

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Oregano Essential Oil
Product code	EO-OREGA
Botanical name	Thymus capitatus
CAS #	8007-11-2
Product use	Domestic and Industrial
Supplier	WFMed
Address	8245 Backlick Rd Unit D, Lorton VA 22079 USA
Telephone number	888-WFMED-97 (888-936-3397)
Emergency phone number	888-WFMED-97 (888-936-3397)

2. HAZARD(S) IDENTIFICATION

GHS Hazard Classification

Flammable liquids - Category 4 - H227
Acute toxicity, oral - Category 4 - H302
Aspiration hazard - Category 1 - H304
Acute toxicity, dermal - Category 3 - H311
Skin corrosion/irritation - Category 2 - H315
Sensitisation, Skin - Category 1 - H317
Serious eye damage/eye irritation - Category 1 - H318
Hazardous to the aquatic environment, acute hazard - Category 2 - H401
Hazardous to the aquatic environment, long-term hazard - Category 2 - H411

GHS Label Elements

Pictogram
Signal Word



Danger

Hazard Statements

H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements - Prevention

P210

Keep away from heat, hot surfaces, sparks, open flames and

P261
P264
P270
P272
P273
P280

other ignition sources. No smoking.
Avoid breathing dust/fumes/gas/mist/vapours/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response

P301+P310
P302+P352
P305+P351+P338
P310
P330
P331
P333+P313
P361
P363
P370+P378
P391

If swallowed: Immediately call a POISON CENTER or doctor/physician.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Rinse mouth.
Do NOT induce vomiting.
If skin irritation or a rash occurs: Get medical advice/attention.
Take off immediately all contaminated clothing.
Wash contaminated clothing before reuse.
In case of fire: CO2, dry chemical, or foam to extinguish.
Collect spillage.

Precautionary Statements - Storage

P405
Store locked up.

Precautionary Statements - Disposal

P501
Dispose of contents/container in accordance with local/regional/national/international regulation.

Hazards Not Otherwise Classified (HNOC)

1.911% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	CAS NO	Concentration
Origanum oil	8007-11-2	100%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

Skin Contact

Call a POISON CENTER or doctor if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Remove contamination clothing and shoes.

Inhalation

Remove to fresh air.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

CO2, dry chemical, dry sand, alcohol-resistant foam.

Specific hazards arising from the chemical

Combustible material. May be ignited by heat, sparks or flames.

Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with eyes and skin. Wear protective gloves/clothing and eye/face protection. Remove all sources of ignition (heat, flames and sparks).

Environmental precautions

See Section 12 for additional Ecological Information.

Methods and materials 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

Avoid contact with skin and eyes. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Conditions for safe storage, including any incompatibilities

Storage conditions

Store in a well-ventilated place. Keep cool. Store locked up.

Incompatible materials

None known based on information supplied.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
PINENE, ALPHA- (80-56-8)	TWA: 20 ppm	-	-

Exposure controls

Engineering controls

Showers, eyewash stations, ventilation systems.

Personal protective equipment

Eye/Face protection: Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin/Body protection: Avoid contact with skin. Wear protective gloves/clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear, yellowish red to dark brownish red
Odor	Characteristic odor
Flash point	> 63 °C (145 °F)
Specific gravity	0.938

10 . STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Fire hazard.

Possible hazardous reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight. Heat, flames and sparks.

Incompatible materials

None known based on information supplied.

Hazardous decomposition

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Symptoms

No information available.

Delayed, immediate and chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Risk of serious damage to eyes.
Corrosivity	Risk of serious damage to eyes.
Sensitization	May cause sensitization by skin contact.
Germ cell mutagenicity	None know.

Chemical Name	ACGIH	IARC	NTP	OSHA
CARVACROL (499-75-2)		Group 2A		X

IARC (International Agency for Research on Cancer)
Group 2A - Probably carcinogenic in humans
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
X - Present

Respiratory toxicity	This product does not contain any known or suspected reproductive hazards.
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	May be fatal if swallowed and enters airways.
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen

Numerical measures of toxicity

Unknown acute toxicity	1.911% of the mixture consists of ingredient(s) of unknown toxicity.
-------------------------------	--

12. ECOLOGICAL INFORMATION

Ecotoxicity
Toxic to aquatic life with long lasting effects.
14.07% of the mixture consists of component(s) of unknown hazard to the aquatic environment.

Persistence and degradability
No information available.

Bioaccumulative potential
No information available.

Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Product
Dispose of product in accordance with local regulations.

Contaminated packaging
Do not reuse container.

14. TRANSPORT INFORMATION

US DOT (Land)

UN/ID #	2810
Proper Shipping Name	Toxic Liquid, Organic, N.O.S.
Hazard Class	6.1
Packing Group	III

IMDG/IMO (Sea)

UN/ID #	2810
Proper Shipping Name	Toxic Liquid, Organic, N.O.S.
Hazard Class	6.1
Packing Group	III
EmS-No	F-A,S-F

IATA/ICAO (Air)

UN/ID #	2810
Proper Shipping Name	Toxic Liquid, Organic, N.O.S.
Hazard Class	6.1
Packing Group	III

15. REGULATORY INFORMATION

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Right-to-Know Regulations

<u>Chemical Name</u>	<u>New Jersey</u>	<u>Massachusetts</u>	<u>Pennsylvania</u>	<u>Rhode Island</u>
CYMENE, PARA- (99-87-6)		X		X
PINENE, ALPHA- (80-56-8)	X	X		X

US EPA Label Information

EPA Pesticide Registration Number

Not applicable.

16. OTHER INFORMATION

Creation date: 1/15/2015

Revision date: 8/24/2018

Disclaimer & Caution:

The information contained in Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of WFMed's knowledge. Nothing herein should be interpreted as a recommendation to infringe existing patents or violate any laws or regulations. Final determination of the suitability of the material is the sole responsibility of the user. Customers should purchase products from WFMed with the clear understanding that all products must be used at the customer's own discretion and only after referencing Material Safety Data Sheets (MSDS) and all other relevant technical information specific to the product. WFMed shall not be held responsible for any damages to the property or for any adverse physical effects (including injury or bodily harm) caused by insufficient knowledge or the improper use of a product. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As with any manufacturing process, WFMed strongly recommends small lab scale testing for evaluation purposes prior to full commercial manufacturing. The information on the WFMed website is obtained from current and reliable sources but makes no representation as to its comprehensiveness or accuracy. Nothing contained herein should be considered as a recommendation by WFMed as to the fitness for any use. As the ordinary or otherwise uses of this product is outside the control of WFMed no representation or warranty, expressed or implied is made as to the effect(s) of such use(s) (including damage or injury), or the results obtained. The liability of WFmed is limited to the value of the goods and does not include any consequential loss. WFmed shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon.