

Safety Data Sheet

1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Details

Trade Name: Hand Sanitizer

Application of the substance: Used for cleaning hands that germs in hands can be killed.

Manufacturer/Supplier: Tekweld

45 Rabro Drive, Hauppauge, NY 11788

Tel: 631-694-5503

Fax: 631-694-5568

E-Mail: compliance@tekweld.com

Information in Case of Emergency Tel: 631-694-5503

Contact Person: Compliance

2. Hazard Identification



Classification of the substance or mixture:

This product has been classified according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS and the OSHA Hazard Communication Standard (29 CFR 1910.1200):

- ***Flammable liquids*** (Category 3)
- ***Eye Irritation*** (Category 2B)
- ***Skin Irritation*** (Category 3 - mild)

Label elements (per OSHA Hazard Communication Standard 29 CFR 1910.1200):

- ***Signal Word:*** Warning
- ***Hazard Statements:***
 - *H226: Flammable liquid and vapor*
 - *H316: Causes mild skin irritation (in excessive quantities)*
 - *H320: Causes eye irritation*
 - *H303: May be harmful if swallowed in large quantities*
- ***Precautionary Statements:***
 - *P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.*
 - *P233: Keep container tightly closed.*
 - *P264: Wash hands thoroughly after handling.*
 - *P280: Wear protective gloves/eye protection if prolonged exposure is expected.*
 - *P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.*

Prepared in accordance with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), Revision 8 (2019)

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ASI 90807 | SAGE 67569 | PPAI 266346 | UPIC Tekweld

- P337 + P313: If eye irritation persists: Get medical advice/attention.
- P332 + P313: If skin irritation occurs: Get medical advice/attention.
- P301 + P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.
- P403 + P235: Store in a well-ventilated place. Keep cool.
- P501: Dispose of contents/container in accordance with local/regional/national regulations.
- **Hazards not otherwise classified (HNOC):**
 - None identified.
- **HMIS Ratings (Scale 0–4):**
 - Health: 1
 - Flammability: 2
 - Reactivity: 1
- **Potential Health Effects:**
 - **Skin Contact:** No hazard under normal use; excessive exposure may cause irritation.
 - **Eye Contact:** May cause slight irritation, including tearing and redness.
 - **Inhalation:** Not expected to pose an inhalation hazard under normal use conditions.
 - **Ingestion:** Ingesting large quantities may cause nausea or vomiting.
 - **Chronic Effects:** No chronic health effects identified.
 - **Carcinogenicity:** Not considered to be a carcinogen.

3. Composition/Information on Ingredients

Description: Mixture of substances listed below with additions.

Component Name	EC# (EINECS#)	CAS#	Weight %
Water	231-791-2	7732-18-5	37.029
Ethyl Alcohol	200-578-6	64-17-5	62.00
Carbomer	202-415-4	76050-42-5	0.06
Triethanolamine	203-049-8	102-71-6	0.051
Propylene Glycol	57-55-6	200-338-0	0.5
Glycerin	200-289-5	56-81-5	0.2
Tocopheryl Acetate	231-710-0	7695-91-2	0.01
Fragrance	/	/	0.15

4. First Aid Measures

Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:

- **Eye Contact:** Immediately raise eyelids and flush with lukewarm water for at least 15 minutes. If things do not get better, seek medical attention.
- **Skin Contact:** There are no relevant requirements as this product presents no hazards to skin.
- **Inhalation:** If any adverse effect occurs as a result of inhalation of excessive vapor, remove individual to fresh air.
- **Ingestion:** Do not induce vomiting unless under professional instructions.
- **Recommendations to Physicians:** Treat symptoms.

5. Fire-Fighting Measures

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- **Flammability of the Products:** Flammable liquid.
- **Suitable Extinguishing Media:** Use chemical foam, dry chemical, carbon dioxide or water.
- **Unusual Fire and Explosion Hazards:** Moderate explosion hazard when exposed to ignition source. Closed cans exposed in flame and heat may erupt scattering fragments.
- **Special Fire Fighting Precaution/Instructions:** Contact emergency personnel. Do not use high pressure stream of water to extinguish burning. Wear full protective equipment and a self-contained breathing apparatus. Hazardous combustion products may be released include small amounts of oxides of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons.

6. Accidental Release Measures

- **Personal Precautions:** Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate of ignition.
- **Precautions to Protect the Environment:** Should not be released into the environment. Prevent the product from entering drains. If large quantities enter a waterway, advise local authorities.
- **Methods for Cleaning Up:** Floor may become slippery. Dike and contain large spills with inert material (sand, earth ...) and transfer for disposal. Thoroughly wash the area with water after a spill or leak.

7. Handling and Storage

- **Handling:** Keep away from sources of ignition. No smoking. Avoid contact with eyes. For external use only.
- **Storage:** Keep out of the reach of children. Store upright and in original container. Keep container closed during storage. Do not store at temperatures above 49°C.

8. Exposure Controls/Personal Protection

- **Ventilation and Engineering Controls:** No special ventilation and engineering controls are required for handling of this product.
- **Personal Protective Equipment**
- **Respiratory Protection:** No special requirements with normal household use.
- **Skin Protection:** No special requirements with normal household use. Wear gloves if handling large quantities.
- **Eye Protection:** No special requirements with normal household use. Avoid contact with eyes. Wear safety glasses or goggles if handling large quantities.

