

## 1. PRODUCT AND COMPANY IDENTIFICATION

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Product name	:	Origanum (Origanum vulgare) Essential Oil
Botanical name	:	Origanum vulgare L.
INCI name	:	Origanum Vulgare Leaf Oil
CAS #	:	84012-24-8
Country of Origin	:	Spain
EINECS #	:	281-670-3
Product use	:	Domestic and Industrial
Supplier	:	New Directions Aromatics Inc.
Address	:	6781 Columbus Road, Mississauga, Ontario, CANADA L5T 2G9
Fax	:	905-362-1926
Telephone number	:	905-362-1915
Emergency phone number	:	(613)-996-6666 CANUTEC 24 HOUR EMERGENCY

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

### GHS Classification

Flammable liquid - Category 4

Acute Toxicity, Oral - Category 4

Skin corrosion/irritation - Category 2

Aspiration toxicity - Category 1

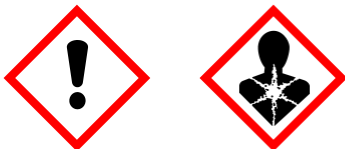
Eye irritation - Category 2A

Skin sensitization - Category 1

Hazardous to the aquatic environment, Acute - Category 3

Hazardous to the aquatic environment, Chronic- Category 3

### GHS Label elements, including precautionary statements



Signal: Danger

### Hazard statement(s)

H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long-lasting effects.

#### **Precautionary statement(s)**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264	Wash hands thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON center or doctor/physician.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately 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.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists get medical advice/attention.
P403+P235	Store in a well ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents and container in accordance with local, regional, national and/or international regulation for hazardous wastes.

### **3. COMPOSITION / INFORMATION INGREDIENTS**

<b>Product Name</b>	<b>CAS NO</b>	<b>EC NO</b>	<b>Concentration</b>
Alpha-pinene	201-291-9	80-56-8	0.5 - 1.5 %
Carvacrol	207-889-6	499-75-2	60 - 80 %
Myrcene	123-35-3	204-622-5	1.0 - 3.0 %
Alpha-Terpinene	99-86-5	202-795-1	0.5 - 2.0 %
Gamma-Terpinene	99-85-4	202-794-6	3.0 - 12 %
P-Cymene	99-87-6	202-796-7	4.0 - 14 %
Linalool	78-70-6	201-134-4	0.5 - 4.0 %
Beta-Cariophyllene	87-44-5	201-746-1	0.5 - 4.0 %
Thymol	499-75-2	207-889-6	60 - 80 %

### **4. FIRST AID MEASURES**

#### **Eye contact**

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

### **Skin contact**

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

### **Inhalation**

If inhaled, removed to fresh air. Get medical attention if symptoms appear.

### **Ingestion**

Seek medical attention or contact local poison control center.

## **5. FIRE FIGHTING MEASURES**

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### **Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

### **Unsuitable extinguishing media**

Water spray, water jet.

### **Special protective equipment and precautions for fire-fighters**

Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

### **Special hazards arising from the substance or its combustible products**

Hazardous decomposition products may be formed at extreme heat or if burned.

### **Resulting gases**

Carbon oxides.

## **6. ACCIDENTAL RELEASE MEASURES**

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### **Personal precautions, protective equipment and emergency procedures.**

Equip clean crew with proper protection. Respiratory protection equipment may be necessary.

### **Environmental precautions**

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### **Methods and materials for containment and cleaning up**

Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

## **7. HANDLING AND STORAGE**

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### **Precautions for safe handling**

No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

### **Conditions for safe storage, including any incompatibilities**

Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Keep container closed when not in use.

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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### **Eyes**

Use tightly sealed goggles.

### **Skin**

If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves.

### **Respiratory**

In case of insufficient ventilation, wear suitable respiratory equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Reddish yellow.
Odor	:	Characteristic odor.
Flash point	:	65 °C
Relative density	:	0.925 to 0.955 @ 20 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.490 to 1.515 @ 20°C
Optical rotation	:	-5.0° to +5.0° @ 20°C

## 10. STABILITY AND REACTIVITY

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### Reactivity

This material presents no significant reactivity hazard.

### Chemical stability

Chemically stable.

### Possibility of hazardous reactions

Hazardous polymerization will not occur.

### Conditions to avoid

Avoid sparks, flame and other heat sources.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon Oxides.

## 11. TOXICOLOGICAL INFORMATION

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### Chronic toxicity

May cause allergic reactions on skin.

### Inhalation

Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.

### Skin contact

Adverse skin effects should be prevented by normal care and personal hygiene.

### Eye contact

Possible irritation should be prevented by wearing safety glasses.

## 12. ECOLOGICAL INFORMATION

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### Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

### Persistence and degradability

Not available.

### Bio - accumulative potential

Not available.

### Mobility in soil

Not available.

## Other adverse effects

Not available.

## 13. DISPOSAL CONSIDERATION

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Dispose of product in accordance with local, state or provincial and federal regulations. Check with local municipal authority to ensure compliance.

## 14. TRANSPORT INFORMATION

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### US DOT Shipping Description (Land)

Not regulated

### IMO-IMDG Shipping Description (Sea)

Not regulated

### IATA Shipping Description (Air)

Not regulated

## 15. REGULATORY INFORMATION

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### California Proposition 65

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (included in Proposition 65 revised list): -Contains Myrcene.

### GHS Hazard Statements

Please refer to section 2.

### GHS Precautionary Statements

Please refer to section 2.

## 16. OTHER INFORMATION

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Revision date : August 31, 2018

### Disclaimer & Caution

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