SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** Disinfectant Wipes

· **Registration number:** Data not available

· **Other means of identification:** Data not available

· **1.2 Relevant identified uses of the substance or mixture and uses advised against on**

· **Application of the substance/ mixture:** Safe for smartphones, tablets, laptops & remove controls.

· **Uses advised against:** All other uses.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Cixi Fanhua non woven products Co., Ltd

· **Only Representative/other EU contact point:** No information available

· **Further information obtainable from:** Cixi Fanhua non woven products Co., Ltd

· **1.4 Emergency telephone number**

General in EU

Tel: 112 (Available 24 hours a day)

In China

Lu BaiSong

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

Classification according to regulation (EC) 1272/2008:

GHS02 Flame

Flam. Sol. 1 H228 Flammable Solid

· **Classification system:**

The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

· **2.2 Label elements**

· **Labeling according to Regulation (EC) No 1272/2008:** The product is labelled according to Regulation (EC) No 1272/2008.

· **Hazard pictograms:**

GHS02

· **Signal word:** Danger

· **Hazard-determining components of labeling:** Not applicable

· **Hazard statements:**

H228	Flammable Solid

· **Precautionary statement:**

P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves /eye protection/face protection.
P370 + P378	In case of fire: Use CO_2, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information oningredients

· **3.1 Chemical characterization:** Mixture

· **Description:**

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Water	7732-18-5	-	231-791-2	78.570%	None	-
Ethanol	64-17-5	603-002-00-5	200-578-6	20%	Flam. Liq. 2, H225	-
Decyl β-D-glucopyranoside	58846-77-8	-	261-469-7	0.8%	None	-
2-phenoxyethanol	122-99-6	603-098-00-9	204-589-7	0.3%	Acute Tox. 4, H302 Eye Irrit. 2, H319	Acute Tox. 4, H302:C≥25%; Eye Irrit. 2, H319: C≥20%
Polysorbate 20	9005-64-5	-	500-018-3	0.2%	None	-
Benzyl ammonium chloride	68424-85-1	-	270-325-2	0.13%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	 M=10 M(Chronic)=1

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

General advice: Call a POISON CENTER/doctor, if you feel unwell.

After inhalation: Supply with fresh air. Call a POISON CENTER/doctor, if you feel unwell.

After skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.

After swallowing: Wash mouth. Get medical attention if you feel unwell.

· **4.2 Most important symptoms and effects, both acute and delayed:** No known symptoms or effects.

· **4.3 Indication of any immediate medical attention and special treatment needed:** Treatment according to symptoms, no known specific medicine.

SECTION 5: Fire-fighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:** Use CO_2, chemical powder, water spray or alcohol resistant foam to extinguish.

· **Unsuitable extinguishing media:** Water with full jet.

· **5.2 Special hazards arising from the substance or mixture:** Flammable mixture. Vapors may form explosive mixture with air. Hazardous combustion products may include carbon monoxide and carbon dioxide.

· **5.3 Advice for firefighters**

Protective equipment:

Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures:**

Cut off leakage source and collect spillage timely if safe do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact with eyes.

· **6.2 Environmental precautions:**

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.

· **6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Ensure good ventilation; Eliminate sources of ignition; Dispose contaminated material as waste according to item 13.

· **6.4 Reference to other sections:**

See section 7 for information on safe handing; See section 8 for information on personal protection equipment; See section 13 for disposal in formation.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling:**

Read label before use; Ensure good ventilation/exhaustion at the workplace; Smoking, eating and drinking should be prohibited; Avoid all sources of ignition; Avoid breathing vapors; Avoid contact with eyes.

· **Information about fire and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

· **7.2 Conditions for safe storage, including any non-compatibility**

· **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.

· **Information about storage in one common storage facility:** Keep out of reach of children; Keep away from ignition source.

· **Further information about storage conditions:** Store locked up.

