

**SDS Report**

No.: CANEC2002613503

Date: 02 Apr 2020

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ZHEJIANG SHUNAN INDUSTRY&TRADE CO.,LTD

NO.8 XINYUAN ROAD, DONGYANG CITY, ZHEJIANG PROVINCE, CHINA

This report is to supersede report CANEC2002613502

SGS Job No. 20683293

Sample Name : Hand Sanitizer

End Uses : Hand Washing and sterilizing

Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report

Job Receiving Date : 11 Mar 2020

SDS Preparation Period : 11 Mar 2020-17 Mar 2020

Service Requested : Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200, and is provided per attached.

Remark:
The SDS is prepared based on the information provided by client.

This report updates Transport information, Flash point.

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Zm guan
Approved Signatory



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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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Safety Data Sheet
29 CFR 1910.1200

Printing date 04/02/2020

Version number 1

Reviewed on 04/02/2020

1 Identification

- **Product identifier**
- **Trade name:** Hand Sanitizer
- **Recommended use of the chemical and restrictions on use:**
- **Application of the substance / the preparation:** Hand Washing and sterilizing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:** ZHEJIANG SHUNAN INDUSTRY&TRADE CO.,LTD
- **Full address:** NO.8 XINYUAN ROAD · DONGYANG CITY · ZHEJIANG PROVINCE · CHINA
- **Phone number:** 0579-89903102
- **Email:** sales4@yiwushunan.com
- **Other U.S. contact point:** Not available
- **Further information obtainable from:** ZHEJIANG SHUNAN INDUSTRY&TRADE CO.,LTD
- **Emergency telephone number:**
Poison Center
Tel: +1 800 222 1222
- **Reference Number:** CANEC2002613503,20683293

2 Hazard(s) identification

- **Classification of the substance or mixture**

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)



GHS02 Flame

Flam. Liq. 2 H225 Highly flammable liquid and vapor.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**

- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms**



GHS02

- **Signal word** Danger

- **Hazard statements**

H225 Highly flammable liquid and vapor.

- **Precautionary statements**

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· **Composition:**

64-17-5	ethanol	Flam. Liq. 2, H225	75%
7732-18-5	Water		24.8972%
54182-57-9	Carbomer		0.028%
85507-69-3	Aloe Barbadensis Leaf Juice		0.012%
1406-18-4	Tocopheryl Acetate (Vitamin E)		0.015%
56-81-5	Glycerin		0.0058%
57-55-6	Propylene Glycol		0.012%
102-71-6	Triethanolamine		0.03%

4 First-aid measures

· **Description of first aid measures**

· **General description:** Immediately remove any clothing soiled by the product.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** Immediately rinse with water.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

5 Fire-fighting measures

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Special protective equipment and precautions for firefighters**

· **Protective equipment:** No special measures required.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

7 Handling and storage

- **Precautions for safe handling:** For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

64-17-5 ethanol (75%)

PEL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV (USA)	Short-term value: 1880 mg/m ³ , 1000 ppm

56-81-5 Glycerol (0.0045%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.

9004-34-6 Cellulose (0.003%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	Long-term value: 10 mg/m ³

- **Regulatory information**

PEL (USA): Guide to Occupational Exposure Values (OSHA PELs)
REL (USA): Guide to Occupational Exposure Values (NIOSH RELs)
TLV (USA): Guide to Occupational Exposure Values (ACGIH)

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

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

- **Appropriate engineering controls:**

Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

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See Section 7 for information about design of technical facilities.

- **Personal protective equipment:**
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· General Information

· Appearance:

Form:	Liquid
Color:	Transparent
Odor:	Alcohol taste
Odor threshold:	Not available

pH-value:	Not available
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· Change in condition

Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available

Flash point:	22.5 °C (72.5 °F)
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Flammability (solid, gaseous):	Not available
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Auto-Ignition temperature:	Not available
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Decomposition temperature:	Not available
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· Explosion limits:

Lower:	Not available
Upper:	Not available

Vapor pressure:	Not available
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Density:	Not available
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Relative density:	Not available
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Vapor density:	Not available
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· Evaporation rate:	Not available
· Solubility in / Miscibility with Water:	Not available
· Partition coefficient (n-octanol/water):	Not available
· Viscosity:	
Dynamic:	Not available
Kinematic:	Not available
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity:** Data not available
- **Chemical stability:** Data not available
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
64-17-5 ethanol		
Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)
56-81-5 Glycerol		
Oral	LD50	12,600 mg/kg (rat)
9004-34-6 Cellulose		
Oral	LD50	>5,000 mg/kg (rat)

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitization:**
Sensitization possible.
- **Additional toxicological information:**
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
· NTP (National Toxicology Program)
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|---------------------------------------|---|
| · UN-Number | |
| · DOT, IMDG, IATA | UN1170 |
| · UN proper shipping name | |
| · DOT | Ethanol mixture |
| · IMDG | ETHANOL (ETHYL ALCOHOL) mixture |
| · IATA | ETHANOL mixture |
| · Transport hazard class(es) | |
| · DOT | |
| |  |
| · Class | 3 Flammable liquids |
| · Label | 3 |
| · IMDG, IATA | |
| |  |
| · Class | 3 Flammable liquids |
| · Label | 3 |
| · Packing group | |
| · DOT, IMDG, IATA | II |
| · Environmental hazards: | Not applicable |
| · Special precautions for user | Warning: Flammable liquids |
| · EMS Number: | F-E,S-D |
| · Stowage Category | A |

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· Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1170 ETHANOL (ETHYL ALCOHOL) MIXTURE, 3, II

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Sara**· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

64-17-5	ethanol	ACTIVE
63-42-3	Lactose	ACTIVE
1406-18-4	Vitamin E	ACTIVE
97-59-6	allantoin	ACTIVE
56-81-5	Glycerol	ACTIVE
11138-66-2	Xanthan gum	ACTIVE
9004-34-6	Cellulose	ACTIVE
7732-18-5	Water	ACTIVE

· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

64-17-5 ethanol

· **New Jersey Right-to-Know List:**

64-17-5 ethanol

56-81-5 Glycerol

9004-34-6 Cellulose

· **New Jersey Special Hazardous Substance List:**

64-17-5 ethanol

CA, MU, TE, F3

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· Pennsylvania Right-to-Know List:	
64-17-5	ethanol
56-81-5	Glycerol
9004-34-6	Cellulose
· Pennsylvania Special Hazardous Substance List:	
None of the ingredients is listed.	
· Carcinogenicity categories	
· EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
· TLV (Threshold Limit Value established by ACGIH)	
64-17-5	ethanol
· NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	

16 Other information

· **Relevant hazard statements**

H225 Highly flammable liquid and vapor.

· *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200.

DISCLAIMER OF LIABILITY

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· **Date of preparation / last revision 04/02/2020 / -**

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Liq. 2: Flammable liquids – Category 2

· *****

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USA