

# SAFETY DATA SHEET

## 1: IDENTIFICATION

### Product identifier

<b>Product name</b>	Caryophyllene
<b>Common names</b>	Citrus Extract, Essential Oil, Terpene
<b>Product number</b>	H3007

### Recommended use of the chemical and restrictions on use

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

### Details of the supplier of the safety data sheet

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

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

#### Most important symptoms and effects, both acute and delayed

<b>Symptoms</b>	No information available.
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#### Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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### 5: FIRE FIGHTING MEASURES

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

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

## 10: STABILITY AND REACTIVITY

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

## 11: TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

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

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	No information available.
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### Acute toxicity

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

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

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

## 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

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

## 14: TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

### International inventories

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

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



**THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.**

**Caution**

The user should conduct his/her own experiments to determine the applicability of such information to, or the suitability of any products for your specific use.

Revision date    October 31, 2023

Revision note     No information available.

**Disclaimer**

The information provided in this Safety Data Sheet (SDS) is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.