

# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 1 of 7

## 1. Identification Of Substance

### Product Details

**Product Name:** HAND SANITIZER  
**Product Use:** Antiseptic bacteriostasis  
**Manufacturer/Supplier By:**

Guangdong, China

Tel: +86

Emergency Tel:

Fax:

## 2. Hazards Identification

This product is classified under 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation as follows:

**Classification according to** Flammable liquids (Category 2), H225  
**Regulation (EC) No. 1272/2008:** Serious Eye Damage/Irritation - Category 2A, H319

**GHS Label elements, including precautionary statements**

**Pictogram:**



**Signal word:**

Danger

**Hazard statement(s):**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Precautionary statement(s):**

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P243 Take precautionary measures against static discharge.

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

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

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

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

# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 2 of 7

## 3. Composition/Data On Components

COMPONENT	CAS No.	% By wt.
Aqua	7732-18-5	22.4%
Alcohol	64-17-5	76%
Tea-carbomer	9003-1-4	1%
Parfum	8023-88-9	0.2%
Aloe barbadensis leaf extract	94349-62-9	0.2%
Melaleuca alternifolia (tea tree) leaf oil	68647-73-4	0.1%
Rosmarinus officinalis (rosemary) leaf oil	8000-25-7	0.1%

## 4. First aid Measures

<b>Eye Contact:</b>	Flush eyes with large quantities of water. If irritation persists consult a physician.
<b>Skin Contact:</b>	If symptoms develop immediately wash contaminated area with plenty of lukewarm water. Discontinue use and seek medical advice.
<b>Inhalation:</b>	If breathing is affected, remove to fresh air.
<b>Ingestion:</b>	Rinse mouth. Get medical attention if any discomfort continues.

## 5. Fire Fighting Measures

<b>Extinguishing Media:</b>	CO <sub>2</sub> , Dry Chemical, Foam.
<b>Special hazard:</b>	Fumes may catch fire.
<b>Special Fire-Fighting Procedures:</b>	Wear self-contained breathing apparatus for firefighting if necessary.

## 6. Accidental Release Measures

<b>Personal precautions:</b>	Use personal protective equipment. No open flames. No smoking.
<b>Environmental precautions:</b>	Prevent from entering sewer system, surface water or soil.
<b>Methods for cleaning up:</b>	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.
<b>Reference to other sections:</b>	For disposal see section 13.

## 7. Handling And Storage

<b>Handling:</b>	Avoid contact with eyes. Use according to package label instructions. Do not taste or swallow.
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# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 3 of 7

Use only with adequate ventilation.

Keep away from open flames, hot surfaces and sources of ignition.

For external use only.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Avoid storage under direct sunlight. Keep out of reach of children.

## 8. Exposure Controls And Personal Protection

**Engineering controls:** This is a personal care product that is safe for consumers and other users under normal and reasonably foreseen use.

### Personal Protective equipment

**Ventilation:** No occupational exposure limits established.

**Respiratory protection:** None required under normal conditions of use.

**Hand Protection:** Not required under normal conditions of use.

**Eye Protection:** Not required under normal conditions of use.

**Body Protection:** Not required under normal conditions of use.

**General Safety and Hygiene measures:** Do not eat or drink while working with the product. Wash hands before breaks and at the end of work.

## 9. Physical And Chemical Properties

### General Information

**Form:** Gel

**Color:** Transparent

**Odor:** Alcohol odor

**Boiling Point:** > 35°C

**Melting Point:** No data available

**Flashpoint:** <20°C (Closed cup test )

**Vapor Pressure:** No data available

**Vapor Density:** No data available

**Solubility In Water:** 1:10

**Specific Gravity (H<sub>2</sub>O = 1):** 0.86

**pH:** 5.8-6.8 (1:10)

**Freezing Point:** No data available

**Molecular Weight:** No data available

## 10. Stability And Reactivity



# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 4 of 7

<b>Reactivity:</b>	None under normal use conditions.
<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Possibility of hazardous reactions:</b>	No data available.
<b>Conditions to avoid:</b>	Heat, flames and sparks.
<b>Incompatible materials:</b>	Strong oxidizing agents, strong acids, strong bases.
<b>Hazardous decomposition products:</b>	Hazardous decomposition products formed under fire conditions. - Carbon oxides

