

Safety Data Sheet (SDS) Report

Applicant: Kunshan Health & Beyond Inc.
Room 701-702, Bld 2, Huijin Bld, No.55, Shangxiang Road, Huaqiao
Town, Kunshan City, China 215332

SDS number: GZHH00372905

Issue Date: 2020-08-04

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : Disinfection hand sanitizer
Physical State : Gel
Data Received : Jul 21 , 2020
Data Reviewed : Aug 04, 2020

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated according to requirements of Regulation (EC) No 1907/2006 (REACH) with its amendment Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008, for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Regulatory Consultant

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Safety Data Sheet

Disinfection hand sanitizer Kunshan Health & Beyond Inc.

SDS Number: **GZHH00372905**

Version No:1.0

According to Regulation (EC) No 1907/2006(REACH) with its amendment Commission Regulation (EU) 2015/830

Issue Date:**04/08/2020**
REACH.GBR.EN

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

1.1. Product Identifier

Product name	Disinfection hand sanitizer
Proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Other means of identification	Not Available

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

Relevant identified uses	Disinfection hand sanitizer
Uses advised against	Not Applicable

1.3. Details of the supplier of the safety data sheet

Supplier Name	Kunshan Health & Beyond Inc.
Address	Room 701-702, Bld 2, Huijin Bld,No.55,Shangxiang Road,Huaqiao Town,Kunshan City,China 215332
Telephone	+86-13806275562
Emergency Telephone	+86-13806275562
Email	rd02@healthandbeyond.cn
Importer Name	Kunshan Health & Beyond.inc
Address	Room 701-702,Bld 2,Huaqiao TownyHuijin Bld,No55,Shangxiang Road,Kunshan City,China, 215332
Telephone	+860512 5710 8262
Email	rd@healthandbeyond.cn

1.4. Emergency telephone number

Association / Organisation	Kunshan Health & Beyond Inc.
Emergency telephone numbers	+86 051257108262 (9:00-17:00 Monday-Friday)
Other emergency telephone numbers	


SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Classified as Dangerous Goods for transport purposes.

Classification according to regulation (EC) No 1272/2008 [CLP]	H225 - Flammable Liquid Category 2
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2.2. Label elements

Hazard pictogram(s)	
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Signal word	Danger
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Hazard statement(s)

H225	Highly flammable liquid and vapour.
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Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.

Disinfection hand sanitizer

P241	Use explosion-proof electrical/ventilating/lighting/intrinsically safe equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement(s) Response

P370+P378	In case of fire: Use alcohol resistant foam or fine spray/water fog to extinguish.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Precautionary statement(s) Storage

P403+P235	Store in a well-ventilated place. Keep cool.
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Precautionary statement(s) Disposal

P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.
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2.3. Other hazards

REACH-Art.57-59: The mixture does not contain Substances of Very High Concern(SVHC) at the SDS print date.

