



MATERIAL SAFETY DATA SHEET
CARROT SEED ESSENTIAL OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: CARROT SEED ESSENTIAL OIL
Product Use: Personal Care Formulations
Company Name: Saffire Blue Inc.
Company Address: 1444 Bell Mill Road, Tillsonburg, ON N4G4G9 Canada
Date Issued: 09/09/10
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
Steam Distilled Daucus carota Oil 100%
Carotol: CAS No: 465-28-1; 30.0%

Hazardous Components: Alpha Pinene: CAS No: 80-56-8; 15.0% R10-50/53-65; S61-62
Beta Caryophyllene: CAS No: 87-44-5; 5.0%; R38-65; S02-26-36-62

CAS #: 8015-88-1
EINECS #: 284-545-1
FEMA #: 2244

3. HAZARDS IDENTIFICATION

Routes of Entry

Eye Contact: Mild irritation may occur
Skin Contact: Mild irritation may occur
Inhalation: Inhalation may cause irritation in throat and lungs.
Ingestion: Not known

4. FIRST AID MEASURES

Eyes: Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.
Ingestion: Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.
Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

5. FIRE FIGHTING MEASURES

Flash Point (Method Used): 58°C Closed Cup

Extinguishing Media:	Dry Chemical, Carbon Dioxide, Foam
Unsuitable Media:	Water (except to cool containers)
Special Firefighting Procedures:	Fire fighters should wear positive pressure self-contained breathing apparatus. Toxic vapors may be released. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.
Unusual Fire & Explosion Hazards:	None known
Hazardous Decomposition Materials:	None known

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection:	<p>Avoid ingestion</p> <p>Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.</p> <p>Wear eye protection, gloves and aprons. Ventilate area well or wear approved respirators.</p> <p>Eliminate all sources of ignition</p> <p>Ventilate area or wear approved respirators</p> <p>Prevent liquid from entering sewers</p>
Methods for Cleaning Up:	<p>Small spills can be wiped up with paper rags (place in closed metal waste container)</p> <p>Large spills can be absorbed onto non-flammable absorbent.</p> <p>Wash area with soap and water.</p>

7. HANDLING AND STORAGE

Handling	
Safe Handling:	<p>Avoid ingestion</p> <p>Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.</p> <p>Wear eye protection, gloves and aprons. Ventilate area well or wear approved respirators.</p>
Storage	
Requirements for Storage Areas and Containers:	Store in an area that is cool, dry, and well-ventilated.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Threshold Limit Value:	Not established
OSHA Permissible Limit:	Not established
Engineering Controls:	<p>Provide adequate ventilation. Safety showers and eye wash stations should be located near work areas.</p> <p>Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:</p>
Work Practice Controls:	<p>(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.</p> <p>(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.</p> <p>(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.</p>
Respiratory:	Avoid casual breathing of vapors

Ventilation: Local, mechanical exhaust in recommended
Eye: OSHA approved safety glasses
Skin: Wear gloves and clothing to avoid skin contact

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil
Color: Clear pale yellow to amber
Odor: Characteristic of carrot, herbaceous
Vapor Pressure (mm Hg.): Not available
Flash Point: 58°C
Boiling Point: Not available
Melting Point: N/A
Specific Gravity (H₂O = 1): Not available
Refractive Index @ 25 °C: Not available
Optical Rotation: Not available
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
Conditions to Avoid: Avoid contact with sparks, flame and heat.
Hazardous Decomposition or Byproducts: CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

CAUTION: Liquid may be irritating to eyes and skin.
ACGIH TLV: None established
OSHA PEL: None established
Carcinogenicity: NTP Monograph: None established
IARC Monograph: None established
Oral LD₅₀: > 5000 mg/kg [Rat]
Acute Toxicity Data: Dermal LD₅₀: > 5000 mg/kg [Rabbit]
Inhalation LC₅₀: None established
Irritancy: Not Available
Sensitization: Not Available
Phototoxicity: Not Available

12. ECOLOGICAL INFORMATION

Aquatic Toxicity: Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
Mobility: Not available
Persistence: Not available
Bio-accumulative Potential: Not available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of according to local, state and federal regulations.

14. TRANSPORT INFORMATION

Land Transport: ADR/RID: Class: 3
UN #: 1169
Packing Group: III
Label Name: Extracts, Aromatic, Liquid.

Maritime Transport: IMDG: Class: 3
UN #: 1169
Packing Group: III
Label Name: Extracts, Aromatic, Liquid.
Marine Pollutant: Yes

Air Transport: ICAO-TI/IATA-DGR: Class: 3
UN #: 1169
Packing Group: III
Label Name: Extracts, Aromatic, Liquid.

15. REGULATORY INFORMATION

This product has been classified and marked in accordance with EU Classification (671548/EEC-8813791EEC)

Risk Phrases:

R10: Flammable

Safety Phrases:

S29: Do not empty into drains

S43: In case of fire, use CO₂, sand or extinguishing powder

S56: Dispose of this material and its container to hazardous or special waste collection plant

S64: If swallowed, rinse mouth with water (only if person is conscious)

Water Hazard Class:

2: Hazardous for water

Gloves

Protective Equipment:

Lab Coat

Approved Vapor Respirator

Splash Goggles

16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

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.