

## 1. PRODUCT AND COMPANY IDENTIFICATION

|                        |   |  |
|------------------------|---|--|
| Product name           | : | Clementine Essential Oil                                 |
| Botanical name         | : | Citrus clementina  |
| INCI name              | : | Citrus Clementina Peel Oil                               |
| CAS #                  | : | 8008-31-9/84929-38-4                                     |
| Country of Origin      | : | USA  |
| EINECS #               | : | 284-521-0  |
| 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 liquids - Category 3
- Aspiration Hazard - Category 1
- Skin sensitisation - Category 1
- Hazardous to aquatic environment - Acute - Category 1
- Skin Irritation - Category 2
- Carcinogenicity - Category 2

### GHS Label elements, including precautionary statements

Signal: Danger

### Hazard statement(s)

|      |  |
|------|--|
| H226 | Flammable liquid and vapour.                         |
| H304 | May be fatal if swallowed and enters airways.        |
| H315 | Causes skin irritation                               |
| H317 | May cause an allergic skin reaction                  |
| H351 | Suspected of causing cancer                          |
| H400 | Very toxic to aquatic life                           |
| H410 | Very toxic to aquatic life with long-lasting effects |

### Precautionary statement(s)

|      |   |
|------|---|
| P201 | Obtain special instructions before use. |
|------|---|

|                |  |
|----------------|--|
| P202           | Do not handle until all safety precautions have been read and understood.                            |
| P210           | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.       |
| P233           | Keep container tightly closed.   |
| P240           | Ground/bond container and receiving equipment.   |
| 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.   |
| P264           | Wash ... 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.                           |
| P281           | Use personal protective equipment as required.   |
| P321           | Specific treatment (see ... on this label).  |
| P331           | Do NOT induce vomiting.  |
| P362           | Take off contaminated clothing.  |
| P363           | Wash contaminated clothing before reuse.   |
| P391           | Collect spillage.  |
| P405           | Store locked up.   |
| P501           | Dispose of contents/container to ...   |
| P301+P310      | IF SWALLOWED: Immediately call a POISON CENTER/doctor/   |
| P302+P352      | IF ON SKIN: Wash with plenty of water/   |
| P303+P361+P353 | IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower. |
| P308+P313      | If exposed: Call a POISON CENTER or doctor/physician.  |
| P332+P313      | If skin irritation occurs: Get medical advice/attention.   |
| P333+P313      | If skin irritation or a rash occurs: Get medical advice/attention.                                   |
| P370+P378      | In case of fire: Use ... to extinguish.  |
| P403+P235      | Store in a well ventilated place. Keep cool.   |

### 3. COMPOSITION / INFORMATION INGREDIENTS

| Product Name   | CAS NO     | EC NO     | Concentration |
|----------------|------------|-----------|---------------|
| Clementine Oil | 93686-22-7 | 297-672-2 | 100%          |

### 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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### **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.

### **Ingestion**

Not for ingestion.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                  |   |   |
|------------------|---|---|
| Appearance       | : | clear, dark orange to reddish yellow or brownish orange in colour |
| Odor             | : | Fresh orange mandarin.  |
| Flash point      | : | 54°C  |
| Relative density | : | 0.8340 to 0.854 @ 20°C  |
| Solubility (ies) | : | Soluble in alcohol and oils. Insoluble in water.                  |
| Refractive index | : | 1.4680 to 1.4780 @ 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.

**Persistence and degradability**

Readily biodegradable

**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**

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

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### SARA 302

None.

### SARA 313

None.

### 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

See section 2.

### GHS Precautionary Statements

See section 2.

## 16. OTHER INFORMATION

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### 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.