SECTION 3 Composition / information on ingredients

3.1.Substances

See 'Composition on ingredients' in Section 3.2

3.2.Mixtures

1.CAS No 2.EC No 3.Index No 4.REACH No	%[weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP]
1.64-17-5 2.200-578-6 3.603-002-00-5 4.Not Available	63-73	<u>ethanol</u>	Flammable Liquid Category 2; H225
1.7732-18-5 2.231-791-2 3.Not Available 4.Not Available	25-35	<u>Aqua (Water)</u>	Not Classified
1.56-81-5 2.200-289-5 3.Not Available 4.Not Available	0.5	<u>GLYCERIN</u>	Not Classified
1.57-55-6 2.200-338-0 3.Not Available 4.Not Available	0.5	<u>propylene glycol</u>	Not Classified
1.Not Available 2.Not Available 3.Not Available 4.Not Available	0.25-0.45	<u>Acrylates/C10-30Alkyl Acrylate Crosspolymer</u>	Not Classified
1.124-68-5 2.204-709-8 3.603-070-00-6 4.Not Available	0.05-0.11	<u>aminomethyl propanol</u>	Skin Corrosion/Irritation Category 2, Eye Irritation Category 2, Chronic Aquatic Hazard Category 3; H315, H319, H412
1.Not Available 2.Not Available 3.Not Available 4.Not Available	0-0.5	<u>Fragrance (Parfum)</u>	Skin Corrosion/Irritation Category 2, Skin Sensitizer Category 1, Chronic Aquatic Hazard Category 3; H315, H317, H412
1.3734-33-6 2.223-095-2 3.Not Available 4.Not Available	0.004	<u>denatonium benzoate</u>	Serious Eye Damage Category 1, Acute Toxicity (Inhalation) Category 4, Acute Toxicity (Oral) Category 4; H318, H332, H302
1.7695-91-2 2.231-710-0 3.Not Available 4.Not Available	0.001	<u>Tocopheryl Acetate (Vitamin E)</u>	Not Classified
1.94349-62-9 2.305-181-2 3.Not Available 4.Not Available	0.0005	<u>Aloe Barbadosensis Leaf Juice</u>	Not Classified
1.9050-36-6 2.232-940-4 3.Not Available 4.Not Available	0.0005	<u>maltodextrin</u>	Not Classified

SECTION 4 First aid measures

Disinfection hand sanitizer

4.1. Description of first aid measures

Eye Contact	<p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	<p>If skin contact occurs:</p> <ul style="list-style-type: none"> ▶ Seek medical attention in event of irritation.
Inhalation	<ul style="list-style-type: none"> ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary.
Ingestion	<ul style="list-style-type: none"> ▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

Treat symptomatically.

SECTION 5 Firefighting measures

5.1. Extinguishing media

- ▶ Foam.
- ▶ Dry chemical powder.

5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility	▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
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5.3. Advice for firefighters

Fire Fighting	<ul style="list-style-type: none"> ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ May be violently or explosively reactive.
Fire/Explosion Hazard	<ul style="list-style-type: none"> ▶ Liquid and vapour are highly flammable. ▶ Severe fire hazard when exposed to heat, flame and/or oxidisers.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

6.2. Environmental precautions

See section 12

6.3. Methods and material for containment and cleaning up

Minor Spills	<ul style="list-style-type: none"> ▶ Remove all ignition sources. ▶ Clean up all spills immediately.
Major Spills	<ul style="list-style-type: none"> ▶ Clear area of personnel and move upwind. ▶ Alert Fire Brigade and tell them location and nature of hazard.

6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Safe handling	<ul style="list-style-type: none"> ▶ Containers, even those that have been emptied, may contain explosive vapours. ▶ Do NOT cut, drill, grind, weld or perform similar operations on or near containers. ▶ Limit all unnecessary personal contact. ▶ Wear protective clothing when risk of exposure occurs.
Fire and explosion protection	See section 5
Other information	<ul style="list-style-type: none"> ▶ Store in original containers in approved flame-proof area. ▶ No smoking, naked lights, heat or ignition sources.

7.2. Conditions for safe storage, including any incompatibilities

Suitable container	▶ pet bottle
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Continued...

Disinfection hand sanitizer

	<ul style="list-style-type: none"> Plastic containers may only be used if approved for flammable liquid.
Storage incompatibility	<ul style="list-style-type: none"> Avoid reaction with oxidising agents

7.3. Specific end use(s)

See section 1.2

SECTION 8 Exposure controls / personal protection

8.1. Control parameters


Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Disinfection hand sanitizer	Not Available	Not Available

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
UK Workplace Exposure Limits (WELs)	ethanol	Ethanol	1000 ppm / 1920 mg/m ³	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs)	GLYCERIN	Glycerol, mist	10 mg/m ³	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs)	propylene glycol	Propane-1,2-diol: particulates	10 mg/m ³	Not Available	Not Available	Not Available
UK Workplace Exposure Limits (WELs)	propylene glycol	Propane-1,2-diol: total vapour and particulates	150 ppm / 474 mg/m ³	Not Available	Not Available	Not Available

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
8.2.2. Personal protection	
Eye and face protection	<ul style="list-style-type: none"> Safety glasses with side shields. Chemical goggles.
Skin protection	See Hand protection below
Hands/feet protection	<ul style="list-style-type: none"> Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber <p>NOTE:</p> <ul style="list-style-type: none"> The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
Body protection	See Other protection below
Other protection	<ul style="list-style-type: none"> Overalls. PVC Apron. Some plastic personal protective equipment (PPE) (e.g. gloves, aprons, overshoes) are not recommended as they may produce static electricity. For large scale or continuous use wear tight-weave non-static clothing (no metallic fasteners, cuffs or pockets).

