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## MATERIAL SAFETY DATA SHEETS

<b>Catalog Number:</b>	W196
<b>Product Name:</b>	Wondfo SARS-CoV-2 Antigen Test (Lateral Flow Method)

**This document contains MSDS for the following kit components:**

<b>Pages</b>	<b>Component Name:</b>
2-6	Detection Buffer

**Note:**

Wondfo SARS-CoV-2 Antigen Test (Lateral Flow Method) is a kit and does not require an MSDS.

# Material Safety Data Sheet

according to 1907/2006/EC, Article 31

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## 1. Identification of Substance:

**Product Name:** Wondfo SARS-CoV-2 Antigen Test (Lateral Flow Method) detection buffer

**Application of the Substance / the Preparation:** Component of Wondfo SARS-CoV-2 Antigen Test (Lateral Flow Method) (catalog # W196). For use in the qualitative detection of SARS-CoV-2 antigen in human nasopharyngeal swab or oropharyngeal swab specimen. For *in vitro* diagnostic use only. For professional use only.

**Supplier:**

**Guangzhou Wondfo Biotech Co., Ltd.**

No. 8 Lizhishan Road, Science City,

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510663 Guangzhou, P.R.China

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**Emergency Information:** [sales@wondfo.com.cn](mailto:sales@wondfo.com.cn)

## 2. Hazards Identification

**Information Pertaining to Particular Dangers for Man and Environment:**

The preparation is not classified as dangerous according to Directive 1272/2008/EC.

**Classification System:**

The classification is in line with current EC (European Community)-directives. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

## 3. Composition/Information on Ingredients

**Chemical Characterization**

**Description:**

In vitro diagnostic reagent. Aqueous preparation. The buffer contains:

Per 1000mL buffer containing

0.1M Tris-Hcl

0.5% Tween-20

8.5g NaCl

0.02% proclin 300 as preservative

**Product Use:** *in vitro* diagnostic use only

**Dangerous Components:**

The preparation does not contain reportable quantities of hazardous components.

## 4. First Aid Measure

**General Information:**

If signs of infection occur, seek medical attention.

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Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

## **Inhalation:**

If inhaled, move from exposure area to fresh air. Seek medical attention if breathing becomes difficult or if cough or other symptoms develop.

## **Eye Contact:**

Immediately flush eyes with plenty of tepid water for 15 minutes while separating eyelids with fingers. Remove contact lenses if worn. Obtain medical attention if needed or if symptoms, such as redness or irritation persist.

## **Skin Contact:**

In case of contact, immediately flush skin with cool water and remove contaminated clothing. Obtain medical attention if needed or if irritation or other symptoms develop.

## **Ingestion:**

In case of ingestion, please gargle, vomiting is forbidden. Contact a poison control center or physician for instructions if feel uncomfortable.

## **5. Fire-fighting Measures**

### **Flammable Properties:**

Dilute aqueous solution not considered a fire hazard.

### **Suitable Extinguishing Media:**

Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.

### **Unsuitable Extinguishing Media:**

Unknown.

### **Specific Hazards Arising from the Chemical:**

When heated to decomposition, may product carbon oxides, nitrogen oxides(NO<sub>x</sub>), sulfur oxides, hydrogen chloride gas.

### **Standard Protective Equipment and Precautions for Firefighters:**

Wear self-contained breathing apparatus for firefighting if necessary.

## **6. Accidental Release Measures**

### **Personal Precautions:**

Wear Personal Protective Equipment (PPE) as indicated in Section 8. Avoid physical contact with material. Wash hands thoroughly after handling.

### **Environmental Precautions:**

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This preparation contains a small amount of proclin 300 which is toxic to aquatic life. Do not let product enter drains. Discharge into the environment must be avoided.

## Methods and Materials for Containment and Clean-Up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

## Reference to other sections

For disposal see section 13.

## 7. Handling and Storage

### Handling:

Minimize contact and contamination of personal clothing and skin. Wash hands thoroughly after handling.