9. Physical and Chemical Properties

General Information	
Odor:	Alcohol odor
Color:	Transparent and colorless
Form:	Gel
pH:	N/A
Melting Point/Range:	N/A
Boiling Point/Range:	85°C

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Ignition Temperature:	N/A
Flash Point:	24°C
Density (20°C):	N/A
Relative Vapor Density (Air=1):	N/A
Vapor Pressure:	N/A
Evaporation Rate & References:	N/A
Solubility in Miscibility with Water:	Soluble in Water
Explosion Limits in Air – Upper:	N/A
Explosion Limits in Air – Lower:	N/A

10. Stability and Reactivity

- **Chemical Stability:** Stable under normal temperatures and pressures.
- **Decomposition Products:** No toxic decomposition products have been found.
- **Materials which should be Avoided:** Strong acids, oxidants and ignition sources.
- **Hazardous Polymerization:** Will not occur.

11. Toxicological Information

General Information: This product is household product. The use of this product by consumer is safe under normal and reasonable foreseen use.

Acute Toxicity		
Ingredient	LC50	Toxicity Rating
Ethyl Alcohol (CAS# 64-17-5)	LD50 = 7,060 mg/kg (Oral, Rat)	Practically Non-Toxic
Triethanolamine (CAS# 102-71-6)	LD50=4,920mg/kg(Oral,Rat)	Slightly Toxic
Propylene Glycol (CAS# 57-55-6)	LD50=20,000mg/kg(Oral,Rat) LD50 20,800mg/kg (Skin, Rabbit)	Practically Non-Toxic Practically Non-Toxic
Glycerin (CAS# 56-81-5)	LD50=12,600mg/kg(Oral, Rat) LD50=10,000mg/kg(Skin, Rabbit)	Practically Non-Toxic Practically Non-Toxic

Chronic Effects: Due to the nature and composition of this product no chronic health effects are anticipated.

Carcinogenic Effects: IARC classifieds ethanol as “Human Sufficient Evidence” from chronic ingestion of alcoholic beverages.

Epidemiology: None of the ingredients in this product are known to have health-related information in working populations.

Mutagenic Effects: None of the ingredients in this product are known to cause mutagenicity.

Reproductive Toxicity: Ethanol crosses the placenta and can cause acute intoxication of the newborn or teratogenic effects, including fetal alcohol syndrome.

12. Ecological Information

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General Information: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Ecotoxicity		
<i>Ingredient</i>	<i>LC50/EC50 (Animal Specie)</i>	<i>Toxicity Rating</i>
<i>Ethanol</i>	<i>LC50=14.2mg/L (Pimephales Promelas, 96h)</i>	<i>Toxic</i>
<i>(CAS# 64-17-5)</i>	<i>LC50=12,900mg/L (Oncorhynchus Mykiss, 96h)</i>	<i>Practically Non-Toxic</i>
	<i>EC50=9,268mg/L (Daphnia magna, 48h)</i>	<i>Practically Non-Toxic</i>

Environmental Fate: The product is anticipated to be rapidly biodegradable.

Mobility: The mobility of this product (in soil and water) has not been determined.

Persistence and Degradability: The persistence and degradability of this product has not been determined.

Bioaccumulative Potential: The bioaccumulation potential of this product has not been determined.

13. Disposal Considerations

Waste Disposal Methods:

- Do not allow it to enter sewage system. Do not allow it to enter any water cause.
- When no longer needed, these articles may be disposed of as permitted by local water handling authority.

14. Transport Information

DOT Classification for Bulk Shipments (non-bulk shipments may differ): Not a DOT controlled material (United States).

Hazard Class Number and Description: Class 3

Proper Shipping Name: Flammable Liquids, N.O.S (Contain Ethanol)

Packing Group: I II

UN Identification: UN 1170

North American Emergency Response Guidebook Number, 2000: Not applicable

Marine Pollutant: No component of these products is designated as a Marine Pollutant, per Appendix B to 49 CFR 172.101.

15. Regulatory Information

USA

TSCA: All ingredients contained in this product are included on the US EPA Toxic Substances Control Act (TSCA) Inventory or exempt from listing on the TSCA Inventory.

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or reproductive toxicity.

HMIS Ratings (Scale 0-4, 0=Minimal, 1-Slight, 2-Moderate, 3-Serious, 4-Severe)

Health=1 / Fire=2 / Reactivity=1

EC Classification for the Substance/Preparation



Symbol(s) and Indication(s) of Danger:

F = Flammable

Risk Phase:

R10 Flammable
R22 Harmful if swallowed
R36 Irritating to eyes

Safety Phase:

S2 Keep out of the reach of children
S16 Keep away from heat
S62 Do not induce vomiting if it is swallowed. Seek medical attention immediately and show the label or container to the doctor.

16. Other Information

Abbreviations:

mg/m3 –Milligrams Per Cubic Meter
CAS# – Chemical Abstract Service number - used to uniquely identify chemical compounds
EC#-EINECS (European Inventory of Existing Commercial chemical Substances)
ACGIH – American Conference of Governmental Industrial Hygienists
OSHA – Occupational Safety and Health Administration
LD50 – Lethal Dose 50 Percent Kill
LC50 - Lethal Concentration 50 Percent Kill
DOT – Department of Transportation

Further Information:

- *This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*
- *This safety data sheet was prepared in accordance with ANSI Z400.1.*

Department Issuing MSDS: Tekweld

Issue Date: May 21, 2025

*******End*******

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