

SAFETY DATA SHEET

1. COMPANY IDENTIFICATION

Product Name: Product **LifeShield Hand Sanitizer – No Rinse**
Formulation ID: 17200005
Product Type: Finished Retail Product - Consumer Use
Recommended Use: Only Treatment for Skin
Restrictions on Use: Use only as directed on label.
Manufacturer: LifeTech Pharma, LLC
 690 W 1100 S Suite 6
 Ogden, UT 84404 USA
Distributor: LifeTech Distribution, LLC 803-414-0898
Emergency Transportation Telephone: Within USA and Canada: 1-801-621-0400

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT		EINECS No.	CAS No.	FORMULA	RESTRICTIONS
Alcohol (Ethanol)	Hazardous	200-578-6	64-17-5	17200005	
Distilled Water	Non Hazardous	231-791-2	7732-18-5		
Hydroxypropylcellulose	Non Hazardous	618-389-6	9004-65-3		
Glycerin	Non Hazardous	200-289-5	56-81-5		IV/63
D-limeonene	Non Hazardous	284-515-8	5989-27-5		
Aloe Vera Extract 200x	Non Hazardous	305-181-2	85507-69-3		

3. HAZARD IDENTIFICATION

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

This product is classified under 29CFR 1910.1200(d) as follows:

Hazard Category:

Classification:

2 - Flammable Liquid

2 - Skin Irritation

2 - Eye Irritation

Signal Word:

Danger

Hazard Statements:

Highly flammable liquid and vapor

Causes skin irritation.

Causes serious eye irritation

May cause respiratory irritation

May cause drowsiness or dizziness



Hazard pictograms:

Precautionary Statements Prevention:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements Response:

IF ON SKIN: Wash with plenty of water

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a POISON CENTER/doctor/physician if you feel unwell.

Specific treatment (see first aid section on this label).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

In case of fire: Use appropriate method to extinguish

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

Store in a well-ventilated place. Keep cool.

Precautionary Statements Storage:

Precautionary Statements Disposal:

Dispose of contents

Hazards not otherwise classified (HNOC):

None

Interactions with other chemicals:

None known

4. FIRST AID MEASURES

First aid measures for different exposure routes;

- Eye Contact:** In case of contact, immediately flush eyes with plenty of water, remove any contact lenses, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.
- Skin Contact:** Not expected to cause irritation, however it is best to wash skin with plenty of water while removing contaminated clothing and shoes. Get medical attention if irritation persists.
- Inhalation:** Remove to fresh air. Get medical attention if having difficulty in breathing.
- Ingestion:** Not an expected route of exposure. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea. DO NOT induce vomiting, but give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person. May cause symptoms similar to alcoholic intoxication.

Most important symptoms/effects, acute and delayed: Eye irritation.

Indication of immediate medical attention and special treatment needed:

Notes to Physician Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use Dry chemical, Carbon Dioxide, alcohol-resistant foam or water fog.

Unsuitable Extinguishing Media: High pressure water jet will spread the fire.

Special hazard: Highly flammable liquid and vapor. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Hazardous decomposition products are oxides of carbon and including carbon dioxide and carbon monoxide.

Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand

MSHA/NIOSH (approved or equivalent) and full protective gear. Water can be used to cool fire-exposed containers.

Specific hazards arising from the chemical: None.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal precautions: Avoid contact with eyes. Wear appropriate personal protective equipment. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc.) to prevent skin contact.

Advice for emergency responders: Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. A vapor suppressing foam may be used to reduce vapors. Flush spill area with water spray. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbents. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

Environmental Precautions: None known.

Methods and materials for containment and cleaning up:

Methods for containment: Contain spilled material with dikes or absorbents.

Methods for cleaning up:

Small Spill Procedure: Contain spilled material. Absorb with non combustible material and place in disposal container. Wash down area with detergent.

Large Spill Procedure: Contain spilled material. Prevent additional discharge of materials if possible to do without hazard. Dike large spills. Absorbed with inert material, sweep, or scrape up and containerize. Wear / use appropriate protective equipment. Treat or dispose of residue in accordance with all federal, state, and local requirements.

7. HANDLING AND STORAGE

Precautions for safe handling:

Advice on safe handling: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Use explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

Conditions for safe storage, including any incompatibilities:

Storage Conditions: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use. Secure container after each use.

Incompatible products: None known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Component	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	NOISH REL: TWA
Ethanol	N.D.	1900mg/m ³	1900mg/m ³	1900mg/m ³

Control parameters:

Exposure Guidelines: No relevant exposure guidelines for other ingredients

Exposure controls

No adverse effects expected but use adequate general or local exhaust ventilation to keep airborne concentrations to a minimum.

Personal Protective Equipment

Eye Protection: Requires Eye Protection. When splashing of the material may occur, chemical goggles and/or a face shield or are recommended.

Hand protection: Where contact is likely to occur, chemical resistant gloves should be used. Dispose of contaminated disposable gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin protection: Where contact is likely to occur, Use impervious protective clothing, including boots, gloves, lab coat, apron, or coveralls, as appropriate to prevent skin contact.

