

## SAFETY DATA SHEET (SDS)

Version 2.0

Revision Date : February 9, 2023

Print Date : April 18, 2024

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	Orange Essential Oil (5 Fold)
Botanical name	:	Citrus sinensis
INCI name	:	Citrus Aurantium Dulcis Peel Oil
CAS #	:	8008-57-9
Country of Origin	:	Italy
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 3

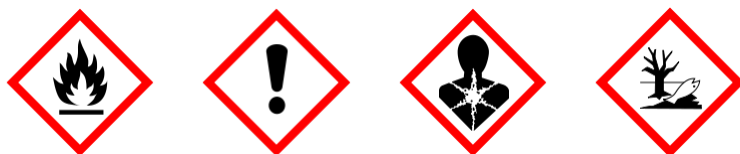
Aspiration toxicity - Category 1

Skin Sensitization - Category 1

Skin Corrosion/Irritation - Category 2

Hazardous to the aquatic environment - Chronic - Category 1

#### GHS Label elements, including precautionary statements



Signal: Danger

#### Hazard statement(s)

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long-lasting effects.

#### Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. $\frac{1}{2}$ No smoking
P241	Use explosion-proof electrical/ventilating/lighting/equipment.

P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fumes/gas/mist/vapours/spray.
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.
P331	Do NOT induce vomiting.
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention.
P402+P404	Store in a dry place. Store in a closed container.
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

Product Name	CAS NO	EC NO	Concentration
Limonene	5989-27-5	227-813-5	60 - 99 %
Myrcene	123-35-3	204-622-5	0 - 5 %
Citral	5392-40-5	226-394-6	0 - 3 %
Alpha-pinene	80-56-8	201-291-9	0 - 4 %
Alpha-Terpineol	98-55-5	202-680-6	0 - 2 %
Linalool	78-70-6	201-134-4	0 - 9 %
Octanal	124-13-0	204-683-8	0 - 5 %
Decanal	112-31-2	203-957-4	0 - 6 %
Citronellal	106-23-0	203-376-6	0 - 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.

### 5. FIRE FIGHTING MEASURES

#### 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**

---

### **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**

---

### **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**

Store in well filled tight suitable containers; drums should only be considered as a means of transportation. Do not store with flammable or explosive materials and strong oxidizing agents. Keep drums tightly closed. Store dark, dry and under cold temperatures. Recommended storage temperature: 8-12°C.

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

---

### **Exposure controls**

Odor is inadequate to warn of overexposure.

### **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**

---

Appearance	:	Yellow to orange liquid.
Odor	:	Characteristic orange citrus odor.
Flash point	:	47°C
Relative density	:	0.840 to 0.860 @ 15 °C
Solubility (ies)	:	Soluble in alcohol and oils. Insoluble in water.
Refractive index	:	1.470 to 1.480 @ 20 °C

Optical rotation : +85° to +99° @ 15 °C

## 10. STABILITY AND REACTIVITY

---

### 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

---

### Acute toxicity

LD/LC50 values relevant for classification:

p-mentha-1,8-diene:

LD 50 oral [rat] 4400mg/Kg

### 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.

### Repeated exposure

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

## 12. ECOLOGICAL INFORMATION

---

### Ecotoxicity

Very toxic to aquatic organism, may cause long term adverse effects in the aquatic environment.

### Persistence and degradability

Not available.

### Bio - accumulative potential

Not available.

### Mobility in soil

Not available.

### Other adverse effects

Not available.

## 13. DISPOSAL CONSIDERATION

---

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

## 14. TRANSPORT INFORMATION

---

### UN Number

1197

### UN proper shipping name

Extracts, liquid

### Transport hazard class

3

### Packing group

III

### US DOT Shipping Description (Land)

1197

### Proper shipping name

Extracts, liquid

### Class

3

### Packaging group

III

### IMO-IMDG Shipping Description (Sea)

1197

### Proper shipping name

Extracts, liquid

### Class

3

### Packaging group

III

### IATA Shipping Description (Air)

1197

### Proper shipping name

Extracts, liquid

### Class

3

### Packaging group

III

## 15. REGULATORY INFORMATION

---

### California Proposition 65

• This product can expose you to beta-Myrcene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### GHS Hazard Statements

Please refer to section 2.

### GHS Precautionary Statements

Please refer to section 2.

## 16. OTHER INFORMATION

---

Revision date : February 09,2023

### Disclaimer & Caution

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. New Directions Aromatics Inc. provides the information contained herein, but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. 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 the ordinary or otherwise use(s) of this product is outside the control of New Directions Aromatics Inc., 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 New Directions Aromatics Inc. is limited to the value of the goods and does not include any consequential loss. New Directions Aromatics Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. New Directions Aromatics Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Ontario, Canada.