· **7.3 Specific end use(s):** See section 1.2.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit value - Eight hours	Limit value - Short term
64-17-5 Ethanol		
Austria	1000ppm;1900 mg/m³	2000ppm;3800 mg/m³
Belgium	1000ppm;1907 mg/m³	-
Denmark	1000ppm;1900 mg/m³	2000ppm;3800 mg/m³
Finland	1000ppm;1900 mg/m³	1300ppm;2500 mg/m³ 15 minutes average value
France	1000ppm;1900 mg/m³	5000ppm;9500 mg/m³
Germany (AGS)	500ppm;960 mg/m³	1000ppm;1920mg/m³ 15 minutes average value
Germany (DFG)	500ppm;960 mg/m³	1000ppm;1920mg/m³ 15 minutes average value
Hungary	1900 mg/m³	7600 mg/m³
Ireland	-	1000ppm 15 minutes average value
Latvia	1000 mg/m³	-
Poland	1900 mg/m³	-
Spain	-	1000ppm;1910 mg/m³
Sweden	500ppm;1000 mg/m³	1000ppm; 1900mg/m³ 15 minutes average value
The Netherlands	260 mg/m³	1900 mg/m³
United Kingdom	1000ppm;1920 mg/m³	-
122-99-6 2-phenoxyethanol		
Austria	20ppm; 110 mg/m³	20ppm; 110 mg/m³
Finland	20ppm; 110 mg/m³	50ppm; 290 mg/m³15 minutes average value
Germany (AGS)	20ppm; 110 mg/m³Inhalable aerosol and vapour	40ppm; 220 mg/m³Inhalable aerosol and vapour; 15 minutes reference period
Germany (DFG)	20ppm; 110 mg/m³Inhalable aerosol and vapour	40ppm; 220 mg/m³Inhalable aerosol and vapour; 15 minutes reference period
Poland	230mg/m³	-

· **DNELs:**

DNEL type		DNEL worker value	DNEL consumer value
64-17-5 Ethanol			
Systemic effects	Long-term, inhalation exposure	950 mg/m³	114 mg/m³
	Long-term, dermal exposure	343 mg/kg bw/day	206 mg/kg bw/day
	Long-term, oral exposure	-	87 mg/kg bw/day
Local effects	Acute /short term, inhalation exposure	1900 mg/m³	950 mg/m³
122-99-6 2-phenoxyethanol			
Systemic Effects	Long-term, inhalation	8.07 mg/m³	2.41 mg/m³
	Long-term, dermal	20.83 mg/kg bw/day	10.42 mg/kg bw/day
	Long-term, oral	-	9.23 mg/kg bw/day
	Acute /short term, oral	-	9.23 mg/kg bw/day
Local Effects	Long-term, inhalation	8.07 mg/m³	2.41 mg/m³

· **PNECs:**

PNEC type	Value
64-17-5 Ethanol	

Freshwater	960 µg/L
Intermittent releases (freshwater)	2.75 mg/L
Marine water	790 µg/L
Sewage treatment plant (STP)	580 mg/L
Sediment (freshwater)	3.6 mg/kg sediment dw
Sediment (marine water)	2.9 mg/kg sediment dw
9005-64-5 Polysorbate 20	
Freshwater	200 µg/L
Intermittent releases (freshwater)	239 µg/L
Marine water	20 µg/L
Sediment (freshwater)	1 141 mg/kg sediment dw
Sediment (marine water)	1 000 mg/kg sediment dw
122-99-6 2-phenoxyethanol	
Freshwater	943 µg/L
Intermittent releases (freshwater)	3.44 mg/L
Marine water	94.3 µg/L
Sewage treatment plant (STP)	24.8 mg/L
Sediment (freshwater)	7.237 mg/kg sediment dw
Sediment (marine water)	723.7 µg/kg sediment dw

· **Additional information:** The lists valid during the marking were used as basis.

· **8.2 Exposure controls**

· **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

· **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

· **Personal protective equipment**

· **Respiration protection:** Respiration protection is recommended.

· **Protection of hands:**

Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness> 0.11mm; breakthrough times up to 480 minutes).

· **Eye protection:**

Safety glasses

Protective goggles with side-shields.

