

MSDS Report

No. **8621.SH.2003.0082.5** Date: **03.18, 2020** Page: **1 / 1**

Applicant :

Address :

Below information submitted by the applicant:

Name : hand sanitizer

Model : 500ml

Reference info. : /

Supplier info. : /

Buyer info. : /

Destination : Europe

Original : China

Sample Received : 03.16, 2020

Test Period : 03.16, 2020 - 03.18, 2020

Test Requirement : Please refer to next page(s).

Test Method : Please refer to next page(s).

Test Result : Please refer to next page(s).

Test Conclusion : Please refer to next page(s).

Result Summary : Test Items

Verdict

1. Material Safety Data Sheet for the submitted samples in according to GHS Rev.3 and European Regulation No.1272/008, No.1907/2006 and its amendments

Refer to next

Jerry Zhao, Technical Director
Signed for and on behalf of
TUV THURINGEN SHANGHAI CO., LTD.
Shanghai

SAFETY DATA SHEET

Prepared 2020.03.18

According to GHS Rev.3 and European Regulation No.1272/2008, No.1907/2006 and its amendments

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

1.1 Product identifier

Product form Preparation

Product Name hand sanitizer

Model/Type 500ml

CAS No. Refer to section 3

Type of product Preparation

Chemical structure Refer to section 3

Synonyms /

Product group /

1.2.1 Relevant identified uses

Main use category

This is a personal care product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulation. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

Use of the substance / article For more detail information, see technical data sheet

1.2.2 Uses advised against

No additional information available

1.3 Details of the supplier of safety data sheet

1.4

Section 2 Hazards identification

2.1 Classification of the substances or mixture

This product does not contain hazardous substances to be mentioned according to EU Regulation No 1907/2006 (REACH).

Flammable liquids: Category 3

Eye irritation: Category 2A

2.2 Label elements



TÜV Thüringen China 8621.SH.2003.0082.5

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Pictogram



Signal word Warning

Hazard statement(s)
H226 Flammable liquid and vapor.
H319 Causes serious eye irritation.

2.3 Precautionary Statements

Prevention:

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 eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

2.4 Hazards not otherwise classified

No information available

2.4 Other information

No information available

2.5 Other hazards

Results of PBT and vPvT assessment

PBT No PBT substances

vPvB No vPvB substances

Section 3 Composition/ information on ingredients

3.1 Substance

Not substances, articles

3.2 Composition

Name	CAS No.	EC No.	Concentration, %
Ethyl alcohol	64-17-5	200-518-6	60-80

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Pure Water	7732-18-5	231-791-2	5-15
Glycerin	56-81-5	200-289-5	1-5
Triethanolamine	102-71-6	203-049-8	0.3-2
Carbomer	9007-20-9	618-435-5	0.3-2
Vitamin E	2074-53-5	218-197-9	0-0.2

Section 4 First-aid measures

4.1	Description of first aid measures	
	General advice	In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice.
	If inhaled	If inhaled, remove to fresh air. If symptoms persist, call a physician.
	In case of skin contact	Wash with water and soap as a precaution. Get medical attention if irritation develops and persists.
	In case of eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Seek medical advice.
	If swallowing	If swallowed, DO NOT induce vomiting. Rinse mouth with water. Obtain medical attention.
4.2	Most important symptoms and effects, both acute and delayed	Causes serious eye irritation.
4.3	Indication of any immediate medical attention and special treatment needed	First Aid responders should pay attention to self-protection and use the recommended protective clothing

Section 5 Firefighting measures

5.1	Extinguishing media	
	Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
	Unsuitable extinguishing media	High volume water jet
5.2	Special hazards arising from the substance or mixture	
	No information available	
	Hazardous decomposition products in case of fire	Carbon oxides
5.3	Advice for firefighters	
	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.	
5.4	Special protective equipment for firefighters	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

Section 6 Accidental release measures



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6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.

6.2 Environmental precautions

Discharge into the environment must be avoided.
Prevent further leakage or spillage if safe to do so.
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

Non-sparking tools should be used.
Soak up with inert absorbent material.
Suppress (knock down) gases/vapours/mists with a water spray jet.
Keep in suitable, closed containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

Section 7 Handling and storage

7.1 Precautions for safe handling

For personal protection see section 8.
Keep away from heat and flame.
Use with local exhaust ventilation.
Avoid contact with eyes.

7.2 Conditions for safe storage, including any incompatibilities

Take measures to prevent the build up of electrostatic charge.
Keep in properly labelled containers.
Keep containers tightly closed in a dry, cool and well ventilated place.
Store in accordance with the particular national regulations.

