin. Follow standard biosecurity practices for handling potentially infectious materials.

Engineering controls: Minimize any expected skin and eye contact with the test strip.

Eye protection: Face protection and safety glasses

Respiratory protection: Inhalation not intended if used as directed. Respiratory protection not required.

Skin protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron, or coveralls, to avoid skin contact.

Hand protection: Wear protective gloves (e.g. butyl rubber) that pass the tests according to EN 374 (EU), USF739 or AS / NZS 2161.1.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color, smell: Flat, white plastic housing with a white, narrow one

Membrane test strips: Odorless

pH: No data available

Boiling point: No data available

Melting point: No data available

Flash point: 200 °C (nitrocellulose membrane)

Ignition temperature: No data available

Low explosion limit: No data available

High explosion limit: No data available

Vapour Pressure (kPa): No data available

Vapour density (air = 1): No data available

Relative density (water = 1): No data available

Solubility (mg / L): No data available.

N-octanol / water partition coefficient: No data available

Auto-ignition Temperature (°C): No data available

Decomposition temperature (°C): No data available

The viscosity: No data available

Others/Resistance Value: No data available

SECTION 10 STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

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

Hazardous decomposition products: Hazardous decomposition products should not be formed under normal storage and use conditions.

Conditions to Avoid: Excess heat, direct sunlight (nitrocellulose)

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity (LD / LC50 values that are relevant for classification): No data available

Sensitization: No data available

Chronic toxicity (target organ effects): No data available

Reproductive and developmental toxicity: No data available

Carcinogenicity: No component of this product present in amounts greater than or equal to 0.1% is recognized by the IARC as probable, possible, or confirmed human carcinogen identified.

Possible health effects:

Inhalation: No data available

Ingestion: Toxic if swallowed.

Skin: Toxic when absorbed through the skin. May cause skin irritation.

Eyes: May cause eye irritation.

SECTION 12 Ecological information

Toxicity: No data available

Bioaccumulation potential: No data available

Mobility on the ground: No data available

Persistence and degradability: No data available

Ecotoxicity effects: No data available

Further information on ecology: No data available

Other harmful effects: No data available

SECTION 13 DISPOSAL CONSIDERATIONS

Appropriate disposal/Product: Dispose according to legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: No data available

Appropriate disposal/Package: Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

Additional information: No data available

SECTION 14 TRANSPORT INFORMATION

Land transport (DOT): No dangerous goods

Air transport (IMDG): No dangerous goods

Sea transport (ICAO-TI / IATA-DGR): No dangerous goods

SECTION 15 REGULATORY INFORMATION

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

SECTION 16 OTHER

The information above is believed to be correct, but is not intended to be exhaustive and is for use only as a guide.

The information in this document is based on the current state of our knowledge and can be applied to the product, taking appropriate safety precautions into account.