### Storage:

Store at 2°C ~ 30°C. See Section 10.

## 8. Exposure Controls/Personal Protection

### Components with Limit Values that Require Monitoring at the Workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored in the workplace.

**Additional information:** The lists that were valid during the compilation were used as basis.

### Personal Protective Equipment (PPE):

#### General Protective and Hygienic Measures:

Adhere to good laboratory practices (GLP).

Wash hands during breaks and at the end of the work.

#### Breathing Equipment:

Not necessary, if room is well-ventilated.

Take precautions, if chemical concentrations exceed the exposure limits (if any) listed above.

#### Protection of Hands:

The gloves serve to protect the user against splashes. For safety reasons they should be changed immediately after wetting.

Since the product is in fact a preparation out of several substances, no specific information can be given on the permeation breakthrough time. The choice of suitable gloves depends not only on the material, but also on other quality features and must, therefore, be checked with the respective manufacturer. As far as we know, disposable gloves, among other things out of nitriles, are suitable. Nevertheless, this recommendation is not intended to replace a suitability test, which is essential and must be carried out under the respective conditions of use.

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**Eye Protection:** Safety glasses recommended during refilling.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Clear, colorless liquid	<b>pH:</b>	8.0 (approximate)
<b>Odor:</b>	Not available	<b>Solubility:</b>	Water-soluble
<b>Specific Gravity:</b>	Not available	<b>Vapor Pressure:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Partition Coefficient</b>	Not available
		(n-octanol/water):	
<b>Melting Point:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Freezing Point:</b>	Not available	<b>Chemical Family:</b>	Alkaline solution
<b>Flammability/Explosivity Limits in Air,</b>		<b>Not available</b>	
<b>Lower:</b>			
<b>Flammability/Explosivity Limits in Air,</b>		<b>Not available</b>	
<b>Upper:</b>			
<b>Auto-Ignition Temperature:</b>		<b>Not available</b>	
<b>Flash Point:</b>		<b>Not available</b>	

## 10. Stability and Reactivity

**Chemical Stability:** Stable under ordinary conditions of use and storage. See Section 7.

**Material to be Avoid:** No data about it.

**Hazardous Reaction:** No data about it.

**Hazardous Decomposition Products:** When heated to decomposition, may product carbon oxides, nitrogen oxides (NO<sub>x</sub>), sulfur oxides, hydrogen chloride gas. See section 5.

## 11. Toxicological Information

**Acute Toxicity:** Quantitative data on the toxic effects of this product is not available.

**Primary Irritant Effect:**

- **After Skin Contact:** No irritating effects anticipated.
- **After Eye Contact:** No irritating effects anticipated.
- **After Ingestion:** Possible systemic effects following ingestion of substantial quantities: headache, dizziness, nausea, vomiting, CNS disorders, drop in blood pressure, cardiovascular failure, collapse.
- **Sensitization:** No sensitizing effect known.

## 12. Ecological Information

- **General Notes:** Generally not hazardous for water.

## 13. Disposal Considerations

**Product:** buffer solution

**General Notes:**

In general laboratory waste is under the special supervision of the authorities. Refer to applicable

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local regulations.

## European Waste Catalogue:

Please consult the responsible regulatory body for the assignment of disposal codes according to European Waste Catalogue.

## Following Waste Disposal Key Number Are Possible:

18 01 07 chemicals other than those mentioned in 18 01 06.

## Packagings:

Disposal must be made in accordance with the local waste management regulations.

Contaminated packaging must be disposed of in the same manner as the product.

Non-contaminated packaging materials may be recycled. Contact your local service providers for further information.

## 14. Transport Information

### Land Transport ADR/RID (Cross-Border)

- ADR/RID-GGVS/E Class: -
- Remarks: not restricted
- IMDG Class: -
- Marine pollutant: No

### Air Transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: -
- Remarks: not restricted

## 15. Regulatory Information

### Designation according to EC Guidelines:

No marking required.

**Water Hazard Class (Germany):** WGK 1 – slightly hazardous for water.

## 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.