

INFORMATION DATA SHEET

1. Product and company identification

1.1 Product name: Hand Sanitizer

1.2 Product identification: Hand Sanitizer

2. Hazards identification

2.1 Hazard category: Flammable liquid

2.2 Invasion route: Inhalation, ingestion, percutaneous absorption.

2.3 Health hazard: This product is a central nervous system inhibitor. First excited, then inhibited.

2.4 Environmental hazard: This substance may be harmful to the environment and special attention should be paid to water .

2.5 Fire hazard: Flammable

3. Composition/information on ingredients

☐ Substance		☒ Mixture
INCI Declaration	CAS Number	Total% Added
ALCOHOL	64-17-5	58
AQUA		39.90
GLYCERIN	56-81-5	2
TOCOPHERYL ACETATE	58-95-7	0.10

4. First aid measures

4.1 Skin contact: Remove contaminated clothing and rinse with plenty of running water.

4.2 Eye contact: Immediately lift eyelids, rinse with flowing water or normal saline, seek medical attention if serious.

4.3 Inhalation: Quickly exit the site to fresh air. Seriously, seek medical attention if serious.

4.4 Ingestion: Drink plenty of warm water and induce vomiting. Seek medical attention.

5. Fire fighting measures

- 5.1 Dangerous characteristics:** Its vapor and air can form an explosive mixture, causing fire and explosion in case of open fire and high heat. Contact with oxidizer will result in chemical reaction or combustion. In a fire, the heated container is in danger of explosion. Its vapor is heavier than air and can spread to a relatively distant place at a lower place. In case of high heat, the pressure in the container increases, and there is a risk of cracking and explosion.
- 5.2 Suitable extinguish media:** Extinguishing powder, CO₂, sand, foam.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Quickly evacuate personnel from the contaminated area to the safe area, and conduct isolation to strictly limit access. Cut off the fire source. It is recommended that emergency personnel wear self-contained positive pressure breathing apparatus and anti-static overalls. Cut off the leak source as much as possible.

- 6.2 Environmental precautions:** No discharge into the environment is allowed without treatment.

6.3 Methods and material for containment and cleaning up

Small amount of leakage: Adsorption with sand or other incombustible materials. It can also be rinsed with a large amount of water, diluted in water and placed in the wastewater system.

A large number of leaks: building a dike or digging a pit. Cover with foam to reduce steam hazards. Transfer to a tank truck or special collector with an explosion-proof pump, recycle or transport to a waste disposal site for disposal.

7. Handling and storage

7.1 Handling precautions:

Keep away from fire, heat, and smoking in the workplace. Use explosion-proof ventilation systems and equipment. Prevent vapor from leaking into the workplace air. Avoid contact with oxidants, acids, alkali metals, amines. The flow rate should be controlled during filling and grounded to prevent static buildup.

7.2 Storage Precautions

Store in a cool, ventilated warehouse. Keep away from fire and heat. The temperature of the reservoir should keep 15 °C~25°C. Keep the container sealed. It should be stored separately from oxidants, acids, alkali metals, amines, etc., and should not be mixed. Explosion-proof lighting and ventilation facilities are used. It is forbidden to use mechanical equipment and tools that are prone to sparks. The storage area should be equipped with leakage emergency treatment equipment and suitable containment materials. Equipped with the appropriate variety and quantity of fire equipment.

8. Exposure controls / personal protection

8.1 Exposure limit: No data available

8.2 Biological limit: No data available

8.3 Monitoring method: No data available

8.4 Engineering control: The production process is closed and fully ventilated. Safety showers and eyewash equipment are provided.

8.5 Respiratory protection: Generally no special protection is required, and a filter-type gas mask (half mask) can be worn when exposed to high concentrations.

8.6 Eye protection: Generally no special protection is required.

8.7 Skin and body protection: Wear anti-static overalls.

8.8 Hand protection: Wear general working protective gloves.

8.9 Other protection: Smoking is strictly prohibited on the job site.

9. Physical and chemical properties

Appearance: clear liquid or clear gel

Colour: Colorless to yellowish

Odour: Characteristic

pH: 4.0-10.0

10. Stability and reactivity

10.1 Stability: Stable

10.2 Incompatible materials: Strong oxidizing agents, acids, acid anhydrides, alkali metals, amines.

10.3 Conditions to avoid: Open flames and high temperatures

10.4 Dangerous reaction: No data available

10.5 Hazardous decomposition products: No data available

11. Toxicological information

11.1 Acute toxicity: No data available

11.2 Irritation: No data available

12. Ecological information

12.1 Ecotoxicity: No data available

12.2 Biodegradability: No data available

12.3 Non-biodegradability: No data available

12.4 Other harmful effects: Long-term accumulation will cause pollution to the water environment.

13. Disposal guidelines

13.1 Disposal method

Product: It is recommended to use incineration.

Unclean packaging: No data available

13.2 Disposal considerations: Refer to national and local regulations before disposal.

14. Transport information

14.1 UN number: 1170

14.2 Hazard category: 3

14.3 Packaging categories: II

14.4 Packaging marks: Flammable liquid

14.5 Transportation precautions: Transport vehicles should be equipped with corresponding types and quantities of fire equipment and leakage emergency treatment equipment. It is best to ship morning and evening in summer. It is strictly prohibited to mix with oxidants, acids, alkali metals, amines and edible chemicals. In transit should be protected from the sun, rain, high temperature.

15. Regulatory information

China Safety and Technical Standards for Cosmetics(2015)

Regulations on the Safety Management of Dangerous Chemicals (Order No. 344 of the State Council),

"Dangerous Goods Name List" (GB12268-2005),Dangerous Goods Classification and Product Name Number (GB6944-2005),

"Code for the Preparation of Safety Technical Specifications for Hazardous Chemicals" (GB16483-2000),

The Classification and Marking of Commonly Used Hazardous Chemicals (GB13690-92)

16. Other relevant information

The provided information is based on data considered to be accurate at the best of our knowledge. However no warranty can be given in the accuracy or completeness of the foregoing data and on information contained in this document, they do not constitute sales specifications.