



1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Premium Lavender Hand Sanitizer
Other names: N/A
CAS Registry #: N/A
UN/NA numbers: UN1987
Country of origin: USA
Molecular Formula: N/A
Supplier: Earth Elements, Inc.
Address: 4815 Murray Hills Dr., Chattanooga, TN 37416-2112
Telephone #: (423) 618-0621
Emergency #: (800) 262-8200 (Chemtrec)

Recommended use of the chemical and restrictions on use

Recommended use: Hand sanitizer

Restrictions on use: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product.

2. HAZARDS IDENTIFICATION

GHS Classification:

Flammable liquid: Category 3
Eye irritation: Category 2A
Acute toxicity oral: Category 4



GHS label elements

Hazard Pictograms:



Signal word:

Warning

Hazard statements:

- H226 Flammable liquid and vapor
- H303 May be harmful if swallowed
- H319 Causes serious eye irritation

Precautionary statements

Prevention:

- P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking.
- P233 Keep container tightly closed.
- P241 Use explosion-proof electrical/ventilating/lighting system.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response:

P303 & P361 & P353 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.

P305 & P351 & P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 & P313 If eye irritation persists: Get medical advice/attention.

Storage:

P403 & P235 Store in a well-ventilated place. Keep cool.



Disposal:

P501 Dispose of contents/container in an approved waste disposal plant.

Other hazards

Vapors may form explosive mixture with air.

3. SUBSTANCE:

Mixture

Product Name	CAS #	EC #	Concentration
Ethanol	64-17-5	200-578-6	70-80%
Water	7732-18-5	231-791-2	10-14%
Hydrogen peroxide 3%	7722-84-1	231-765-0	0-3%
Glycerin	56-81-5	200-289-5	0-1.5%
Linalool	778-70-6	201-134-4	0-3%%
Linalyl Acetate	115-95-7	204-116-4	0-3%
Camphor	76-22-2	200-945-0	0 – 1%

4. FIRST AID MEASURES**4.1 Description of first aid measures:****General Advice**

In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt, seek medical advice.

Inhalation

If inhaled, move to an area with fresh air. Get medical attention if symptoms occur.

Skin Contact:

Remove contaminated clothing. Wash area with water and soap as a precaution. If irritation occurs, get medical attention.

Eye Contact

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation occurs.

Ingestion

If swallowed, DO NOT induce vomiting. Rinse mouth thoroughly with water. Seek medical attention or contact local Poison Control Center if symptoms occur.



4.2 Most important symptoms and effects, both acute and delayed:

Can cause serious eye injury

Symptoms/injuries after skin contact:

No known adverse effects. May cause slight skin irritation in sensitive individuals.

Symptoms/injuries after ingestion:

May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

5. FIRE-FIGHTING MEASURES**Product has flammable properties**

Storage: Store between 15-30°C (59-86°F)

5.1 Suitable extinguishing media

- Water spray
- Carbon dioxide
- Alcohol-resistant foam
- Dry chemical

Unsuitable extinguishing media

High volume water jet

5.2 Special hazards arising from the substance or its mixture**Fire hazard**

Do not use a steady water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapors may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.

Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from the area if it is safe to do so. Evacuate area.

Protection during fire-fighting

Keep upwind of fire. Wear full fire-fighting turnout gear (full Bunker gear) and respiratory protection (SCBA). Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.



5.3 Advice for fire-fighters

Keep upwind of fire. Wear full fire-fighting turnout gear (full Bunker gear) and respiratory protection (SCBA). Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2 Methods and materials for containment and cleaning up

For containment

Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Person Protective Equipment (PPE).

For cleaning up

Scoop up material and place in a disposal container. Provide ventilation. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 & 15 of this SDS provide information regarding certain local or national requirements.

6.3 Reference to other sections

See Section 8 for further information on protective clothing and equipment and Section 13 for advice on waste disposal.



7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Additional hazards when processed

Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling

Keep away from sources of ignition – no smoking. Avoid contact with eyes. Avoid breathing vapor or mist. Handle and open container with care. Take precautionary measures against static discharge. Use only non-sparking tools. When using, do not eat or drink. Use only outdoors or in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures

Proper grounding procedures to avoid static electricity should be followed.

Storage conditions

Keep out of the reach of children. Keep container tightly closed and in a well-ventilated place. Keep away from heat, sparks and flame. Keep cool.

Materials to avoid

Do not store with the following product types: strong oxidizing agents, organic peroxides, flammable solids, gas, pyrophoric liquids or solids, explosives, self-heating substances or mixtures.

7.3 Specific end use(s)

Keep out of the reach of children.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Ingredients with workplace control parameters

Ingredients	CAS #	Value type (form of exposure)	Control parameters (Permissible concentrations)	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m ³	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m ³	OSHA Z-1
		STEL	1,000 ppm	ACGIH
		TWA	3,300 ppm (10% LEL)	IDLH



8.2 Exposure controls

Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits

Hand protection

Wear impervious gloves.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental exposure controls

Maintain levels below Community environmental protections thresholds.

