

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Wondfo 2019-nCoV Antigen Test (Lateral Flow Method) Extraction Buffer

Version 1.0

Issue date: 30-04-2021

Revision date: 30-04-2021

SDS Record Number: C555-TCO-010-144362

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Extraction Buffer
Additional identification: Nanoform is NOT covered by this SDS.
UFI: N/A
Identification of the product: See section 3
Index Number: See section 3
REACH registration No.: See section 3

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

1.2.1 Identified uses:

Buffer

1.2.2 Uses advised against:

Not available.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -
Supplier(Manufacturer): Guangzhou Wondfo Biotech Co., Ltd.
Address: No.8 Lizhishan Road, Science City, Luogang District, 510663 Guangzhou, China
Contact person(E-mail): yunyun.wei@wondfo.com.cn
Telephone: +86-13989462483
Fax: /

1.4 Emergency telephone Number:

Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
N/A	N/A

For full text of H-phrases: see section 2.2.

2.2 Label elements:

Hazard pictogram(s): No hazard pictogram is used.

Signal word: No signal word is used.

Product name: Extraction Buffer

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Hazard statement(s):	Not applicable.
Precautionary statement(s):	Not applicable.
Supplemental Hazard information (EU)	EUH208: Contains mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1). May produce an allergic reaction.

2.3 Other hazards:

- The mixture does not contain PBT/vPvB substance.
- The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients

Substance/Mixture: Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Purified Water	N/A	7732-18-5	231-791-2	97.45%	Not classified	N/A
Trometamol (Tris-Hcl)	N/A	77-86-1	201-064-4	1.20%	Not classified	N/A
Sodium chloride (NaCl)	N/A	7647-14-5	231-598-3	0.85%	Not classified	N/A
Tween-20 (polysorbate 20)	N/A	9005-64-5	N/A	0.50%	Not classified	N/A
Modified alkyl carboxylate	N/A	N/A	N/A	0.002%	H413	N/A
Mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	N/A	55965-84-9	N/A	0.001%	H301 H310 H314 1C H318 H317 1A H330 H400 H410 EUH071	Eye Dam. 1: C ≥ ,6 %; Eye Irrit. 2; H319: ,06 % ≤ C < ,6 %; Skin Corr. 1C: C ≥ ,6 %; Skin Irrit. 2; H315: ,06 % ≤ C < ,6 %; Skin Sens. 1A: C ≥ ,0015 %; M=100; M(Chronic)=100

0% of the mixture consists of component (s) of unknown toxicity.

0% of components with unknown hazards to the aquatic environment.

Section 4 First aid measures

4.1 Description of first aid measures:

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

Move to fresh air. Give artificial respiration if breathing has stopped. If symptoms persist, call a physician.

4.1.2 In case of skin contact:

IMMEDIATELY get under a safety shower. Remove contaminated clothing. Wash off with soap and water. Immediate medical attention is required. Wash contaminated clothing before re-use. Do not take clothing home to be laundered.

Discard contaminated shoes, belts, and other articles made of leather.

4.1.3 In case of eyes contact:

Rinse immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

4.1.4 In case of ingestion:

Drink 1 or 2 glasses of water. IMMEDIATELY see a physician. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

Contains mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water mist, dry powder, foam or carbon dioxide.

Unsuitable extinguishing media: Water with full jet.

5.2 Special hazards arising from the substance or mixture

In case of fire, hazardous gas or vapor may be generated.

5.3 Advice for firefighters:

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. Wear chemical resistant oversuit. Cool containers / tanks with water spray.

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Prevent further leakage or spillage if safe to do so. Keep away from Incompatible products.

6.1.2 For emergency responders: Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Ventilate the area. Wear suitable protective clothing.

6.2 Environmental Precautions:

Should not be released into the environment. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for Containment and Cleaning up:

Absorb the spill with spill pillows or inert solids such as clay or vermiculite, and transfer contaminated materials to suitable containers for disposal. Avoid vapour/mist formation. Keep in properly labelled containers. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures:

Used in closed system When diluting, always add the product to water. Never add water to the product. Use only equipment and materials which are compatible with the product. Keep away from Incompatible products. To avoid thermal decomposition, do not overheat. Preferably transfer by pump or gravity.

7.1.2 Advice on general occupational hygiene:

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in a well-ventilated place. To prevent the buildup of pressure the product is packaged in specially vented containers, where necessary. Keep this product in the original container when not in use. Container must be stored and transported in an upright position to prevent spilling the contents through the vent, where fitted. Do not store this material in containers made of the following: steel Do not store this material near food, feed or drinking water.