· **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **Appearance:**

Form	Wet wipe, liquid in fabric
Color	White

Odor	Odorless
Odor threshold	Not determined
· **pH-value**	4-8 at 20°C
· **Change in condition**	
Melting point/melting range	Not determined
Boiling point and boiling range	Not determined
· **Freezing point**	Not determined
· **Flash point**	35.5°C (liquid part, closed cup)
· **Flammability (solid, gas)**	Flammable solid
· **Decomposition temperature**	Not determined
· **Self-ignition**	Not determined
· **Danger of explosion**	Product is not explosive. However, formation of explosive air/vapor mixtures is possible.
· **Explosion limits**	
Lower:	Not determined
Upper:	Not determined
· **Oxidizing properties**	Not oxidizing agent
· **Vapor pressure**	Not determined
· **Density**	Not determined
· **Relative density**	Not determined
· **Vapor density**	Not determined
· **Evaporation rate**	Not determined
· **Solubility in/Miscibility with**	
Water	Soluble in water
· **Partition coefficient (n-octanol/water)**	Not determined
· **Viscosity**	
Dynamic	Not determined
Kinematic	Not determined
· **9.2 Other information**	Not determined

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** No decomposition if used according to specification.

· **10.2 Chemical stability:** Stable under recommended storage conditions.

· **10.3 Possibility of hazardous reactions:** No known hazardous reaction.

· **10.4 Conditions to avoid:** Heat/sparks/open flames/hot surfaces.

· **10.5 Incompatible materials:** Strong acid, strong oxidizing agent, strong bases and flammable substance.

· **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**

· **Acute toxicity:** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:** No animal test has been done for this product.

64-17-5 Ethanol		
Rat	LD50-oral LC50-inhalation	7060 mg/kg 20000ppm/10H
Rabbit	LD50-oral	6300 mg/kg
Guinea pig	LD50-oral	5560mg/kg
Mouse	LD50-oral LC50-inhalation	3450 mg/kg 39000mg/m3/4H
122-99-6 2-phenoxyethanol		
Mouse	LD50-oral	933mg/kg
Rabbit	LD50-skin	5ml/kg
Rat	LD50-oral LC50-skin	1260mg/kg 14422mg/kg
9005-64-5 Polysorbate 20		
Mouse	LD50-oral	>33000mg/kg
Rat	LD50-oral	36700uL/kg
68424-85-1 Benzyl ammonium chloride		
Mouse	LD50-oral	919mg/kg
Rat	LD50-oral	426mg/kg
Remark: All the above data are from literature.		

· **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
· **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.
· **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
· **Carcinogenicity:** Based on available data, the classification criteria are not met.
· **Reproductive toxicity:** Based on available data, the classification criteria are not met.
· **STOT-single exposure:** Based on available data, the classification criteria are not met.
· **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
· **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· **12.1 Toxicity**
· **Aquatic toxicity:** Not hazardous to the aquatic environment.

64-17-5 Ethanol	
Short–term toxicity to fish	LC50 (4 days) 14.2 - 15.4 g/L EC50 (4 days) 12.7 - 12.9 g/L
Long–term toxicity to fish	NOEC (5 days) 250 - 1 000 mg/L
Short–term toxicity to aquatic invertebrates	EC50 (48 h) 10 g/L LC50 (48 h) 5.012 g/L
Long–term toxicity to aquatic invertebrates	NOEC (10 days) 2 - 9.6 mg/L LC50 (10 days) 1.806 g/L
Toxicity to aquatic algae and cyanobacteria	EC50 (4 days) 675 - 22 000 mg/L
Toxicity to microorganisms	EC50 (4 h) 5.8 g/L IC50 (3 h) 1 g/L
122-99-6 2-phenoxyethanol	
Short–term toxicity to fish	LC50 (4 days) 344 mg/L

	NOEC (4 days) 100 mg/L
Long–term toxicity to fish	NOEC (34 days) 23mg/L
Short–term toxicity to aquatic invertebrates	EC50 (48 h) 488 mg/L
Long–term toxicity to aquatic invertebrates	NOEC (21 days) 9.43 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 443 mg/L NOEC (72 h) 159 mg/L
Toxicity to aquatic plants other than algae	EC50 (16 h) 1.494 g/L
9005-64-5 Polysorbate 20	
Short–term toxicity to fish	LL50 (4 days) 100 mg/L
Long–term toxicity to aquatic invertebrates	NOELR (21 days) 10 mg/L EL50 (21 days) 23.9 mg/L
Toxicity to aquatic algae and cyanobacteria	EL10 (72 h) 7.47 - 19.05 mg/L
Toxicity to aquatic plants other than algae	EL50 (72 h) 20.24 - 58.84 mg/L
Toxicity to microorganisms	NOEC (14 days) 100 mg/L

· **12.2 Persistence and degradability:** Readily biodegradable.

