

SAFETY DATA SHEET

1: IDENTIFICATION

Product identifier

Product name	Terpinolene
Common names	Citrus Extract, Essential Oil, Terpene
Product number	H3008

Recommended use of the chemical and restrictions on use

Recommended use	Flavor / Flavour
Restrictions on uses	Consult with doctor before consuming

Details of the supplier of the safety data sheet

Manufacturer	Le Herbe, LLC.
Address	8429 Lorraine Rd. #107 Lakewood Ranch, Florida 34202
E-mail	info@leherbe.com
Website	leherbe.com
Customer service	1-941-213-7288
Emergency (USA)	1-800-424-9400 (CHEMTREC)
Emergency (EU Only)	+44 113 245 7552 (ENVIRON)

2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified (HNOC)

Not applicable.

Label elements

In accordance with CLP Regulation (EC) No. 1272 / 2008.

Hazard statements

The product contains no substance, which at their given concentration, are considered to be hazardous to health.

Other information

No information available.

3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance

CHEMICAL NAME	CAS #	EC #	TRADE SECRET
Citrus oil, ext.	5989-27-5	227-813-5	*

*Exact percentage (concentration) of composition has been withheld as a trade secret.

4: FIRST AID MEASURES

Description of first aid measures

Inhalation	Move to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash skin with soap and water.
Ingestion	Clean mouth with water and drink afterwards plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5: FIRE FIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large fire	Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.
Specific hazards arising from the chemical	No information available.
Hazardous combustion products	Carbon dioxide (CO ₂).
<u>Explosion data</u>	
Sensitivity to mechanical impact	None
Sensitivity to static discharge	None
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Pick up and transfer to properly labeled containers.

7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage conditions Keep container tightly closed in a dark, dry and well-ventilated area.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure limits

The following ingredients are the only ingredients of the product above the cut-off level (or level that contributes to the hazard classification of the mixture) which have an exposure limit applicable in the region for which this safety data sheet is intended or other recommended limit. At this time, the other relevant constituents have no known exposure limits from the sources listed here.

Appropriate engineering controls

Engineering controls

- Showers
- Eyewash stations
- Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection No special protective equipment required.

Skin and body protection No special protective equipment required.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Powder
Color	White to off white
Odor	Woody
Physical State	Solid
pH	3.5 - 5.0
Boiling Point	No data available.
Melting Point	No data available.
Relative Density	No data available.
Refractive Index	No data available.
Specific Gravity	No data available.
Vapor Pressure	No data available.
Vapor Density	No data available.
Decomposition Temperature	No data available.
Viscosity	No data available.
Flash Point (Closed Cup)	No data available.
Flammable Limits	No data available.
Auto Ignition Temperature	No data available.
Solubility	Soluble in water. Soluble in ethanol.
Evaporation Rate	No data available.
Partition Coefficient	No data available.
Other information	No data available.

10: STABILITY AND REACTIVITY

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	Keep away from artificial light, sunlight, high heat, and high humidity.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	None known based on information supplied.

11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
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Acute toxicity

Numerical measures of toxicity	No information available
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	No information available.
Germ cell mutagenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.
Other adverse effects	No information available.
Interactive effects	No information available.

12: ECOLOGICAL INFORMATION

Ecotoxicity

This overall composition has not been tested. Hemp oil is not classified as being acutely or chronically toxic to aquatic life. This product does not contain citrus as a byproduct of the distillation process, which are classified as being very toxic to the aquatic environment. However, due to the physical properties of this product (density and volatility) it will not remain in the environment for an extended period of time.

Persistence and biodegradability	Inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely.
Mobility in soil	Expected to volatilize from soil or water to the air and oxidize to carbon dioxide in the presence of sunlight.
PBT & vPvB assessment	No information available.
Other adverse effect	No information available.

13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

14: TRANSPORT INFORMATION

DOT	Not regulated.
TDG	No information available.
MEX	No information available.
ICAO (air)	No information available.
IATA	No information available.
IMDG	No information available.
RID	No information available.
ADR	No information available.
ADN	No information available.

15. REGULATORY INFORMATION

International inventories

TSCA	No information available.
DSL/NDSL	No information available.
EINECS	No information available.
ENCS	No information available.
IECSC	No information available.
KECL	No information available.
PICCS	No information available.
AICS	No information available.

U.S. Federal Regulations

2018 Farm Bill - Enacted

“The term ‘hemp’ means the plant *Cannabis sativa* L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9 tetrahydrocannabinol concentration of not more than 0.3 percent on a dry weight basis.”

SEC. 10114. Interstate Commerce

(a) RULE OF CONSTRUCTION. - Nothing in this title or an amendment made by this title prohibits the interstate commerce of hemp (as defined in section 297A of the Agricultural Marketing Act of 1946 (as added by section 10113)) or hemp products.

(b) TRANSPORTATION OF HEMP AND HEMP PRODUCTS. - No State or Indian Tribe shall prohibit the transportation or shipment of hemp or hemp products produced in accordance with subtitle G of the Agricultural Marketing Act of 1946 (as added by section 10113) through the State or the territory of the Indian Tribe, as applicable.

CERCLA/SARA

CERCLA - Hazardous Substances and their Reportable Quantities None.

Section 302 Extremely Hazardous Substances and TPQs None.

Section 302 Extremely Hazardous Substances and RQs None.

Section 313 - Chemical Category None.

Section 313 - Reporting de minimis None.

EPA Label Information

Pesticide registration number Not applicable.

U.S. State Regulations

Florida

Statutes 581.217

Rule 5K-4.034

California Prop. 65

Chemicals known to the State of California to cause cancer

This product does not contain a chemical requiring a warning under California Prop. 65.

Chemicals known to the State of California to cause reproductive toxicity

This product does not contain a chemical requiring a warning under California Prop. 65.

Carcinogen Not listed.

Developmental Toxicity Not listed.

Male Reproductive Toxicity Not listed.

Female Reproductive Toxicity Not listed.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations.

16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

ACGIH	American Conference of Governmental Industrial Hygienists
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstracts Service
CFR	United States Code of Federal Regulations
DOT	United States Department of Transportation
DSL/NDSL	Canadian Domestic Substances List/Non-Domestic Substances List
ECHA	European Chemicals Agency
EINECS	European Inventory of Existing Chemical Substances
ENCS	Japan Existing and New Chemical Substances
FDA	United States Food and Drug Administration
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
GRAS	Generally Recognized as Safe
IARC	International Agency for Research on Cancer
ICAO	International Civil Aviation Organization
IECSC	China Inventory of Existing Chemical Substances
IMDG	International Maritime Code for Dangerous Goods
KECL	Korean Existing and Evaluated Chemical Substances
NFPA	National Fire Protection Association
NIOSH	United States National Institute for Occupational Safety and Health
NTP	United States National Toxicology Program
OSHA	United States Occupational Health and Safety Administration
PICCS	Philippines Inventory of Chemicals and Chemical Substances
RID	Regulations Concerning the International Transport of Dangerous Goods by Rail
TWA	Time Weighted Average
TSCA	United States Toxic Substances Control Act Section 8(b) Inventory