Storage temperature: <37 °C

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits:

Country	Substance	EC No.	CAS No.	Occupational Exposure Limit Value (8-hour reference period)		Occupational Exposure Limit Value (15-minute reference period)		
				ppm	mg/m ³	ppm	mg/m ³	Note
Germany (DFG)	Kathon - mixture (3:1) (5-Chloro-2-methyl-2,3-dihydroisothiazol-3 one and 2-Methyl-2,3-dihydroisothiazol-3 one)	/	55965-84-9	-	0,2 (Inhalable fraction)	-	0,4 (Inhalable fraction)	-
Latvia	Sodium chloride	231-598-3	7647-14-5	-	5	-	-	-

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Ensure adequate ventilation. Apply technical measures to comply with the occupational exposure limits.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical resistant goggles must be worn.

Skin protection

Hand protection: Chemical-resistant gloves (EN374) should be worn whenever this material is handled.

For full contact:

Butyl rubber gloves thickness > 0.3 mm, breakthrough time > 480 min.

For splash contact:

Nitrile rubber gloves thickness > 0.11 mm, breakthrough time > 30 min.

Gloves should be removed and replaced immediately if there is any indication of degradation or chemical breakthrough.

Body protection: Wear as appropriate: Chemical resistant apron and complete suit protecting against chemicals (EN14605).

Respiratory protection: For those special workplace conditions where the listed exposure limits are exceeded, a respiratory protection program meeting the requirements of Directive 89/686/EEC and EN133 and 134 standards requirements must be followed.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment.
According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Not available
Odour:	Not available
Odour threshold:	Not available
pH:	Not available
Melting point/range (°C):	Not available

Boiling point/range (°C):	Not available
Flash point (°C):	Not available
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not applicable
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	Not available
Vapour pressure (20°C):	Not available
Vapour density:	Not available
Relative Density:	Not available
Bulk density (kg/m³):	Not available
Water solubility (g/l):	Not available
n-Octanol/Water (log Po/w):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Not available
Explosive properties:	Non explosive
Oxidising properties:	Not oxidising
9.2. Other information:	
Fat solubility(solvent-oil to be specified)	Not available
etc:	
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	Gives off hydrogen by reaction with metals.
10.4 Conditions to avoid:	Incompatible materials. Keep away from direct sunlight. To avoid thermal decomposition, do not overheat.
10.5 Incompatible materials:	Oxidizing agents, Amines Reducing agents, Mercaptans, Strong acid, strong base.
10.6 Hazardous decomposition products:	Nitrogen oxides (NOx), Sulphur oxides, Hydrogen chloride, Carbon oxide.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
ATE_{mix}(oral):	Not available
ATE_{mix}(inhalation):	Not available
ATE_{mix}(Dermal):	Not available
Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H -isothiazol-3-one (3:1) (CAS#55965-84-9)	
LD50(Oral, Rat):	457 mg/kg
LC50(Inhalation, Rat):	0.33 mg/L air 4h
LD50(Dermal, Rabbit):	87.12 mg/kg bw

Skin corrosion/Irritation:	Not classified
Serious eye damage/irritation:	Not classified
Respiratory or skin sensitization:	Contains mixture of 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified
11.2 Information on other hazards	
Endocrine disrupting properties	The mixture does not contain endocrine disruptor.
Other information	Not applicable

Section 12 Ecological information

12.1 Toxicity:

Mixture of 5-Chloro-2-methyl-4-isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) (CAS#55965-84-9)

Acute (short-term) toxicity:

LC50(96h, Fish):	0.19 mg/L
LC50(48h, Crustacea):	0.16 mg/L
EC50(72h, Algae/aquatic plants):	Not available
Chronic (long-term) toxicity:	
NOEC(Fish):	0.02 mg/L 38d
NOEC(Crustacea):	0.1 mg/L 21d
EC50(Algae/aquatic plants):	0.037 mg/L

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The mixture does not contain PBT / vPvB substance.

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

12.7 Other adverse effects: Not available.

12.8 Additional information Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods: Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
14.3 Transport hazard Class(es)	Not regulated	Not regulated	Not regulated	Not regulated
14.4 Packing group	Not regulated	Not regulated	Not regulated	Not regulated
14.5 Environmental hazards	No	No	No	No
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	-	-	-	-

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization:

Not applicable.

Relevant information regarding restriction:

Not applicable.

Other EU regulations:

Employment restrictions concerning young person must be observed.
For use only by technically qualified individuals.

Other National regulations:

Not applicable

15.2 Chemical safety assessment

YES

NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

UFI: Unique Formula Identifier

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

H330: Fatal if inhaled.

H310: Fatal in contact with skin.

H301: Toxic if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H410: Very toxic to aquatic life with long lasting effects.

H413: May cause long lasting harmful effects to aquatic life.

EUH071: Corrosive to the respiratory tract.

EUH208: Contains (name of sensitising substance). May produce an allergic reaction.

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Training instructions:

Not applicable.

16.5 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.6 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.