


# Safety Data Sheet

Sample Name: Hand Sanitizer

Effective Date: 2020-4-10

Compiler: 

Checker: 

Approver: 

Guangdong Institute of Analysis(China National Analytical Centre, Guangzhou)



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# Safety Data Sheet

## Hand Sanitizer

### 1. Product and Manufacturer Identification

Product name	2 oz. Hand Sanitizer		
Manufacturer/Supplier	Cosmetics Ltd.		
Address	Guangzhou City, Guangdong Province, China		
Telephone	+86-17620116823		
Email	499591269@qq.com	Post code	510000
MSDS No.	2020002380-1 bE	Effective date	April 10, 2020
Emergency phone	+86-17620116823	Contact person	Miss Liu

### 2. Hazards Identification

GHS Hazard Class	Flammable liquids (Category 2)		
Pictogram and signal word	 <b>Danger</b>		
Hazard statement	H225 Highly flammable liquid and vapour.		
Precautionary statement(s)	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground and bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical/ventilating/lighting equipment.</p> <p>P242 Use non-sparking tools.</p> <p>P243 Take action to prevent static discharges.</p> <p>P280 Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P370 + P378 In case of fire: Use water spray/dry powder/sand/water-resistant foam/carbon dioxide to extinguish.</p> <p>P403 + P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/container to the licensed disposal company.</p>		
Explosion hazards	May cause fire or explosion when exposed to high heat or flame.		

\* Classification according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (8th revised edition).

### 3. Composition/Information on Ingredients

Component	Range % by Wt.	CAS No.
Ethanol	67~75	64-17-5
Water	26~32	7732-18-5
Propylene Glycol	0.8~1.5	57-55-6
Carbomer	0.25~0.35	54182-57-9
Triethanolamine	0.2~0.3	102-71-6
Allantoin	0.008~0.01	97-59-6
Aloe Barbadensis Leaf Juice Powder	0.001~0.01	85507-69-3
Butylene Glycol	0.001~0.01	107-88-0
Artemisia Vulgaris Extract	0.001~0.01	84775-45-1

### 4. First Aid Measures

<b>Skin contact</b>	Rinse with water if you feel unwell. If experiencing skin symptoms, consult a physician.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye symptoms, consult a physician.
<b>Inhalation</b>	Remove to fresh air and keep comfortable for breathing if you feel unwell. If experiencing respiratory symptoms, consult a physician.
<b>Ingestion</b>	Induce vomiting. Rinse mouth and give large quantities of water to drink. If feel unwell, consult a physician.

### 5. Fire Fighting Measures

<b>Types of hazard</b>	May cause fire or explosion when exposed to high heat or flame.
<b>Hazardous combustion products</b>	Carbon oxides and other toxic/irritating fumes.
<b>Fire-fighting measures</b>	Move the containers to open ground. Use water spray to reduce the temperature of the fireground and containers until the fire is extinguished. Suitable extinguishing media: Water spray, dry powder, sand, water-resistant foam, carbon dioxide, etc.
<b>Special Information</b>	Use self-contained breathing apparatus and wear protective clothing. Avoid contact with eyes and skin.

### 6. Accidental Release Measures

Isolate the hazard area and keep unnecessary and unprotected personnel from entering.  
Removal of ignition sources. Use non-sparking tools and equipment.  
Wear self-contained positive pressure breathing apparatus and anti-static clothes.  
Soak up the leakage with inert absorbent material and recover into the suitable, closed containers for disposal.  
Flush the contaminated area with plenty water. Avoid release to environment.



## 7. Handling and Storage Measures

Handling	<p>Keep containers tightly closed when not in use.</p> <p>Ensure good ventilation/exhaustion at the workplace.</p> <p>Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools.</p> <p>Avoid static discharges. Keep away from sources of ignition or heat. No smoking.</p>
Storage	Stored in a cool, dry, ventilated area and equipped with adequate fire fighting equipments.

## 8. Exposure Controls / Personal Protection

	Component	CAS No.	Limited Values
Occupational exposure limits	Ethanol	64-17-5	<p>1000 ppm TWA (OSHA)</p> <p>1900 mg/m<sup>3</sup> TWA (OSHA)</p> <p>1000 ppm TWA (ACGIH)</p> <p>1900 mg/m<sup>3</sup> TWA (NIOSH)</p>
	Triethanolamine	102-71-6	5 mg/m <sup>3</sup> TWA (ACGIH)
Engineering controls	<p>Use explosion-proof electrical/ventilating/lighting equipment and non-sparking tools.</p> <p>In general, dilution ventilation is a satisfactory health hazard control for this substance.</p> <p>However, if the workers experiencing symptoms, a local exhaust system should be considered.</p> <p>Maintain eye wash fountain and quick-drench facilities in work area.</p>		
Inhalation protection	<p>If the exposure level is high and engineering controls are not feasible, a half facepiece or full-face piece air-purifying respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.</p> <p>WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.</p>		
Eye protection	Use safety goggles or face protections to protect against possible eye exposure.		
Skin protection	Wear protective gloves and anti-static clothing.		
Other protection	No information.		

