

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

### 1.1 Product identifier

**Product Name:** *Alcohol Hand Sanitizer*

**Product Type:** /

**Brand:** /

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

**Relevant identified uses:** *Hand sanitizer*

**Uses advised against:** *No information available.*

### 1.3 Details of the supplier of the material safety data sheet

#### Manufacturer/Supplier

**Name:** *Shenzhen Meige Tianhua Biotechnology Co., Ltd. Dongguan Chang 'An Branch.*

**Address:** *7F, Building 1, Wanfeng Innovation And Technology Park, No.1048, S358 Provincial Road, Shatou Community, Chang 'An Town, Dongguan City.*

**Information contact:** *TEL: +86-15999543200*

*FAX: +86-769-81585696*

**E-mail:** *1506478159@qq.com*

**Only Representative/other EU contact point:** *Not available*

**Further information obtainable from:** *Shenzhen Meige Tianhua Biotechnology Co., Ltd. Dongguan Chang 'An Branch.*

### 1.4 Emergency telephone number:

**For Europe:** + 32 (0) 3 5755555

**Manufacturer/Supplier emergency contact phone number:** *+86-4009931158*

### 1.5 Reference Number: JCT-SDS20200310007.

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 / GHS Rev 5**

#### Physical and Chemical hazards



GHS02

*Flam. Liq. 2 - H225, Highly flammable liquid and vapour.*

#### Human Health hazards



GHS07

Eye Irrit. 2 - H319, Causes serious eye irritation.

### Environmental Hazards

Based on available data, the classification criteria are not met.

### Information concerning particular hazards for human and environment

The product has to be labeled due to the calculation procedure of Regulation 1272/2008/EC.

### Classification system

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

## 2.2 Label elements

### Labelling according to Regulation (EC) No. 1272/2008[CLP/GHS Rev5]

#### Hazard pictograms



#### Signal word

Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements

##### General precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

##### Prevention precautionary statements

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.

P241 Use explosion-proof [electrical/ventilating/lighting/...] equipment.

P242 Use non-sparking tools.

P243 Take action to prevent static discharges.

P264 Wash skin thoroughly after handling.



**P280** Wear protective gloves/protective clothing/eye protection/face protection.

**Response precautionary statements**

**P303+P361+P353** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

**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 extinction.

**Storage precautionary statements**

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

**Disposal precautionary statements**

**P501** Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national/international regulation.

**Supplemental Hazard information**

No information available.

**Special rules for supplemental label elements for certain mixtures**

No information available.

**2.3 Other hazards**

**Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Section 3: Composition / information on ingredients**

**3.1 Substances**

Not applicable.

**3.2 Mixture**

**Description of the mixture**

Mixture of the substances listed below with nonhazardous additions.

Substance name	CAS No. EC No.	Concentration (%)	CLP Classification - Regulation (EC) No 1272/2008
Ethanol	CAS No.: 64-17-5 EC No.: 200-578-6	75	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319
Water	CAS No.: 7732-18-5	22.59	Not classified

	EC No.: 231-791-2		
Glycerol	CAS No.: 56-81-5 EC No.: 200-289-5	2	Not classified
Carbomer	CAS No.: 54182-57-9 EC No.: -	0.35	Not classified
Sodium hydroxide	CAS No.: 1310-73-2 EC No.: 215-185-5	0.06	Skin Corr. 1A - H314

**Remark**

Full text of Hazard Statements: see section 16.

**Section 4: First aid measures**
**4.1 Description of first aid measures**
**General advice**

If symptoms persist, call a physician.

**Inhalation**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

**Skin contact**

Wash off with soap and plenty of water. If symptoms persist, call a physician.

**Eye contact**

Flush eyes with water as a precaution. If symptoms persist, call a physician.

**Ingestion**

Rinse mouth with water. Consult a physician.

**Self-Protection of the First Aider**

Use personal protective equipment as required.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Treat symptomatically.

**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**

Water jet may not be suitable.

## **5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

## **5.3 Advice for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **Section 6: Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

### **6.2 Environmental precautions**

Do not allow to enter sewers/ surface water. Should not be released into the environment.

### **6.3 Methods and material for containment and cleaning up**

Contain spillage, and then place in container for disposal according to local 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**

#### **Protective measures**

Avoid contact with eye. Avoid ingestion and inhalation. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

#### **Advice on general occupational hygiene**

Handle in accordance with good industrial hygiene and safety practice.

### **7.2 Conditions for safe storage, including any incompatibilities**

#### **Technical measures and storage conditions**

Store away from incompatible materials described in Section 10.