8.2.3. Environmental exposure controls

See section 12

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Colorless transparent gel		
Physical state	Gel	Relative density (Water = 1)	0.85-0.9 g/cm ³
Odour	Special fragrance	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	4-8.5	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	>5000CPS

Continued...

Disinfection hand sanitizer

Initial boiling point and boiling range (°C)	>50°C	Molecular weight (g/mol)	Not Available
Flash point (°C)	<23°C	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Highly Flammable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

9.2. Other information

Not Available

SECTION 10 Stability and reactivity

10.1.Reactivity	See section 7.2
10.2. Chemical stability	<ul style="list-style-type: none"> ▶ Unstable in the presence of incompatible materials. ▶ Product is considered stable.
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute Toxicity	ethanol
	Inhalation (rat) LC50: 20,000 ppm/10h ^[2]
	Inhalation (rat) LC50: 64000 ppm/4h ^[2]
	GLYCERIN
	Oral (rat) LD50: >10000 mg/kg ^[2]
	propylene glycol
	Dermal (rabbit) LD50: 11890 mg/kg ^[2]
	Dermal (rabbit) LD50: 20800 mg/kg ^[2]
	Oral (rat) LD50: 20000 mg/kg ^[2]
	aminomethyl propanol
	Oral (mouse) LD50: 2150 mg/kg ^[2]
	Oral (rat) LD50: 2900 mg/kg ^[2]
denatonium benzoate	
Oral (rabbit) LD50: 508 mg/kg ^[2]	
Oral (rat) LD50: 584 mg/kg ^[2]	
Tocopheryl Acetate (Vitamin E)	
Oral (mouse) LD50: >49700 mg/kg ^[2]	
Skin Irritation/Corrosion	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation	Based on available data, the classification criteria are not met.
Respiratory or Skin sensitisation	Based on available data, the classification criteria are not met.
Mutagenicity	Based on available data, the classification criteria are not met.

Continued...

Disinfection hand sanitizer

Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductivity	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.
Legend:	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances

SECTION 12 Ecological information

12.1. Toxicity

Disinfection hand sanitizer	Based on available data, the classification criteria are not met.
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12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
ethanol	LOW (Half-life = 2.17 days)	LOW (Half-life = 5.08 days)
GLYCERIN	LOW	LOW
propylene glycol	LOW	LOW
aminomethyl propanol	LOW	LOW
Tocopheryl Acetate (Vitamin E)	HIGH	HIGH

12.3. Bioaccumulative potential

Ingredient	Bioaccumulation
ethanol	LOW (LogKOW = -0.31)
GLYCERIN	LOW (LogKOW = -1.76)
propylene glycol	LOW (BCF = 1)
aminomethyl propanol	LOW (BCF = 330)
Tocopheryl Acetate (Vitamin E)	LOW (LogKOW = 11.9136)

12.4. Mobility in soil

Ingredient	Mobility
ethanol	HIGH (KOC = 1)
GLYCERIN	HIGH (KOC = 1)
propylene glycol	HIGH (KOC = 1)
aminomethyl propanol	MEDIUM (KOC = 2.196)
Tocopheryl Acetate (Vitamin E)	LOW (KOC = 13870000)

12.5. Results of PBT and vPvB assessment

	P	B	T
Relevant available data	Not Applicable	Not Applicable	Not Applicable
PBT Criteria fulfilled?	Not Applicable	Not Applicable	Not Applicable