7.3 Specific end uses

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Section 8 Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits	Ethyl Alcohol, TWA: 1900mg/m ³ (NIOSH, REL); STEL: 1000mg/kg (OSHA Z-1)
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8.2 EXPOSURE CONTROLS

Appropriate engineering controls	No related information available
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Personal protective equipment

Respiratory protection: No personal respiratory protective equipment normally required.
 Hand protection: No special protective equipment required.
 Eye protection: Wear face-shield and protective suit for abnormal processing problems.
 Skin and body protection: No special measures necessary provided product is used correctly.
 Protective measures: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
 Ensure that eye flushing systems and safety showers are located close to the working place.
 Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.
 Avoid contact with eyes

Control of environmental exposure Do not let product enter drains.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state

Appearance Binding liquid

Color Colorless

Odor Alcohol flavor

Odor threshold No data available

pH No data available

Relative evaporation rate (butylacetate=1) No data available

Melting point No data available

Freezing point No data available

Boiling point No data available

Flash point No data available

Auto-ignition temperature No data available

Decomposition temperature Not data available

Flammability (solid, gas) No data available

Vapor pressure No data available

Relative vapor density at 20°C No data available

Relative density No data available

Density No data available

Solubility No data available

Log Pow No data available

Viscosity, kinematic No data available

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	Explosive properties	No data available
	Oxidizing properties	No data available
	Explosive limits	No data available
9.2	Other information	
	Minimum ignition energy	No data available
	VOC content	>1%

Section 10 Stability and reactivity

10.1	REACTIVITY	
	Not classified as a reactivity hazard.	
10.2	CHEMICAL STABILITY	
	Stable under normal conditions.	
10.3	POSSIBILITY OF HAZARDOUS REACTIONS	
	Vapors may form explosive mixture with air.	
10.4	CONDITIONS TO AVOID	
	Heat, flames and sparks.	
10.5	INCOMPATIBLE MATERIALS	
	Strong oxidizing agents	
10.6	HAZARDOUS DECOMPOSITION PRODUCTS	
	No hazardous decomposition products are known	

Section 11 Toxicological information

11.1	Information on toxicological effects	
	Acute toxicity	No information available
	Skin corrosion/irritation	No information available
	Serious eye damage/eye irritation	No information available
	Respiratory or skin sensitization	No information available
	Germ cell mutagenicity	No information available
	Carcinogenicity	No information available
	Reproductive toxicity	No information available
	Specific target organ toxicity - single exposure	No information available
	Specific target organ toxicity - repeated exposure	No information available

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Aspiration hazard No information available

Additional Information When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Section 12 Ecological information

12.1 Toxicity

No information available

Toxicity to daphnia and other aquatic invertebrates No information available

12.2 Persistence and degradability

No information available

12.3 Bio-accumulative potential

No information available

12.4 Mobility in soil

Not information available

12.5 Results of PBT and vPvB assessment

Results of PBT assessment No PBT substances used in the product.

12.6 Other adverse effects

No information available

Section 13 Disposal considerations

13.1 Waste treatment methods

Waste treatment methods Dispose of in accordance with local regulations.

Waste management (disposal and evaluation) Disposal must be done according to local/official regulations. Refer to manufacturer/supplier for information on recovery/recycling.

Contaminated packaging Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14 Transport information

Not classified as dangerous in the meaning of transport regulations.

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	AND	RID
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14.1 UN Number

1987	1987	1987	1987	1987
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14.2 UN Proper shipping name

Alcohols	Alcohols	Alcohols	Alcohols	Alcohols
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14.3	Transport hazard class(es)				
	3	3	3	3	3
14.4	Packing Group				
	III	III	III	III	III
14.5	Environmental hazards				
	3	3	3	3	3
14.6	Special precautions for user				
	Overland transport		No data available		
	Transport by sea (IMDG)		No data available		
	Air transport (IATA)		No data available		
	Inland waterway transport		No data available		
	Rail transport		No data available		
14.7	Transport in bulk according to Annex II of MARPOL and the IBC Code				
	No related information available				

Section 15 Regulatory information

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture				
	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances				
15.2	Chemical safety assessment				
	The substance is not classified for human health hazards or for environment effects and it is not PBT or vPvB so that no exposure assessment or risk characterization is required. For tasks where the intervention of workers is required, the substance must be handled in accordance with good industrial hygiene and safety procedures.				

Section 16 Other information

Legislation related to safety data sheets	GHS Rev.3 and European Regulation No.1272/008, No.1907/2006 and its amendments
Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks	Not applicable
Texts of the legislative phrases mentioned in section 2	Not applicable
Texts of the legislative phrases mentioned in section 3	The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual

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components which appear in section 3

Advice related to training

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Abbreviations and acronyms

Asp. Tox. Aspiration hazard
 Carc. Carcinogenicity
 Eye Irrit. Eye irritation
 Flam. Liq. Flammable liquids
 H225 Highly flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H340 May cause genetic defects.
 H350 May cause cancer.
 H372 Causes damage to organs through prolonged or repeated exposure.
 Muta. Germ cell mutagenicity
 Skin Corr. Skin corrosion
 Skin Irrit. Skin irritation
 STOT RE Specific target organ toxicity - repeated exposure

Other information

Training staff on good manufacturing practice. Manipulations are to be done only by qualified and authorized persons. Use good personal hygiene practices.

MSDS

This information applies to the PRODUCT AS SUCH and conforming to specifications of the company. In case of formulations or mixtures, it is necessary to ascertain that a new danger will not appear. The information contained is based on our knowledge of the product, at the date of publishing and it is given quite sincerely. Users are advised of possible additional hazards when the product is used in applications for which it was not intended. This sheet shall only be used and reproduced for prevention and security purposes. The references to legislative, regulatory and codes of practice documents cannot be considered as exhaustive. It is the responsibility of the person receiving the product to refer to the totality of the official documents concerning the use, the possession and the handling of the product. It is also the responsibility of the handlers of the product to pass on to any subsequent persons who will come into contact with the product. (usage, storage, cleaning of containers, other processes). The totality of the information contained within this safety data sheet and necessary for safety at work, the protection of health and the protection of environment.

Disclaimer

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new product.