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LIBERTY NATURAL PRODUCTS, INC.

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

Section 1. Product and Company Identification

Product Name:	Orange Sweet 10-Fold
Product Code:	2487
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:	Danger
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	N/A
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

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.

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P280 Wear protective gloves, protective clothing, eye protection, face protection.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302 + 352 IF ON SKIN: Wash with plenty of soap and water.
P303 + 361 + 353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment.
P331 Do NOT induce vomiting.
P332 + 313 If skin irritation occurs: Get medical advice.
P333 + 313 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 + 378 In case of fire: Use CO₂ foam, dry chemical for extinction.
P391 Collect spillage.
P403 + 235 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

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:	Wash immediately and abundantly with running water at low pressure. Consult an ophthalmologist.
Skin Contact:	Sprinkle abundantly with water during at least 15 minutes.
Inhalation:	Remove victim to fresh air.
Ingestion in excess:	Do not try to vomit. Rinse mouth. Consult a doctor.
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.

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PPE and Precautions for Firefighters: Firemen must wear self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal Precautions: Avoid all contact with eyes and mucous membranes. 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: Recover in a tight container. 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, mucous membranes, 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. Keep container closed after using.

Other: See Section 8

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-brown to dark-brown liquid.

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Upper/Lower Flammability:	N/A
Odor:	Fresh, sweet orange peel
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:	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:	0.88

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

Section 11. Toxicological Information

Toxicological and Health Effects:	No specific hazard
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:	Can be noxious.

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	

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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:	Throwing out forbidden. Comply with local, state and federal regulations.
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

Last Revised:	3/6/2023	Initial of Editor: jv
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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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