12.6. Other adverse effects

No data available

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Product / Packaging disposal	<ul style="list-style-type: none"> ▶ Containers may still present a chemical hazard/ danger when empty. ▶ Return to supplier for reuse/ recycling if possible. ▶ Recycle wherever possible. ▶ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.
Waste treatment options	Not Available
Sewage disposal options	Not Available

SECTION 14 Transport information

Disinfection hand sanitizer

Marine Pollutant	NO
HAZCHEM	*2YE

Land transport (ADR)

14.1. UN number	1170	
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	
14.3. Transport hazard class(es)	Class	3
	Subrisk	Not Applicable
14.4. Packing group	II	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Hazard identification (Kemler)	33
	Classification code	F1
	Hazard Label	3
	Special provisions	144 601
	Limited quantity	1 L
	Tunnel Restriction Code	2 (D/E)

Air transport (ICAO-IATA / DGR)

14.1. UN number	1170	
14.2. UN proper shipping name	Ethanol. solution	
14.3. Transport hazard class(es)	ICAO/IATA Class	3
	ICAO / IATA Subrisk	Not Applicable
	ERG Code	3L
14.4. Packing group	II	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions	A3 A58 A180
	Cargo Only Packing Instructions	364
	Cargo Only Maximum Qty / Pack	60 L
	Passenger and Cargo Packing Instructions	353
	Passenger and Cargo Maximum Qty / Pack	5 L
	Passenger and Cargo Limited Quantity Packing Instructions	Y341
	Passenger and Cargo Limited Maximum Qty / Pack	1 L

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1170	
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	
14.3. Transport hazard class(es)	IMDG Class	3
	IMDG Subrisk	Not Applicable
14.4. Packing group	II	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	EMS Number	F-E , S-D
	Special provisions	144
	Limited Quantities	1 L

Inland waterways transport (ADN)

14.1. UN number	1170	
14.2. UN proper shipping name	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	

Disinfection hand sanitizer

14.3. Transport hazard class(es)	3	Not Applicable
14.4. Packing group	II	
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Classification code	F1
	Special provisions	144; 601
	Limited quantity	1 L
	Equipment required	PP, EX, A
	Fire cones number	1

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

SECTION 15 Regulatory information

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

ethanol is found on the following regulatory lists

Europe EC Inventory
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI
UK Workplace Exposure Limits (WELs)

Aqua (Water) is found on the following regulatory lists

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

GLYCERIN is found on the following regulatory lists

Europe EC Inventory
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

UK Workplace Exposure Limits (WELs)

propylene glycol is found on the following regulatory lists

Europe EC Inventory
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

UK Workplace Exposure Limits (WELs)

aminomethyl propanol is found on the following regulatory lists

Europe EC Inventory
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI

Fragrance(Parfum) is found on the following regulatory lists

Not Applicable

denatonium benzoate is found on the following regulatory lists

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Tocopheryl Acetate (Vitamin E) is found on the following regulatory lists

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

Aloe Barbadensis Leaf Juice is found on the following regulatory lists

Europe EC Inventory
European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

maltodextrin is found on the following regulatory lists

Europe EC Inventory

European Union - European Inventory of Existing Commercial Chemical Substances (EINECS)

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2015/830; Regulation (EC) No 1272/2008 as updated through ATPs.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16 Other information

Full text Risk and Hazard codes

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Continued...

Disinfection hand sanitizer

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

Other information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

Definitions and abbreviations

PC—TWA: Permissible Concentration-Time Weighted Average

PC—STEL: Permissible Concentration-Short Term Exposure Limit

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

STEL: Short Term Exposure Limit

TEEL: Temporary Emergency Exposure Limit.

IDLH: Immediately Dangerous to Life or Health Concentrations

OSF: Odour Safety Factor

NOAEL :No Observed Adverse Effect Level

LOAEL: Lowest Observed Adverse Effect Level

TLV: Threshold Limit Value

LOD: Limit Of Detection

OTV: Odour Threshold Value

BCF: BioConcentration Factors

BEI: Biological Exposure Index