



Plant's Power Inc  
3-2700 St.Clair Ave west  
Toronto, Ontario, M6N 1M2  
Contact: 1-416-766-1254

## MATERIAL SAFETY DATA SHEET

### Carrot Seed Essential Oil

#### Section 1: Product and Company Identification

Product Name: Carrot Seed Essential Oil  
Botanical Name: *Daucus carota*  
INCI Name: Daucus carota seed oil  
EINECS No.: 284-545-1  
CAS No.: 8015-88-1

#### Contact information:

Plant's Power Inc 3-2700 St.Clair Ave west Toronto, Ontario M6N 1M2 Contact: 1-416-766-1254 <a href="http://www.PlantPower.ca">http://www.PlantPower.ca</a> <a href="mailto:contactus@plantpower.ca">contactus@plantpower.ca</a>	24 HOUR EMERGENCY TELEPHONE NUMBER: (647)-427-4480
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#### Section 2: Composition and Information on Ingredients

**Ingredients:** Steam Distilled Seeds Of *Daucus carota*  
**Main Components:** Carotol: CAS No: 465-28-1  
Alpha Pinene CAS No: 80-56-8  
Beta Caryophyllene CAS No: 87-44-5  
**CAS No.:** 8015-88-1

### Section 3: Hazards Identification

- Eye Contact:** Mild irritation may occur
- Skin Contact:** Mild irritation may occur
- Inhalation:** Inhalation may cause irritation in throat and lungs.

### Section 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.

### Section 5: Fire and Explosive

- 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

### Section 6: Accidental Release Measures

- Personal Protection:** Avoid ingestion  
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.  
Wear eye protection, gloves and aprons. Ventilate area well or wear approved respirators.

**Methods for Cleaning Up:** Eliminate all sources of ignition  
Ventilate area or wear approved respirators  
Prevent liquid from entering sewers  
Small spills can be wiped up with paper rags (place in closed metal waste container)  
Large spills can be absorbed onto non-flammable absorbent.  
Wash area with soap and water.

## **Section 7: Handling and Storage**

**Handling:** Avoid ingestion  
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.

**Safe Handling:** Wear eye protection, gloves and aprons. Ventilate area well or wear approved respirators.

### **Storage**

#### **Requirements for**

**Storage Areas and Containers:** Store in an area that is cool, dry, and well-ventilated.

## **Section 8: Exposure Controls/Personal Protection Engineering**

**Engineering Controls:** Provide adequate ventilation. Safety showers and eye wash stations should be located near work areas.  
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:

**Work Practice Controls:** (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.  
(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.  
(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

**Respiratory:** Avoid casual breathing of vapors

**Ventilation:** Local, mechanical exhaust is recommended

**Eye:** OSHA approved safety glasses

**Skin:** Wear gloves and clothing to avoid skin contact

## Section 9: Physical and Chemical Properties

<b>Physical State:</b>	Liquid, Oil
<b>Color:</b>	Clear pale yellow to amber
<b>Odor:</b>	Characteristic of carrot, herbaceous
<b>Vapor Pressure (mm Hg.):</b>	Not available
<b>Flash Point:</b>	58°C
<b>Boiling Point:</b>	Not available
<b>Melting Point:</b>	N/A
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	Not available
<b>Refractive Index @ 25°C:</b>	Not available
<b>Optical Rotation:</b>	Not available
<b>Solubility in Water:</b>	Insoluble

## Section 10: Stability and Reactivity

<b>Stability:</b>	This material is stable under normal conditions
<b>Incompatibility (Materials to Avoid):</b>	Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
<b>Conditions to Avoid:</b>	Avoid contact with sparks, flame and heat.
<b>Hazardous Decomposition or Byproducts:</b>	CO, CO <sub>2</sub> , smoke and unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur

## Section 11: Toxicological Information

**CAUTION: Liquid may be irritating to eyes and skin.**

<b>ACGIH TLV:</b>	None established
<b>OSHA PEL:</b>	None established
<b>Carcinogenicity:</b>	NTP Monograph: None established IARC Monograph: None established
<b>Acute Toxicity Data:</b>	Oral LD <sub>50</sub> : > 5000 mg/kg [Rat] Dermal LD <sub>50</sub> : > 5000 mg/kg [Rabbit] Inhalation LC <sub>50</sub> : None established
<b>Irritancy:</b>	Not Available
<b>Sensitization:</b>	Not Available
<b>Phototoxicity:</b>	Not Available

## Section 12: Ecological Information

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

## Section 13: Disposal Considerations

<b>Waste Disposal Methods:</b>	Dispose of according to local, state and federal regulations.
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## Section 14: Transport Information

<b>Land Transport: ADR/RID:</b>	Class: 3 UN #: 1169 Packing Group: III Label Name: Extracts, Aromatic, Liquid.
<b>Maritime Transport: IMDG:</b>	Class: 3 UN #: 1169 Packing Group: III Label Name: Extracts, Aromatic, Liquid. Marine Pollutant: Yes
<b>Air Transport: ICAO-TI/IATA-DGR:</b>	Class: 3 UN #: 1169 Packing Group: III Label Name: Extracts, Aromatic, Liquid.

## Section 15: Other Regulatory Information

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

<b>Risk Phrases:</b>	R10: Flammable
<b>Safety Phrases:</b>	S29: Do not empty into drains S43: In case of fire, use CO <sub>2</sub> , 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)
<b>Water Hazard Class:</b>	2: Hazardous for water
<b>Protective Equipment:</b>	Gloves Lab Coat Approved Vapor Respirator Splash Goggles

## Section 16: Other Information

### Disclaimer:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Plant's Power be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Plant's Power has been advised of the possibility of such damages.

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