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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:	Carrot Seed
Product Code:	1844
Description:	Essential Oil of Carrot Seed
Product Use:	Industrial
Manufacturer:	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
Emergency Phone:	Liberty Natural Products: (800) 289-8427

Section 2. Hazards Identification

Category:	H227 Combustible liquid.
Signal Word:	Danger
Ingestion:	H304 May be fatal if swallowed and enters airways.
Health Risks:	N/A
Eye Contact:	H319 Causes serious eye irritation.
Skin Contact:	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
Environmental:	H412 Harmful to aquatic life with long lasting effects.

Pictograms:



PRECAUTIONARY STATEMENT:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P301 + 310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P403 + 235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

Section 3. Composition and Information on Ingredients

Chemical Name:	<i>Daucus carota</i>
Physical State:	Liquid.
CAS #:	8015-88-1
Impurities:	None.

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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:	If skin irritation continues, consult a doctor. Immediately wash with water and soap and rinse thoroughly.
Inhalation:	Supply fresh air and to be sure call for a doctor.
Ingestion in excess:	Seek immediate medical advice.
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:	Cool endangered receptacles with water spray.
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:	Do not inhale explosion gases or combustion gases.

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.

Section 7. Handling and Storage

Handling Precautions:	Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Handle with care. Avoid jolting, friction and impact.
Storage Precautions:	Store in sealed container, Keep ignition sources away - Do not smoke. Protect against electrostatic charges. Store in cool, dry conditions in well-sealed receptacles. Protect from

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heat and direct sunlight. Store receptacle in a well-ventilated area.
Other: See Section 8

Section 8. Exposure Controls/Personal Protection

Engineering Controls: Keep away from foodstuffs, beverages and feed. Avoid contact with the eyes.

Respiratory Protection: Assure a good ventilation of work place. Use suitable respiratory protective device in case of insufficient ventilation.

Hand Protection: Wear protective gloves. The glove material has to be impermeable.

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

Skin and Body Protection: Clothes for chemical protection to avoid contact. Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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: Pale yellow to amber fluid

Upper/Lower Flammability: N/A

Odor: Fruit-like

Vapor Pressure: N/A

Odor Threshold: N/A

Vapor Density: N/A

pH: N/A

Relative Density: 0.9209

Melting Point: N/A

Freezing Point: N/A

Solubility: N/A

Initial Boiling Point and Boiling Range: 433°F / 223°C

Flash Point: 161.6°F / 72°C

Evaporation Rate: N/A

Flammability Category: N/A

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Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	N/A

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:	Not determined
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	See Section 2. Hazards Identification.
LD50 (median lethal dose):	(oral, rat) >5,000 mg/kg
Listed NTP Carcinogen:	No ingredients are listed carcinogens.
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:	Do not allow product to reach ground water, water course or sewage system. Harmful to aquatic organisms. Danger to drinking water even if extremely small quantities leak into the ground. The product contains materials that are harmful to the environment. The product contains materials that are harmful to the environment.

Section 13. Disposal Considerations

Disposal Containers:	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
Waste Disposal:	N/A
Special Considerations:	Must be specially treated adhering to official regulations.

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Section 14. Transport Information

UN Number N/A
UN Shipping Name: N/A
Transport Hazard Class: N/A
Packing Group Number: N/A
Stowage and Handling: N/A

Section 15. Regulatory Information

Product Regulations: N/A

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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