## 9. Chemical and Physical Properties

Appearance and odor	Colorless viscous liquid, with weak odor.
pH	≈ 7
Relative density (water=1)	≈ 0.87
Solubility	Miscible with water.
Flash point	20°C (Closed Cup)
Flammability	Flammable liquid (Category 2).
Explosive properties	Not classified as explosive substance.

<b>Oxidizing properties</b>	Not classified as oxidizing substance.
<b>Main purpose</b>	Sanitizing and disinfecting.
<b>Other properties</b>	No data available.

## 10. Stability and Reactivity

<b>Stability</b>	Stable under ordinary conditions of use and storage.
<b>Incompatibilities</b>	Strong oxidizers, alkali metal.
<b>Conditions to avoid</b>	High heat, flame.
<b>Hazardous polymerization</b>	No data available.
<b>Hazardous decomposition</b>	Exposure to heat and flame may cause fire/explosion and release carbon oxides and other toxic/irritating fumes.

## 11. Toxicological Information

<b>Acute toxicity</b>	Ethanol (CAS No. 64-17-5): LD50 Oral - Rat - > 5000 mg/kg LD50 Dermal - Rabbit - > 5000 mg/kg Triethanolamine (CAS No. 102-71-6): LD50 Oral - Rat - > 5000 mg/kg
<b>Skin irritation/corrosion</b>	No data available.
<b>Eye damage/irritation</b>	No data available.
<b>Respiratory or skin sensitization</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Carcinogenicity</b>	The substance is not listed in IARC (International Agency for Research on Cancer) Category.
<b>Reproductive toxicity</b>	No data available.
<b>STOT-single exposure</b>	No data available.
<b>STOT-repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	May be harmful if the liquid entered the respiratory tract.
<b>Health hazards</b>	Skin Contact: May cause mild irritation. Eye Contact: May cause irritation. Inhalation: May causes respiratory tract irritation. Excessive inhalation may cause headache, fatigue and drowsiness. Ingestion: May be harmful if swallowed. May cause burning sensation, headache, confusion, dizziness and unconsciousness.
<b>Other toxicity</b>	No data available.



## 12. Ecological Information

Ecological toxicity	Ethanol (CAS No. 64-17-5): Toxicity to fishes LC50 - Pimephales promelas - 14200 mg/L - 96 h Toxicity to daphnia and other aquatic invertebrates LC50 - Ceriodaphnia dubia - 5012 mg/L - 48 h NOEC - Daphnia magna - 9.6 mg/L - 9 d Toxicity to algae EC50 - Chlorella vulgaris - 275 mg/L - 72 h
	Triethanolamine (CAS No. 102-71-6): Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia - 609.98 mg/l - 48 h
Persistence and degradability	Ethanol (CAS No. 64-17-5): Readily biodegradable. Triethanolamine (CAS No. 102-71-6): Readily biodegradable.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Others	No data available.

## 13. Disposal Information

Disposal measures	Offer surplus and non-recyclable contents/containers to a licensed disposal company.
Notes	Local disposal regulations may differ from Chinese regulations. Dispose in accordance with local country or state.

## 14. Transportation Information

Regulations	IATA DGR (61st Edition)	IMDG Code (2018 Edition)
UN No.	UN1170	UN1170
Proper Shipping Name	Ethanol solution	Ethanol solution
Hazard Class/Division	3	3
Packing Group	II	II
Packing Method	Y341, 353, 364	P001, IBC02, T4, TP1
Environmental hazards	Not regulated as environmentally hazardous substance/marine pollutants.	
Notes	No information.	

## 15. Regulatory Information

<b>Domestic authority regulations:</b> Regulations on the Safety Administration of Dangerous Chemicals (2011). This substance is listed in General rule for classification and hazard communication of chemicals (GB 13690-2009).
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**International Regulations:**

Commission Regulation (EC) No. 1907/2006 (REACH) and its amendments.

Commission Regulation (EC) No. 1272/2008 (CLP) and its amendments.

Waste Framework Directive 2008/98/EC and its amendments.

Toxic Substance Control Act (TSCA).

**16. Other Information**

According to	Safety Data Sheet for Chemical Products-Content and Order of Sections (ISO 11014: 2009)
Issue date	April 10, 2020
Prepared and checked by	Department of Physical Properties Test, China National Analytical Center, Guangzhou
Other information	—

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