Other information

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

8. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Color:	Clear, colorless to pale yellow
Odor:	Alcohol and sweet floral, herbaceous odor
Odor threshold:	No data available
pH:	6.0 – 8.5
Melting point/freezing point:	No data available
Initial boiling point & boiling range:	70°C (158°F)
Flash point:	25°C – (77°F)
Relative evaporation point:	No data available
Flammability (solid, gas):	Not applicable
Explosive limits:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available
Vapor pressure:	No data available
Density:	0.847 (water = 1) @ 20°C (68°F)
Relative vapor density:	No data available
Solubility:	Infinite
Partition coefficient: n-octanol water	No data available
Auto-ignition temperature:	No data available



Decomposition temperature:	The mixture is not classified self-reactive
Viscosity:	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Molecular weight:	No data available
Conversion factor:	No data available

9. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal storage conditions. May form flammable/explosive vapor/air mixture. Keep in a cool place.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use. Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.

10.4 Conditions to avoid

- Heat
- Incompatible materials
- Ignition sources

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

10. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Ingestion
Eye contact

Acute toxicity

Not classified based on available information



Product:

Acute oral toxicity: Acute toxicity estimate: > 5,000mg/kg
Method: Calculation method

Ingredients:

Ethanol:

Acute oral toxicity: LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity: LC50 (Rat): 124.7 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Skin corrosion/irritation: Not classified based on available information

Product:

Result: No skin irritation

Ingredients:

Ethanol:

Species: Rabbit
Method: OECD Test Guideline 404
Result: No skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation

Ingredients:

Ethanol:

Species: Rabbit
Result: Irritation to eyes, reversing within 21 days
Method: OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information
Respiratory sensitization: Not classified based on available information

Product:

Assessment: Does not cause skin sensitization

Ingredients:

Ethanol:

Test type: Local lymph node assay (LLNA)
Routes of exposure: Skin contact
Species: Mouse
Result: Negative



Germ cell mutagenicity

Not classified based on available information

Ingredients

Ethanol:

Genotoxicity in vitro: Test type: In vitro mammalian cell gene mutation test
Result: Negative

Genotoxicity in vivo: Test type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Mouse
Application route: Ingestion
Result: Negative

Carcinogenicity: Not classified based on available information

Reproductive toxicity: Not classified based on available information

Ingredients:

Ethanol:

Effect on fertility: Test type: Two-generation reproduction toxicity study
Species: Mouse
Application route: Ingestion
Method: OECD Test Guideline 416
Result: Negative

STOT - single exposure:

Not classified based on available information

STOT - repeated exposure:

Not classified based on available information

Aspiration Toxicity:

Not classified based on available information

11. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Harmful to aquatic life with long lasting effects. Avoid any pollution of surface, ground or underground water.

12.2 Persistence and degradability

Not established



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- 12.3 Bio-accumulative potential**
Not established

 - 12.4 Mobility in soil**
No additional information available

 - 12.5 Other adverse effects**
Effect on global warming: No known ecological damage caused by this product.
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12. DISPOSAL CONSIDERATIONS

Review federal, provincial and local government requirements prior to disposal. Store material for disposal as indicated in Storage Conditions. Disposal by controlled incineration or secure landfill may be acceptable.

13. TRANSPORT INFORMATION

Internal Regulation

UNRTDG

UN Number:	UN 1987
Proper shipping name:	ALCOHOLS, N.O.S. (Ethanol)
Class:	3
Packing group:	III
Labels:	3

IATA-DGR

UN/ID No.	UN 1987
Proper shipping name:	ALCOHOLS, N.O.S. (Ethanol)
Class:	3
Packing group:	III
Labels:	Flammable Liquids
Packing instruction (cargo aircraft):	366
Packing instruction (passenger aircraft):	355



IMDG-Code

UN Number:	UN 1987
Proper shipping name:	ALCOHOL, N.O.S. (Ethanol)
Class:	3
Packaging Group/Category:	III
Labels:	3
EmS Code:	F-E, S-D
Marine pollutant:	Yes

Domestic Regulation

Shipping name and description:	UN 1987
Proper shipping name:	ALCOHOLS, N.O.S. (ethanol)
Class:	3
Packaging Group/Category:	III
Labels:	Flammable liquid



ERG Code:	127
Marine pollutant:	Yes

14. REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) 1988

CCOHS WHMIS 1988 Classification:

D2B – Poisonous and infectious material – Other effects – toxic

WHMIS 1988 Ingredient Disclosure List: Included for disclosure at 0.1% or greater

EUROPEAN UNION (EU) CLASSIFICATION AND LABELING INFORMATION

This EU classification information reflects the 29th Adaptation to Technical Progress (ATP) of Council Directive 67/548/EEC. The EU has adopted the 30th ATP (2008/58/EC of 21 August 2008) and 31st ATP (2009/2/EC of 15 January 2009) of this Council Directive. See:

<http://ecb.jrc.ec.europa.eu/esis> for current information.



EU Classification:

EU Risk Phrases:

EU Safety Phrases: Keep out of reach of children.

* Keep container tightly closed. Keep away from sources of ignition. No smoking.

* This safety phrase can be omitted from the label when the substance or preparation is sold for industrial use only.

15. OTHER INFORMATION

Other Information: None

Disclaimer & Caution

The information contained in this Safety Data Sheet is obtained from published sources and is believed to be accurate. No warranty, express or implied, is made. Our company assumes no liability resulting from the use of this SDS. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee and customer exposures, property damage, or release to the environment and must determine suitability of this information for his or her application.