Respiratory Protection: Under normal use conditions with adequate ventilation and eye protection, no other special handling equipment is required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

General Hygiene: Wash and dry hands thoroughly after handling. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State @25°C:	Liquid
Appearance:	Slightly Hazy Thick Liquid
Odor:	Typical Fragrance
Odor threshold:	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks</u>
pH value:	6.6-7.6	@ 25°C
Melting / Freezing Point:	No information available	
Boiling Point / Boiling Range:	No information available	
Flash Point:	53°F	
Evaporation Rate:	No information available	
Flammability (solid, gas):	No information available	
Flammability Limits in Air;		
Upper flammability limit:	No information available	
Lower Flammability Limit:	No information available	
Vapor pressure:	No information available	
Vapor density:	No information available	
Relative density:	0.85-0.92	(H ₂ O = 1)
Water solubility:	Miscible	
Solubility in other solvents:	No information available	
Partition coefficient: n-octanol/water:	No information available	
Evaporation rate:	No information available	
Auto Ignition temperature:	No information available	
Decomposition Temperature:	No information available	
Viscosity of Product:	15-30@4/12	@ 25°C
VOC Content (%)	62%	

10. STABILITY AND REACTIVITY

Reactivity:	None under normal use conditions.
Stability:	Stable under normal conditions.
Hazardous polymerization:	Does not occur.
Hazardous Reactions:	None under normal processing.
Conditions to Avoid:	Avoid impact, friction, heat, sparks, flame and source of ignition.
Materials to avoid:	Prevent contact with combustible materials. Avoid contact with strong inorganic acids. Prevent contact with halogens. Prevent contact with strong oxidizing agents.
Hazardous Decomposition Products:	Upon combustion product will yield carbon monoxide, carbon dioxide and various hydrocarbons.

11. TOXICOLOGICAL INFORMATION

Product Information

Information on likely routes of exposure;

Inhalation: May be harmful if inhaled.
Skin contact: Causes skin irritation.
Ingestion: May be harmful if swallowed.
Eye contact: Causes eye irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity: No known effect.
Skin corrosion/irritation: No known effect.
Serious eye damage/eye irritation: No known effect..
Skin sensitization: No known effect.
Respiratory sensitization: No known effect.
Germ cell mutagenicity: No known effect.
Neurological Effects: No known effect.
Reproductive toxicity: No known effect.
Developmental toxicity: No known effect.
Teratogenicity: No known effect.
STOT - single exposure: No known effect.
STOT - repeated exposure: No known effect.
Target Organ Effects: No known effect.
Aspiration hazard: No known effect.
Carcinogenicity: No known effect.
Component Information: The **acute toxicity** effects of this product as a whole have not been tested. Data on individual components are tabulated below:

Hazardous Component	Oral LD50 mg/kg	Dermal LD50 mg/kg	Vapor LC50 mg/kg	Germ Cell Mutagenicity
Ethanol	>7060	>1440	>19,977.18	N.D.

12. ECOLOGICAL INFORMATION

Ecotoxicity: The **Ecotoxicity** effects of this product as a whole have not been tested. Data on Ethanol Alcohol are listed below:

Ethanol Alcohol			64-17-5		
Dosage	Species	Duration	Results	Exposure Conditions	Comments
12900 to 15300 mg/L	Fish: Rainbow Trout	96 Hour(s)	LC50	Flow-through @ 24-24.3°C	NDA

Persistence and degradability No data is available on the degradability of this product.
Bioaccumulative potential No information available.
Persistence and degradability: No information available.
Bioaccumulative potential: No information available.
Mobility: No information available.

Other adverse effects: No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste from Residues / Unused Products: Treat or dispose of waste material in accordance with all local, state (provincial), and national laws and regulations. This product, if it becomes a waste, is not considered a hazardous waste according to RCRA criteria (40 CFR 261).

Contaminated packaging: Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

PROPER SHIPPING NAME: UN1170, Ethanol Solution, 3, PG II. ERG #127.

Based upon the current product sizes, the following would apply...

U.S. DOT: (1) Ground shipments - For individual products that are less than 1 liter (33.8 oz.) this product can be shipped within the continental U.S. or Canada by ground as a Limited Quantity.

(2) Air shipments – See IATA rules below.

IATA: (1) For International Air transport, individual products that are up to 500mL (16.9 oz.) can be shipped as Limited Quantities. ID 8000, Consumer Commodity, 9, packing instruction Y963.

(2) For 500 mL to 5 L (169 oz.) sizes, this product would be shipped as UN1170, Ethanol Solution, 3, PG II, packing instruction 352. There is a limit of 5 L per carton on passenger aircraft and requires UN packaging (Example – 1 gallon).

(3) For 500 mL to 5 L (169 oz.) sizes, this product would be shipped as UN1170, Ethanol Solution, 3, PG II, packing instruction 364. There is a limit of 60 L per carton, requires UN packaging and shipped by cargo aircraft only (Example – 4 gallons).

IMO: UN1170, Ethanol Solution, 3, PG II. LIMITED QUANTITIES

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 302: No information available but none are believed to be reportable.

SARA 311/312: Fire Hazard, Acute Health Hazard, Chronic Health Hazard.

SARA 313: No information available.

CERCLA: No information available.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): No information available.

Clean Water Act: No information available.

California Proposition 65: This product is not subject to warning labeling under California Proposition 65.

California Cosmetics Act: Not reportable

U.S. State Regulations (RTK):

New Jersey Right to Know - Ethanol (CAS 64-17-5).

Pennsylvania Right to Know - Ethanol (CAS 64-17-5).

Massachusetts Right to Know - Ethanol (CAS 64-17-5).

No other state information available.

International Inventories

United States: All intentionally-added components of this product(s) are listed on the US TSCA Inventory.
Canada: All intentionally-added components of this product(s) are listed on the DSL or NDSL lists.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL - Canadian Domestic Substance List

NDSL - Canadian Non Domestic Substance List

16. OTHER INFORMATION

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

National Fire Protection Association (NFPA) Ratings: This information is intended solely for the use of individuals trained in the NFPA system.

NFPA Health: 1 Flammability: 2 Reactivity: 1 Special Notice: None

HMIS Health: 1 Flammability: 2 Reactivity: 1 Personal Protection: D

Disclaimer

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