#### **Requirements for storage rooms and vessels**

Store in a dry, cool and well-ventilated place.

#### **Further information about storage conditions**

Keep container tightly closed.

### 7.3 Specific end use(s)

Apart from the uses mentioned in Section 1, no other specific uses are stipulated.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

CAS No.	TWA	STEL	Sources
64-17-5	1000 ppm, 1900 mg/m <sup>3</sup>	5000 ppm, 9500 mg/m <sup>3</sup>	France
56-81-5	10 mg/m <sup>3</sup>	-	France
1310-73-2	2 mg/m <sup>3</sup>	-	France

#### Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

#### Monitoring methods

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

MDHS70 General methods for sampling airborne gases and vapours.

MDHS 88 Volatile organic compounds in air. Laboratory method using diffusive samplers, solvent desorption and gas chromatography.

MDHS 96 Volatile organic compounds in air. Laboratory method using pumped solid sorbent tubes, solvent desorption and gas chromatography.

#### Derived No Effect Level (DNEL)

No information available.

#### Predicted No Effect Concentration (PNEC)

No information available.

#### Additional information

The lists that were valid during the creation 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

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment



### Eye/Face protection

Use equipment for eye protection tested and approved under appropriate government standards.

### Skin protection

#### Hand protection

No protection is ordinarily required under normal conditions of use. If need, handle with gloves.

#### Body protection

Protective clothing.

#### Other skin protection measures

No information available.

### Respiratory Protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. To protect the wearer, respiratory protective equipment must be the correct fit and be used and maintained properly.

### 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

<b>Form</b>	Viscous liquid or gel
<b>Color</b>	Colorless
<b>Odor</b>	Alcohol-like
<b>pH-value</b>	6 - 8
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point/boiling range</b>	> 50 °C
<b>Flash point(closed cup)</b>	< 23 °C
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gaseous)</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower</b>	No data available
<b>Upper</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available

**Solubility in / Miscibility with**

<b>Water</b>	<i>Soluble in water</i>
<b>Partition coefficient(n-octanol/water)</b>	<i>No data available</i>
<b>Auto-Ignition temperature</b>	<i>No data available</i>
<b>Decomposition temperature</b>	<i>No data available</i>
<b>Viscosity</b>	
<b>Dynamic</b>	<i>No data available</i>
<b>Kinematic</b>	<i>No data available</i>
<b>Explosive properties</b>	<i>Product is not explosive.</i>
<b>Oxidizing properties</b>	<i>The substance does not belong to oxidizing substances.</i>
<b>Odor Threshold</b>	<i>No data available</i>

**9.2 Other information**

*No information available.*

**Section 10: Stability and reactivity**
**10.1 Reactivity**

*Stable under normal conditions.*

**10.2 Chemical stability**

*Stable at normal temperatures and storage conditions.*

**10.3 Possibility of hazardous reactions**

*None under normal processing.*

**10.4 Conditions to avoid**

*Incompatible materials. Heat, flames and sparks.*

**10.5 Incompatible materials**

*Strong oxidizing agents.*

**10.6 Hazardous decomposition products**

*No data available.*

**Section 11: Toxicological information**
**11.1 Information on toxicological effects**
**Acute toxicity**

**Oral** *Based on available data, the classification criteria are not met.*

**Dermal** *Based on available data, the classification criteria are not met.*



**Inhalation** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification**

CAS No.	Route of exposure	Type of test	Species observed	Dose
64-17-5	Oral	LD50	Rat	7060 mg/kg
56-81-5	Oral	LD50	Rat	12600 mg/kg
	Dermal	LD50	Rabbit	> 10000 mg/kg

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

**Serious eye damage/eye irritation** Category 2.

**Respiratory or skin sensitization** Based on available data, the classification criteria are not met.

**Respiratory** Based on available data, the classification criteria are not met.

**Skin** 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

CAS No.	
64-17-5	LC50: 14200 mg/L, 96h, <i>Pimephales promelas</i>
	EC50: 9268 mg/L, 48h, Water flea
	EC50: 275 mg/L, 72h, <i>Chlorella vulgaris</i>
1310-73-2	LC50: 45.4 mg/L, 96h, <i>Oncorhynchus mykiss</i>
	EC50: 40.38 mg/L, 48h, Water flea

### 12.2 Persistence and degradability

No data available.

### 12.3 Bioaccumulative potential

No data available.

### 12.4 Mobility in soil

CAS No.	Log Pow

64-17-5	-0.32
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## 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

## 12.6 Other adverse effects

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

**Persistent Organic Pollutant** This product does not contain any known or suspected substance.

**Ozone Depletion Potential** This product does not contain any known or suspected substance.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation - Waste from Residues / Unused Products

Follow all local, state, and federal regulations for disposal of waste chemicals.

