

Safety Data Sheet (SDS) Report

Applicant: Global cosmetics (china) Company Limited

Global green tech industrial city, Tutang Village, Changping District,
Dongguan City, Guangdong Province, P.R.C**SDS number: P2020032003**

Issue Date: 2020-03-26

Sample Description:

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

Product Name : HAND SANITIZER

Physical State : Liquid

Data Received : Mar 20, 2020

Data Reviewed : Mar 26, 2020

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of OSHA HazCom Standard (2012), 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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HAND SANITIZER

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 03/26/2020

Revision date: 03/26/2020

Version: 1.0

SDS number: P2020032003

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : HAND SANITIZER

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Hand hygiene, disinfection

1.3. Supplier

Supplier

Global cosmetics (china) Company Limited

Global green tech industrial city, Tutang Village, Changping District, Dongguan City, Guangdong Province, P.R.C

T +86 0769 83392294

Emergency telephone: +86 0769 83392294

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1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids, Category 2 Highly flammable liquid and vapour.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : Highly flammable liquid and vapour.
Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use media other than water to extinguish.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

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| Name | Product identifier | % |
|-------------------------------|----------------------|----------|
| Ethanol | (CAS-No.) 64-17-5 | 73 |
| Water | (CAS-No.) 7732-18-5 | 25.607 |
| Glycerin | (CAS-No.) 56-81-5 | 1 |
| CARBOMER | (CAS-No.) 9003-01-4 | 0.3 |
| Triethanolamine | (CAS-No.) 102-71-6 | 0.09 |
| TOCOPHERYL ACETATE | (CAS-No.) 7695-91-2 | 0.001 |
| Hydrocotyle asiatica, extract | (CAS-No.) 84696-21-9 | 0.001 |
| ALOE BARBADENSIS LEAF EXTRACT | (CAS-No.) 85507-69-3 | 0.000999 |
| Citric acid | (CAS-No.) 77-92-9 | 0.000001 |

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : Allow affected person to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing.
- First-aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Highly flammable liquid and vapour.
- Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
- Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. No open flames. No smoking. Use only non-sparking tools.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment.
Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep in fireproof place. Keep container tightly closed.
Suitable packaging material : PET
Incompatible materials : Strong bases. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Ethanol (64-17-5) | |
|---|---|
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Ethanol |
| ACGIH TWA (mg/m ³) | 1884 mg/m ³ |
| ACGIH TWA (ppm) | 1000 ppm |
| ACGIH STEL (ppm) | 1000 ppm |
| Remark (ACGIH) | TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| Regulatory reference | ACGIH 2019 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Ethyl alcohol (Ethanol) |
| OSHA PEL (TWA) (mg/m ³) | 1900 mg/m ³ |
| OSHA PEL (TWA) (ppm) | 1000 ppm |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| USA - NIOSH - Occupational Exposure Limits | |
| NIOSH REL (TWA) (mg/m ³) | 1900 mg/m ³ |
| NIOSH REL (TWA) (ppm) | 1000 ppm |
| Glycerin (56-81-5) | |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Glycerin (mist) |
| OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (mist, total particulate) 5 mg/m ³ (mist, respirable fraction) |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |
| Triethanolamine (102-71-6) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Triethanolamine |
| ACGIH TWA (mg/m ³) | 5 mg/m ³ |
| Remark (ACGIH) | Eye & skin irr |
| Regulatory reference | ACGIH 2019 |

8.2. Appropriate engineering controls

No additional information available

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8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------------------|
| Physical state | : Liquid |
| Colour | : Colorless and transparent |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : 4 – 8 |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 78.5 °C |
| Flash point | : 17 |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : Highly flammable liquid and vapour. |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : 0.86 – 0.9 |
| Relative density | : No data available |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : 3000 – 6000 mPa·s |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

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10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Based on available data, the classification criteria are not met.
Acute toxicity (dermal) : Based on available data, the classification criteria are not met.
Acute toxicity (inhalation) : Based on available data, the classification criteria are not met.

| Ethanol (64-17-5) | |
|--------------------------|------------------------|
| ATE US (oral) | 10470 mg/kg bodyweight |

| Glycerin (56-81-5) | |
|---------------------------|------------------------|
| LD50 oral rat | 12600 mg/kg |
| LD50 dermal rabbit | > 10000 mg/kg |
| ATE US (oral) | 12600 mg/kg bodyweight |

| CARBOMER (9003-01-4) | |
|-----------------------------|------------|
| LD50 oral rat | 2500 mg/kg |

| Triethanolamine (102-71-6) | |
|-----------------------------------|-----------------------|
| LD50 oral rat | 4190 mg/kg |
| LD50 dermal rabbit | > 20000 mg/kg |
| ATE US (oral) | 4190 mg/kg bodyweight |

| Citric acid (77-92-9) | |
|------------------------------|-----------------------|
| LD50 oral rat | 5400 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE US (oral) | 3000 mg/kg bodyweight |

