



LIBERTY NATURAL PRODUCTS, INC.



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

libertynatural.com

Section 1. Product and Company Identification

Product Name:	Tangerine
Product Code:	5504
Description:	Essential Oil of Tangerine
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	USA, Canada, Mexico: 1-800-535-5053 International: 1-352-323-3500

Section 2. Hazards Identification

Category:	H226 Flammable liquid and vapor.
Signal Word:	Danger
Ingestion:	N/A
Health Risks:	H304 May be fatal if swallowed and enters airways.
Eye Contact:	N/A
Skin Contact:	N/A
Environmental:	N/A
Pictograms:	 

PRECAUTIONARY STATEMENT:

P210 Keep away from heat, sparks, open flames or hot surfaces. - No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

P301+P310 If swallowed: Immediately call a poison center/ doctor.

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P405 Store locked up.

P501 Dispose of content/container in accordance with local/regional/national/international regulations.

Section 3. Composition and Information on Ingredients

Chemical Name:	Citrus tangerina
Physical State:	Liquid

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CAS #: 8016-85-1

Impurities: None.

Trade Secret Claim: None.

Section 4. First Aid Measures

Eyes: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact: Wash area liberally with water.

Inhalation: Relocate to fresh air; give artificial respiration if not breathing. Seek medical assistance as needed.

Ingestion in excess: 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.

Emergency Care: Contact local emergency provider. For non-emergency, contact primary care provider.

PPE: Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

Section 5. Fire-Fighting Measures

Flammability: Flammable.

Extinguishing Media: SUITABLE: CO₂, extinguishing powder or water spray.

Special Fire-Fighting Procedure: None

Unusual Fire and Explosion Hazards: Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.

PPE and Precautions for Firefighters: Protect skin and eyes.

Section 6. Accidental Release Measures

Personal Precautions: Follow company emergency procedures. Wear protective equipment and keep unprotected persons away. Keep away from ignition sources. Ensure area is well ventilated and avoid contact with eyes and mucous.

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: Disposal must be made according to official regulations. Recover in a tightly sealed container. Wash with plenty of water after complete elimination of the product.

Section 7. Handling and Storage

Handling Precautions: Wear gloves and eye protection. Avoid inhalation and contact with skin and eyes. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before

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breaks and meals and at the end of each work period.
Contaminated clothing and shoes should be thoroughly cleaned before reuse.

Storage Precautions:	It is recommended that this material be stored in a cool, dry, well ventilated area, in tightly sealed, full containers.
Other:	See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.
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. Keep eyewash bottle with clean water handy.
Skin and Body Protection:	Clothes for chemical protection to avoid contact.
Ingestion:	Do not eat, drink and smoke while using
Industrial Hygiene:	Follow your company policy.
OSHA Permissible Exposure Limits (PELs):	N/A
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	A reddish orange to brownish orange liquid
Upper/Lower Flammability:	N/A
Odor:	Characteristic
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:	113°F / 45°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:	0.845 at 25°C

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Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Excessive heat.
Incompatibility:	Undetermined.
Hazardous Byproducts:	None in normal conditions
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):	N/A
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 Assessment:	No information available.
Mobility in Soil:	No information available.
Other Adverse Effects:	Toxic for fish.

Section 13. Disposal Considerations

Disposal Containers:	Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Waste Disposal:	N/A
Special Considerations:	Dispose of spill containment material in accordance with Federal, State, and local laws.

Section 14. Transport Information

UN Number	1197
UN Shipping Name:	Extracts, Aromatic, Liquid
Transport Hazard Class:	3
Packing Group Number:	III
Stowage and Handling:	N/A

Section 15. Regulatory Information

Product Regulations:	N/A
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Section 16. Other Information

Last Revised:	1/19/2023	Initial of Editor: 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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