

SAFETY DATA SHEET

Section 1: Identification

Product Name: Hand Sanitizer

Chemical Name/Synonyms: ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Company: ZHEJIANG GUOYAO JINGYUE AEROSOL COMPANY., LTD

In emergency call 911.

For information about this SDS, use this department contact phone#: +86 15720110120

Section 2: Hazard(s) Identification

See <https://www.sigmaaldrich.com/safety-center/globally-harmonized.html> for a list of hazard classifications, signal words, hazard statements, pictograms, precautionary statements, and a description of hazards.

Hazard Classification: Flammable liquid, Category 2

Signal Word(s): Darning

Hazard Statements: H225 Highly flammable liquid and vapor

Pictograms: [Click here to enter text.](#) **Delete pictograms that don't apply!**



Precautionary Statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.
P370 + P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.
P403 + P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local regulation.

Description of other hazards: No data.

Section 3: Composition/ Information on Ingredients

Chemical Name	Synonym	CAS#	Conc.
Alcohol	n/a	64-17-5	71%
Aqua(water)	n/a	7732-18-5	26.939%
Glycerin	n/a	56-81-5	1%
Aloe Barbadosensis Leaf Juice	n/a	85507-69-3	0.5%
Carbomer	n/a	900-16-3	0.32%
Triethanolamine	n/a	102-71-6	0.24%
Tocopheryl Acetate	n/a	58-95-7; 7695-91-2	0.001%

Section 4: First-Aid Measures

After skin contact: Generally no stimulation to the skin. If high concentration exposure causes discomfort. Wash exposed skin with soap and water in abundance. Remove contaminated clothing and wash before re use. Consult a physician.

After eye contact: Check for and remove any contact lenses. Flush immediately with plenty of cold water for 15 minutes, while holding eyelids apart. Call a poison center or doctor/physician.

After inhalation: Remove person to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, give artificial respiration.

After swallowing: Do NOT induce vomiting. Seek immediate medical attention.

Section 5: Fire-Fighting Measures

Suitable extinguishing agents: SMALL FIRE: Use dry chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special protective equipment for firefighters: For fires in enclosed areas, wear full protective clothing and self-contained breathing air apparatus to fight fires.

Section 6: Accidental Release Measures

Personal precautions: Use proper personal protective equipment as indicated in Section 8. Ensure adequate ventilation.

Measures for environmental protection: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Measures for cleaning/collecting: Dilute with water and mop up, or absorb with an inert dry material. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling: Avoid contact with skin and eyes. Provide appropriate exhaust ventilation. Normal measures for preventive fire protection. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek

medical advice immediately and show the container or the table. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage: Keep locked up. Keep container tightly closed in a dry and well-ventilated place. Store in cool place and keep ignition sources away. Keep away from heat.

Section 8: Exposure Controls/Personal Protection

General protective and hygienic measures: Good personal hygiene practices should always be followed.

Breathing equipment: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Protection of hands: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of I contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Section 9: Physical and Chemical Properties

Form: Gel

Odor: Alcohol

Odor threshold: N/A

pH: 6.5-8.0

Melting point/melting range: <0°C

Boiling point/boiling range: No data

Flash point: <20.0°C (closed)

Evaporation rate: No data

Flammability: flammable liquid

Upper/lower flammability or explosive limits: No data

Auto ignition temperature: No data

Danger of explosion: No data

Vapor pressure: No data

Vapor density: No data

Relative density: 0.8-0.9

Solubility in/Miscibility with water: Soluble

Section 10: Stability and Reactivity

Reactivity: No data.

Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: Heat, sources of ignition.

Incompatible materials: Reactive with strong oxidant.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Section 11: Toxicological Information

Acute toxicity: No data available.

Potential routes of exposure/potential health effects: Inhalation-May be harmful if inhaled. May cause respiratory tract irritation.

Skin: No data available.

Eye: No data available.

Inhalation: No data available.

Ingestion: No data available.

Carcinogenic effects: No data available.

Mutagenic effects: No data available.

Reproductive toxicity: No data available.

Sensitization: No data available.

Target organs: No data available.

Section 12: Ecological Information (non-mandatory)

Ecotoxicity: No data available.

Mobility: No data available.

Biodegradation: No data available.

Bioaccumulation: No data available.

Section 13: Disposal Considerations (non-mandatory)

Waste Disposal: Dispose of in a manner consistent with federal, state, and local regulations, preferably by dissolution or mixture with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14: Transport Information (non-mandatory)

DOT regulations:

- **Hazard class:** 3
- **Land transport ADR/RID (cross-border):** no data
- **ADR/RID class:** not data
- **Maritime transport IMDG:** no data

Air transport ICAO-TI and IATA-DGR:

- **ICAO/IATA Class:** 3
- **UN/ID Number:** 1170
- **Packaging group:** II
- **Proper shipping name:** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 355 (extremely hazardous substances): No data available.

SARA Section 313 (specific toxic chemical listings): No data available.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): No data available.
TSCA (Toxic Substances Control Act): No data available.

Section 16: Other Information

References: Not available.

Guidance departments: Not available.

Data audit unit: Not available.

Laws Help: Not available.

Other Information: The above information is based on the data of which we are aware and is believed to correct as of the data hereof .Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

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