Skin corrosion/irritation : 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.
Germ cell mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.

| CARBOMER (9003-01-4) | |
|-----------------------------|----------------------|
| IARC group | 3 - Not classifiable |

| Triethanolamine (102-71-6) | |
|-----------------------------------|----------------------|
| IARC group | 3 - Not classifiable |

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.
Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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| CARBOMER (9003-01-4) | |
|---------------------------------------|--|
| LC50 fish 1 | 580 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus) |
| Triethanolamine (102-71-6) | |
| LC50 fish 1 | 10600 – 13000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| LC50 fish 2 | > 1000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| TOCOPHERYL ACETATE (7695-91-2) | |
| LC50 fish 1 | > 100 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| Citric acid (77-92-9) | |
| LC50 fish 1 | 440 mg/l |
| EC50 Daphnia 1 | 1535 mg/l 24 h |
| ErC50 (algae) | 425 mg/l |

12.2. Persistence and degradability

| HAND SANITIZER | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| Citric acid (77-92-9) | |
|-------------------------------|----------------|
| Persistence and degradability | Biodegradable. |

12.3. Bioaccumulative potential

| HAND SANITIZER | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| Triethanolamine (102-71-6) | |
|---|-------|
| BCF fish 1 | < 3.9 |
| Partition coefficient n-octanol/water (Log Pow) | -2.53 |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Handle empty containers with care because residual vapours are flammable.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1170 Ethanol solutions, 3, II

UN-No.(DOT) : UN1170

Proper Shipping Name (DOT) : Ethanol solutions

Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Packing group (DOT) : II - Medium Danger

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Hazard labels (DOT) : 3 - Flammable liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Special Provisions (49 CFR 172.102) : 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.
IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = $97 / (1 + a (tr - tf))$ Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 4b, 150

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT 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 (ERG) Number : 127

Other information : No supplementary information available.

Transport by sea

Transport document description (IMDG) : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

UN-No. (IMDG) : 1170

Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Class (IMDG) : 3 - Flammable liquids

Packing group (IMDG) : II - substances presenting medium danger

Limited quantities (IMDG) : 1 L

Air transport

Transport document description (IATA) : UN 1170 Ethanol solution, 3, II

UN-No. (IATA) : 1170

Proper Shipping Name (IATA) : Ethanol solution

Class (IATA) : 3 - Flammable Liquids

Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Ethanol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Water (7732-18-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

Ethanol (64-17-5)

Listed on the Canadian DSL (Domestic Substances List)

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| |
|---|
| Water (7732-18-5) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Glycerin (56-81-5) |
| Listed on the Canadian DSL (Domestic Substances List) |
| CARBOMER (9003-01-4) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Triethanolamine (102-71-6) |
| Listed on the Canadian DSL (Domestic Substances List) |
| TOCOPHERYL ACETATE (7695-91-2) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Hydrocotyle asiatica, extract (84696-21-9) |
| Listed on the Canadian DSL (Domestic Substances List) |
| ALOE BARBADENSIS LEAF EXTRACT (85507-69-3) |
| Listed on the Canadian DSL (Domestic Substances List) |
| Citric acid (77-92-9) |
| Listed on the Canadian DSL (Domestic Substances List) |

EU-Regulations

| |
|--|
| Water (7732-18-5) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| Glycerin (56-81-5) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| Triethanolamine (102-71-6) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |
| TOCOPHERYL ACETATE (7695-91-2) |
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| Citric acid (77-92-9) |
| Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) |

National regulations

| |
|---|
| Water (7732-18-5) |
| Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) |
| Glycerin (56-81-5) |
| Listed on the AICS (Australian Inventory of Chemical Substances) Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China) Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory Listed on the Japanese ISHL (Industrial Safety and Health Law) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory) |

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CARBOMER (9003-01-4)

Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
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Listed on INSQ (Mexican National Inventory of Chemical Substances)
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Triethanolamine (102-71-6)

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Citric acid (77-92-9)

Listed on the AICS (Australian Inventory of Chemical Substances)
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Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

15.3. US State regulations

No additional information available

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Initial date : 03/26/2020

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.