



# LIBERTY NATURAL PRODUCTS, INC.

*The Source for the Finest  
Pure and Natural Botanical Oils and Extracts*

libertynatural.com

## Section 1. Product and Company Identification

<b>Product Name:</b>	Clementine Redistilled
<b>Product Code:</b>	872
<b>Description:</b>	Essential Oil of Clementine
<b>Product Use:</b>	Cosmetic and Manufacturing
<b>Manufacturer:</b>	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
<b>Emergency Phone:</b>	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

## Section 2. Hazards Identification

<b>Category:</b>	H226 Flammable liquid and vapor.
<b>Signal Word:</b>	Danger
<b>Ingestion:</b>	H304 May be fatal if swallowed and enters airways.
<b>Health Risks:</b>	N/A
<b>Eye Contact:</b>	N/A
<b>Skin Contact:</b>	H317 May cause an allergic skin reaction.
<b>Environmental:</b>	H400 Very toxic to aquatic life.

### Pictograms:



### PRECAUTIONARY STATEMENT:

P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust, fume, gas, mist, vapors, spray.  
P264 Wash parts in contact 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.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P303+P361+P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

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P321 Specific treatment.  
P331 Do NOT induce vomiting.  
P332+P313 If skin irritation occurs: Get medical advice.  
P333+P313 If skin irritation or rash occurs: Get medical advice.  
P362 Take off contaminated clothing and wash before reuse.  
P363 Wash contaminated clothing before reuse.  
P370+P378 In case of fire: Use CO<sub>2</sub> foam, dry chemical for extinction.  
P391 Collect spillage.  
P403+P235 Store in well-ventilated place. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents and/or container in accordance with local, regional, national and/or international regulation

### Section 3. Composition and Information on Ingredients

<b>Chemical Name:</b>	<i>Citrus clementina</i>
<b>Physical State:</b>	Liquid.
<b>CAS #:</b>	8008-31-9
<b>Impurities:</b>	None.
<b>Trade Secret Claim:</b>	None.

### Section 4. First Aid Measures

<b>Eyes:</b>	Rinse eyes immediately with running water at low pressure. Consult an ophthalmologist.
<b>Skin Contact:</b>	Wash area liberally with water. Seek medical attention if irritation develops.
<b>Inhalation:</b>	Relocate to fresh air; give artificial respiration if not breathing. Seek medical assistance as needed.
<b>Ingestion in excess:</b>	Do not try to induce vomiting. Rinse mouth. Consult a doctor never give anything by mouth to a person who is unconscious or having convulsions. Seek medical assistance as needed.
<b>Emergency Care:</b>	Contact local emergency provider. For non-emergency, contact primary care provider.
<b>PPE:</b>	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

### Section 5. Fire-Fighting Measures

<b>Flammability:</b>	Flammable.
<b>Extinguishing Media:</b>	SUITABLE: CO <sub>2</sub> , foam, dry chemical. NON SUITABLE: Water.
<b>Special Fire-Fighting Procedure:</b>	None
<b>Unusual Fire and Explosion Hazards:</b>	Vapor may travel to source of ignition and flash back. Vapor may settle low or in confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use. Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present

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on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.

**PPE and Precautions for Firefighters:** May burn with near invisible flame. Use grounded containers. Wear proper protective equipment. Respiratory protective equipment may be necessary.

## Section 6. Accidental Release Measures

**Personal Precautions:** Avoid all contact with eyes and mucous membranes by wearing goggles, protective clothing, vapor respirator, boots, gloves, and or self-contained breathing apparatus.

**Environmental Precautions:** Do not dispose in sewer or in any natural environment.

**Containment:** Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.

**Clean Up:** Once contained wash with plenty of soap and water after complete elimination of the product. Small spills can be flushed with large amounts of water. Large spills- eliminate ignition sources; ground equipment; use vapor suppression such as foam; use non-sparking tools and non-combustible matter to absorb product and transfer to grounded containers.

## Section 7. Handling and Storage

**Handling Precautions:** No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with water before eating, drinking or smoking and when leaving work. Avoid sources of ignition.

**Storage Precautions:** Store in sealed container in a cool, dry, well-ventilated area. Keep container closed after using.

**Other:** See Section 8

## Section 8. Exposure Controls/Personal Protection

**Engineering Controls:** Exhaust ventilation or other engineering controls to keep vapor concentration below their respective threshold limit value. Ensure eyewash stations and safety showers are proximal to the work station.

**Respiratory Protection:** Assure a good ventilation of work place.

**Hand Protection:** Plastic or synthetic rubber impermeable gloves.

**Eye Protection:** Goggles giving complete protection to eyes. Eyewash bottle with clean water.

**Skin and Body Protection:** Clothes for chemical protection to avoid contact.

**Ingestion:** Do not eat, drink and smoke while using.

**Industrial Hygiene:** Provide ventilation of the work place to reduce concentrations of the vapor and product.

**OSHA Permissible Exposure Limits (PELs):** N/A

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ACGIH Threshold Limit Values:

N/A

### Section 9. Physical and Chemical Properties

Appearance:	Light yellow to orange liquid
Upper/Lower Flammability:	N/A
Odor:	Citrusy
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	120.2°F / 49°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.850 – 0.860 at 20°C

### Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances.
Avoid:	Avoid heat, sparks and ignition sources.
Incompatibility:	Strong oxidizing agents; strong inorganic acids.
Hazardous Byproducts:	Carbon oxides are produced upon combustion.
Other:	None

### Section 11. Toxicological Information

Toxicological and Health Effects:	Nontoxic at established levels.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	See Section 2. Hazards Identification.
LD50 (median lethal dose):	Not available
Listed NTP Carcinogen:	Not classified as a human carcinogen.
INGESTION:	N/A

### Section 12. Ecological Information

TOXICITY:	See Section 2
PERSISTENCE/ DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	No information available.
RESULTS OF PBT AND vPvB	

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<b>ASSESSMENT:</b>	No information available.
<b>MOBILITY IN SOIL:</b>	No information available.
<b>OTHER ADVERSE EFFECTS:</b>	Toxic to aquatic organisms, may cause long-term adverse effects environment. Avoid any pollution of ground, surface or underground water.

### Section 13. Disposal Considerations

<b>Disposal Containers:</b>	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
<b>Waste Disposal:</b>	Do not dispose of in municipal waste, sewer or water ways. Dispose of in accordance with regulations.
<b>Special Considerations:</b>	Dispose of spill containment material in accordance with Federal, State, and local laws.

### Section 14. Transport Information

<b>UN Number:</b>	UN1197
<b>UN Shipping Name:</b>	Extracts, liquid for flavour or aroma
<b>Transport Hazard Class:</b>	3
<b>Packing Group Number:</b>	III
<b>Stowage and Handling:</b>	N/A

### Section 15. Regulatory Information

<b>Product Regulations:</b>	N/A
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### Section 16. Other Information

<b>Last Revised:</b>	3/6/2023	<b>Initial of Editor:</b> SDR
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*This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.*

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