64-17-5	Ethanol	BOD_5=1.067 - 1.236 g O_2/g test material; COD=1.99 g O_2/g test material; Readily biodegradable in water
122-99-6	2-phenoxyethanol	Biodegradation: 82%/17d Zahn-Wellens test; Readily Biodegradable Readily eliminable (DOC reduction >70%).
9005-64-5	Polysorbate 20	Readily biodegradable in water

· **12.3 Bio-accumulative potential:** Low bio-accumulation.

64-17-5	Ethanol	Log Pow = -0.77 - -0.3 at 24 - 25 °C and pH 7 - 7.4
122-99-6	2-phenoxyethanol	Log Pow= 1.107 - 1.2 at 23 °C and pH 5 - 9
9005-64-5	Polysorbate 20	Log Pow= 1.23 - 3.86

· **12.4 Mobility in soil:** High mobility in soil.

· **12.5 Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

· **12.6 Other adverse effects:** No known other adverse effects.

· **12.7 Additional ecological information**

· **General notes:** Water hazard class 1(German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13:Disposal consideration

· **13.1 Waste treatment methods**

· **Recommendation:** Must not be disposed together with household garbage.

· **13.2 Un-cleaned packaging**

· **Recommendation:** Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information

· **14.1 UN-Number**	
IATA	UN3175
· **14.2 UN proper shipping name**	
IATA	Solids containing flammable liquid, n.o.s.
· **14.3 Transport hazard class (es)**	
IATA	
Class	4.1 Flammable solid
Label	4.1
· **14.4 Packing group**	
IATA	II
· **14.5 Marine pollution**	No
· **14.6 Special precautions for user**	Warning: Flammable solid
· **Danger code (Kemler)**	40
· **EMS number**	F-A,S-I
· **14.7 UN "Model Regulation"**	UN3175, Solids containing flammable liquid, n.o.s., 4.1, II

SECTION 15: Regulatory information

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

· **MAK (German Maximum Workplace Concentration):**

64-17-5	Ethanol	5

· **Directive 2012/18/EU**

· **Named dangerous substances-ANNEX I:** None of the ingredients is listed.

· **Seveso category:** Not applicable

· **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable

· **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable.

· **National regulations.**

· **Water hazard class:** Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

H225 Highly flammable liquid and vapour
H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H319 Causes serious eye irritation
H373 May cause damage to organs
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

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· ***Abbreviations and acronyms:***

ADR: *Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).*

IMDG: *International Maritime Code for Dangerous Goods.*

IATA: *International Air Transport Association.*

CAS: *Chemical Abstracts Service (division of the American Chemical Society)*

DNEL: *Derived No-Effect Level (REACH)*

PNEC: *Predicted No-Effect Concentration (REACH)*

PBT: *Persistent, Bio accumulative and Toxic*

SVHC: *Substance of Very High Concern*

LD50: *Lethal dose, 50 percent*

LC50: *Lethal concentration, 50 percent*

EC50: *Concentration of maximal effect, 50 percent*

IC50:*Half maximal inhibitory concentration*

NOEC: *No observed effect concentration*

LL50: *Lethal loading rate, 50 percent*

EL50: *Effective loading rate, 50 percent*

NOELR: *No Observable Effect Loading Rate*

BOD_5: *Five days biochemical oxygen demand*

COD: *Chemical oxygen demand*

Flam. Liq. 2: *Flammable liquids, hazard category 2*

Acute Tox. 4: *Acute toxicity, hazard category 4*

Skin Corr. 1B: *Skin corrosion/irritation, hazard category 1B*

Eye Dam. 1: *Eye damage/irritation, hazard category 1*

Eye Irrit. 2: *Eye damage/irritation, hazard category 2*

STOT RE 2: *Specific target organ toxicity after repeated exposure, hazard category 2*

Aquatic Acute 1: *Hazardous to the aquatic environment- acute toxic, hazard category 1*

Aquatic Chronic 1: *Hazardous to the aquatic environment- chronic toxic, hazard category 1*

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End of safety data sheet