## 11. Toxicological Information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### Product Information

<b>Acute toxicity:</b>	CAS No.: 64-17-5 LD50 Oral - Rat - male and female - 10,470 mg/kg (OECD Test Guideline 401) LC50 Inhalation - Rat - male and female - 4 h - 124.7 mg/l (OECD Test Guideline 403) LC50 Inhalation - Rat - 4 h - 30,000 mg/l CAS No.: 9003-1-4 LD50 Oral - Rat - 2,500 mg/kg CAS No.: 8023-88-9 LD50 Oral - rat - 3,400 mg/kg Inhalation: no data available LD50 Dermal - rabbit - > 5,000 mg/kg CAS No.: 8000-25-7 LD50 Oral - Rat - 5,000 mg/kg Inhalation: No data available LD50 Dermal - Rabbit - > 10,000 mg/kg
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/eye irritation:</b>	CAS No.: 64-17-5 Eyes - Rabbit Result: Causes serious eye irritation. (OECD Test Guideline 405)
<b>Respiratory or skin sensitization:</b>	No data available

# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 5 of 7

<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity</b>	
<b>IARC:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity:</b>	No data available
<b>Specific target organ toxicity - single exposure:</b>	No data available
<b>Specific target organ toxicity - repeated exposure:</b>	No data available
<b>Aspiration hazard:</b>	No data available
<b>Potential health effects</b>	
<b>Eyes:</b>	May cause eye irritation.

## 12. Ecological Information

<b>Toxicity:</b>	CAS No.: 64-17-5 Toxicity to fish: flow-through test LC50 - Pimephales promelas (fathead minnow) - 15.3 mg/l - 96 h Sigma-Aldrich - E7023 Page 7 of 8 Toxicity to daphnia and other aquatic invertebrates: LC50 - Ceriodaphnia dubia (water flea) - 5,012 mg/l - 48 h NOEC - Daphnia magna (Water flea) - 9.6 mg/l - 9 d Toxicity to algae: EC50 - Chlorella vulgaris (Fresh water algae) - 275 mg/l - 72 h (OECD Test Guideline 201)
<b>General notes:</b>	Do not allow material to be released to the environment without proper governmental permits.

## 13. Disposal Considerations

<b>Product-Recommendation:</b>	Consult state, local or national regulations to ensure proper disposal.
<b>Uncleaned packagings-Recommendation:</b>	Disposal must be made according to official regulations.

# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 6 of 7

## 14. Transport Information

Department of Transportation (DOT)

UN No.: UN1170

UN Proper shipping name: HAND SANITIZER (Ethanol solution)

Description: UN1170, Alcohol, 3, II, Ltd. Qty.

Hazard Class: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing Group: II - Medium Danger

Special Provisions: 24, IB2, T4, TP1

Packaging Exceptions: 4b; 150

Quantity Limitations Passenger aircraft/rail: 5 L

Quantity Limitations Cargo aircraft only: 60 L

Vessel Stowage Location: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

Emergency Response Guide Number: 127

Transport by sea (IMDG)

UN No.: UN1170

UN Proper shipping name: HAND SANITIZER (Ethanol solution)

Description: UN1170, Alcohol, 3, II, Ltd. Qty.

Transport hazard class(es): 3 - Flammable liquids

Packing Group: II - substances presenting medium danger

Packing Instruction: P001

IBC Instruction: IBC02

Special Provisions: T4, TP1

Limited quantities: 1 L

Air transport (IATA)

UN No.: UN1170

UN Proper shipping name: HAND SANITIZER (Ethanol solution)

Description: UN1170, Alcohol, 3, II, Ltd. Qty.

Hazard Class: 3 - Flammable Liquids

Packing Group: II - Medium Danger

EMS Number: F-E, S-D

## 15. Regulations

Product related hazard

information:

Observe the general safety regulations when handling chemicals

National regulations:

All components of this product are listed in the EU Environmental



# Material Safety Data Sheet

File No.: RCO20CHE070017

Date of Issue: July 22, 2020

Page 7 of 7

Protection Agency Toxic Substances Control Act Chemical substance  
Inventory.

**Information about limitation of  
use:**

For use only by technically qualified individuals.

## 16. Other Information

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