#### Recommendation - Contaminated Packaging

Follow all local, state, and federal regulations for disposal of waste chemicals.

#### European Waste Catalogue (EWC)

According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.

#### Other Information

Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: Transport information

### 14.1 UN-Number

**ADN/ADR/RID** UN1170

**IMDG/IMO** UN1170

**Remark:** According to the IMDG Code, 2018 Edition (inc. Amendment 39-18).

**IATA/ICAO** UN1170

**Remark:** According to IATA DGR(61<sup>th</sup>, 2020).

### 14.2 UN proper shipping name

**ADN/ADR/RID** ETHANOL SOLUTION

**IMDG/IMO** ETHANOL SOLUTION

**IATA/ICAO** ETHANOL SOLUTION



#### 14.3 Transport hazard class(es)

ADN/ADR/RID	3
IMDG/IMO	3
IATA/ICAO	3

#### 14.4 Packing group

ADN/ADR/RID	II
IMDG/IMO	II
IATA/ICAO	II

#### 14.5 Environmental hazards

Marine pollutant No

#### 14.6 Special precautions for user

Flammable liquid.

#### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable, packaged goods.

#### 14.8 EmS Number

F-E, S-D

#### 14.9 Transport Labels & Signs



### Section 15: Regulatory information

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

##### EU regulations

Directive 2009/104/EC – use of work equipment

Directive 98/24/EC - risks related to chemical agents at work

Directive 94/33/EC - young workers

Directive 92/85/EEC - pregnant workers

Directive 89/656/EEC - use of personal protective equipment

Directive 89/654/EEC - workplace requirements

## National regulations

**SVHC Candidate List of REACH Regulation Annex XIV Authorisation.**

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 Safety Assessment has not been carried out.

## Section 16: Other information

### Abbreviations and acronyms

<b>GHS</b>	Globally Harmonized System of Classification and Labelling of Chemicals.
<b>CLP</b>	Classification, labelling and packaging
<b>REACH</b>	Registration, Evaluation, Authorisation and Restriction of Chemicals
<b>CAS</b>	Chemical Abstracts Service
<b>EC No.</b>	European Community (EC) number(European Inventory of Existing Commercial Chemical Substances (EINECS), European List of Notified Chemical Substances (ELINCS), No-longer Polymers (NLP) List)
<b>ADN/ADR/RID</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways/ European Agreement concerning the International Carriage of Dangerous Goods by Road/ Regulation for rail International transportation of Dangerous goods
<b>IMDG/IMO</b>	International Maritime Code for Dangerous Goods/ International Maritime Organization
<b>IATA/ICAO</b>	International Air Transport Association/ International Civil Aviation Organization
<b>LC50</b>	Lethal concentration, 50 percent.
<b>LD50</b>	Lethal dose, 50 percent.
<b>EC50</b>	50% effective concentration
<b>BCF</b>	Bioconcentration factor
<b>NOEC</b>	no observed effect concentration
<b>LOEC</b>	Lowest Observed Effect Concentration
<b>OECD</b>	Organisation for Economic Co-operation and Development
<b>IARC</b>	International Agency for Research on Cancer.



<b>STEL</b>	<i>Short Term Exposure Limit</i>
<b>STEL-C</b>	<i>Short Term Exposure Limit - Ceiling value</i>
<b>TWA</b>	<i>Time-weighted average</i>
<b>MARPOL</b>	<i>International Convention for the Prevention of Pollution from Ships</i>
<b>PBT</b>	<i>Persistent, Bioaccumulative, Toxic</i>
<b>vPvB</b>	<i>very Persistent, very Bioaccumulative</i>
<b>POW</b>	<i>Partition coefficient Octanol:Water</i>

### Full text of H-Statements referred to under sections 2 and 3

<b>H225</b>	<i>Highly flammable liquid and vapour.</i>
<b>H314</b>	<i>Causes severe skin burns and eye damage.</i>
<b>H319</b>	<i>Causes serious eye irritation.</i>

### Training advice

*Chemical hazard awareness training, incorporating labelling, Safety Data Sheets (SDS), Personal Protective Equipment (PPE) and hygiene. Use of personal protective equipment, covering appropriate selection, compatibility, breakthrough thresholds, care, maintenance, fit and standards. First aid for chemical exposure, including the use of eye wash and safety showers. Fire prevention and fighting, identifying hazards and risks, static electricity, explosive atmospheres posed by vapours and dusts. Chemical incident response training.*

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

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