



LIBERTY NATURAL PRODUCTS, INC.

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

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Section 1. Product and Company Identification

Product Name:	Orange Sweet 5-Fold
Product Code:	2439
Description:	Essential Oil of Sweet Orange
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:	Warning
Ingestion:	H335 May cause respiratory irritation. H302 Harmful if swallowed.
Health Risks:	N/A
Eye Contact:	H320 Causes eye irritation.
Skin Contact:	H315 Causes skin irritation.
Environmental:	N/A

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.

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Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Citrus sinensis</i>
Physical State:	Liquid.
CAS #:	8028-48-6
Impurities:	None.
Trade Secret Claim:	None.

Section 4. First Aid Measures

Eyes:	Flush immediately with plenty of water, continuing for 15 minutes. Seek medical advice.
Skin Contact:	Rinse and wash immediately with plenty of water and soap.
Inhalation:	Remove to fresh air. If symptoms persist, seek medical attention.
Ingestion in excess:	Rinse mouth with water then drink one glass of water.
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: CO ₂ , sand, extinguishing powder. NON SUITABLE: Water.
Special Fire-Fighting Procedure:	Smother to exclude air. Handle as an oil fire.
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:	Firemen must wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions:	Wear protective equipment. Keep unprotected persons away. Keep away from ignition sources.
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. In case of copious pouring out, absorb the liquid with sand soil or other adequate material. Clean the contaminated area with detergent and water. If the product arrives to the sewer system, advise the firemen immediately.

Section 7. Handling and Storage

Handling Precautions:	Avoid contact with eyes, skin and clothing. Use protective gloves. Minimize inhalation. Keep away from heat and eliminate all sources of ignition.
Storage Precautions:	Store tightly sealed, full containers in a cool, dry, well-ventilated area away from incompatible substances.
Other:	See Section 8

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Section 8. Exposure Controls/Personal Protection

Engineering Controls:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Have safety shower near work area. Launder contaminated clothing before reuse.
Respiratory Protection:	Assure a good ventilation of work place. If vapor becomes high, use NIOSH approved respirator.
Hand Protection:	Use oil resistant gloves.
Eye Protection:	Safety glasses or goggles recommended. Have an eyewash station near work area.
Skin and Body Protection:	Oil resistant apron. Avoid skin exposure.
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
ACGIH Threshold Limit Values:	N/A

Section 9. Physical and Chemical Properties

Appearance:	Orange to dark orange liquid
Upper/Lower Flammability:	N/A
Odor:	Citrus odor
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:	349°F / 176°C
Flash Point:	129°F / 54°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:	0.858 - 0.873

Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. Avoid heat and ignition sources.
Avoid:	Heat, flames, sparks and strong oxidizing agents. Prolonged exposure to light.
Incompatibility:	Strong acidic or oxidizing agents.
Hazardous Byproducts:	None in normal conditions. Carbon oxides and smoke produced upon combustion.
Other:	None

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Section 11. Toxicological Information

Toxicological and Health Effects:	Can be noxious.
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:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
INGESTION:	N/A

Section 12. Ecological Information

TOXICITY:	See Section 2
PERSISTENCE / DEGRADABILITY:	No information available.
BIOACCUMULATION POTENTIAL:	May cause long lasting harmful effects to aquatic life.
RESULTS OF PBT AND vPvB ASSESSMENT:	No information available.
MOBILITY IN SOIL:	No information available.
OTHER ADVERSE EFFECTS:	Not known.

Section 13. Disposal Considerations

Disposal Containers:	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal:	Incinerate or dispose of in accordance with local laws, or handle through EPA Spill control plan via landfill or dilution.
Special Considerations:	Dispose of spill containment material in accordance with Federal, State, and local laws.

Section 14. Transport Information

UN Number:	UN1197
UN Shipping Name:	Extracts, liquid for flavour or aroma
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

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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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