

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Clementine Essential Oil
Botanical name	:	Citrus nobilis
Synonyms	:	Citrus nobilis Peel Extract, Mandarin Orange
FEMA	:	2657
INCI name	:	Citrus Nobilis (Mandarin Orange) Peel oil
CAS #	:	8008-31-9/84929-38-4
Country of Origin	:	Italy
EINECS #	:	284-521-0

## 2. HAZARDS IDENTIFICATION

Emergency Overview

GHS Label elements, including precautionary statements



Signal: Warning

### HMIS Ratings

Health Hazard - 0; Fire Hazard -0; Reactivity - 0.

### Inhalation

May be harmful if inhaled. Causes respiratory tract irritation

### Skin

May be harmful if absorbed through skin. Causes skin irritation.

### Eyes

Causes eye irritation

### Ingestion

Maybe harmful if swallowed

## 3. COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Limonene	5989-27-5	227-813-5	70-95%
Myrcene	123-35-3	204-622-5	<2%
Citral	5392-40-5	226-394-6	<1%
Decanal	112-31-2	203-957-4	<1%

## 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.

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**5. FIRE FIGHTING MEASURES****Suitable extinguishing media**

Foam. Dry Powder. Carbon dioxide.

**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.

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**6. ACCIDENTAL RELEASE MEASURES****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.

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**7. HANDLING AND STORAGE****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.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure controls****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.

## Ingestion

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	:	Orange to dark orange clear liquid.
Odor	:	Fresh sweet orange scent.
Flash point	:	49 °C
Relative density	:	0.840 - 0.854 @ 20°C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.4700 - 1.4760 @ 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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### Acute toxicity

Not available.

### Carcinogenicity

None of the components of this material are listed as a carcinogen.

### Chronic toxicity

May cause allergic reactions on skin.

### Reproductive toxicity

No adverse effects on reproduction are known.

### 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.

### Ingestion

Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting

**Repeated exposure**

Repeated or prolonged contact may cause redness, irritation and scaling of skin (Dermatitis).

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.

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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**UN Number**

1169

**UN proper shipping name**

Extracts, aromatic, liquid

**Transport hazard class**

3

**Packing group**

III

**US DOT Shipping Description (Land)**

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

**Packaging group**

III

**IMO-IMDG Shipping Description (Sea)**

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

**Packaging group**

III

**IATA Shipping Description (Air)**

1169

**Proper shipping name**

Extracts, aromatic, liquid

**Class**

3

## Packaging group

III

### 15. REGULATORY INFORMATION

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#### **WHMIS Classification**

N/A

#### **HMIS (USA)**

Health Hazard - 0; Fire Hazard -0; Reactivity - 0.

#### **SARA 302**

None.

#### **SARA 313**

None.

#### **California Proposition 65**

Contains substance identified in the revised list of the California Safe Cosmetic program SB 484 (as stated in Proposition 65 revised list): MYRCENE.

### 16. OTHER INFORMATION

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Revision date : July 28, 2016

#### **Disclaimer & Caution**

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