SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product Identifier

PRODUCT NAME: PURE TERPENELESS LEMON EXTRACT (**ELE**)

SUPPLIER: **OliveNation LLC**
ADDRESS: **13 Robbie Road, Ste. A4, Avon, MA 02322**
PHONE: **617-580-3667**

1.2 Relevant identified uses of the substance or moisture and uses advised against

Recommended Use Food and beverage flavoring

1.3 Details of the supplier of the safety data sheet

For further information, please contact
Email: support@olivenation.com

1.4 Emergency Telephone Number

Emergency Telephone: Chemtrec 1-800-424-9300 for US/ 703-527-3887 outside US

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Acute aquatic toxicity	Category 3
Flammable liquids	Category 3

Classification according to EU Directives 67/548 EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

Symbols
Not Dangerous

2.2 Label Elements

Signal Word
Warning

Hazard Statements
H402-Harmful to aquatic life
H226- Flammable liquid and vapor
Precautionary Statements
P370 + P378 – In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction
P210 – Keep away from heat/sparks/open flames/ hot surfaces. – No smoking.

SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

3.1. Substances

Product contains ethanol at a percentage below the cut off concentration limit and does not present a health risk

3.2 Mixture

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Health Hazard	0
Fire Hazard	3
Reactivity	0

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion: Clean mouth with water and drink afterwards plenty of water.

Inhalation: Move to fresh air.

4.2 Most important symptoms and effects, both acute and delayed

Abdominal pain.
Confusion, slurred speech.
Internal (stomach and intestinal) bleeding.
Slowed breathing.
Stupor (decreased level of alertness), even coma.
Unsteady walking.
Vomiting, sometimes bloody.
Chronic alcohol overuse can lead to additional symptoms and multiple organ failure.

4.3 Indication of any immediate medical attention and special treatment needed

Seek immediate medical attention if any of the above symptoms are present.

Note to physicians Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. use alcohol-resistant foam.

Extinguishing media which shall not be used for safety reasons
No information available

5.2 Special Hazards arising from the substance or mixture

Special Hazard
None

5.3 Advice for firefighters

Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
See Section 12 for additional Ecological information.

6.2 Environmental precautions

Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Health Hazard	0
Fire Hazard	3
Reactivity	0

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Ensure adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Derived No Effect level (DNEL)	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2 Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye Protection	Tightly fitting safety goggles
Hand Protection	Protective gloves
Skin and Body Protection	Long sleeved clothing
Respiratory Protection	When workers are facing concentrations above the exposure limit, they must use appropriate certified respirators
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice
Environmental Exposure Controls	No information available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	**Liquid**
Odor	**Lemon**

Property	
pH	No Information available
Melting/freezing point	No Information available
Boiling point/boiling range	No information available
Flash point(closed cup)	**22ºC**
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 mm Hg 20ºC	No information available
Vapor density	No information available
Relative density	No information available

Specific gravity @ 25ºC	No information available
Specific gravity @20ºC	No information available
Refractive index	No information available
Water solubility	No information available
Partition coefficient: n-octanol/water	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available

9.2 Other information

VOC Content(%)	**60%**
Molecular weight	No information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is non-reactive.

10.2 Chemical Stability

The product is stable under normal pressures and temperatures.

10.3 Possibility of Hazardous Reactions

No known hazardous reactions.

10.4 Conditions to Avoid

Heat, flames, and sparks

10.5 Incompatible Material

No materials to be especially mentioned

10.5 Hazardous Decomposition Products

None under normal use conditions

SECTION 11: TOXICOLOGY INFORMATION

11.1 Information of toxicological effects
The following values are calculated based on chapter 3.1 of the GHS document (Rev. 1, 2005)

Acute toxicity	There is no data available for this product
Inhalation	There is no data available for this product
Eye contact	There is no data available for this product
Skin contact	There is no data available for this product
Ingestion	Symptoms include: Abdominal pain. Confusion, slurred speech. Internal (stomach and intestinal) bleeding. Slowed breathing. Stupor (decreased level of alertness), even coma. Unsteady walking. Vomiting, sometimes bloody. Chronic alcohol overuse can lead to additional symptoms and multiple organ failure.
Acute toxicity	100%of the mixture consists of ingredient(s) of unknown toxicity

11.2 Inhalation

Skin corrosion/irritation	No information available
Eye damage/irritation	No information available
Sensitization	No information available
Germ Cell Mutagenicity	No information available
Carcinogenicity	No information available
Specific target organ systemic toxicity(single exposure)	No information available
Specific target organ systemic toxicity(repeated exposure)	No information available
Target Organ Effects	Blood, Central nervous system, Eyes, Liver, Reproductive system, Respiratory system, Skin
Aspiration hazard	No information available

11.3 Carcinogen Reports

Not listed as a carcinogenic substance by the National Toxicology Program or has been found to be a potential carcinogen in the International Agency for Research on Cancer Monographs.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants

12.2 Persistence and Degradability

No information available

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

No information available

12.5 Results of PBT and vPvB

No information available

12.6 Other Adverse Effects

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Waste from residues/ unused products: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Contaminated Packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14: TRANSPORT INFORMATION

DOT

Proper shipping Name	EXTRACT, FLAVORING, LIQUID
Class	3
UN/ID No	1197
Packing Group	III

ICAO/IATA

UN/ID No	1197
Proper Shipping Name	EXTRACT, FLAVORING, LIQUID
Class	3
Packing Group	III
ERG Code	127

SECTION 15: OTHER REGULATORY INFORMATION

Federal and State Regulations:
California Prop 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning statute: Ethyl Alcohol 190 Proof California prop 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Organic Ethyl Alcohol 190 Proof California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute. Organic Ethyl alcohol 190 proof Rhode Island RTK hazardous substances: Organic Ethyl Alcohol 190 Proof Pennsylvania RTK: Organic Ethyl Alcohol 190 Proof Florida: Organic Ethyl Alcohol 190 Proof Massachusetts RTK Organic Ethyl Alcohol 190 Proof New Jersey: Organic Ethyl Alcohol 190 Proof TSCA 8(b) inventory: Organic Ethyl Alcohol 200 proof.

Other regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

WHMIS (Canada): Class B-2: Flammable liquid with a flash point lower than 37.8 deg C (100 deg F)

DSCL (EEC):
R11Highly Flammable. S2-Keep out of reach of children

National Fire Protections Association (USA):
Health: 0
Flammability: 3
Reactivity: 0
Specific Hazard: None

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

SECTION 16: OTHER INFORMATION

References: Not available

Other special Considerations: Not available

Revision Note: Not applicable.

Warning/Disclaimer: The ingredient(s) has not been tested, nor has it been deemed safe, for inhalation or use in electronic smoking devices, electronic nicotine delivery systems, electronic cigarettes or other similar devices (collectively "E-cigarettes").
In supplying this ingredient, OliveNation LLC instructs and by receiving this ingredient recipient confirms, that this ingredient will not be used in connection with the manufacture and distribution of E-cigarettes or any component thereof.

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