



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

## MATERIAL SAFETY DATA SHEET

### Onion Oil

#### Section 1: Product and Company Identification

Product Name: Onion Oil

Botanical Name: *Allium Cepa L.*

INCI Name: Allium Cepa L. (Onion Oil)

CAS No.: 8002-72-0

#### 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: (613)-996-6666 CANUTEC
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#### Section 2: Composition and Information on Ingredients

Composition: Onion oil is an essential oil derived from the bulb of *Allium Cepa L.*

Name: Onion Oil

CAS No.: 8002-72-0

% by Weight: 100%

Toxicological Data on Ingredients: Not applicable.

### Section 3: Hazards Identification

Hazard description:

Harmful  
Flammable



Information pertaining to particular dangers for man and environment:

- Flammable.
- Harmful by inhalation and in contact with skin.
- Irritation to eyes and skin.
- May cause sensitization by skin contact.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

USA

NFPA ratings (scale 0-4)

Health = 3

Fire = 3

Reactivity = 0

HMIS rating (scale 0-4)

Health = 3

Fire = 3

Reactivity = 0

### Section 4: First Aid Measures

- General information: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation: Supply fresh air and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.  
Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

### Section 5: Fire and Explosive

Suitable extinguishing agents: CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

For safety reasons unsuitable extinguishing agents: Water  
Water with full jet

Protective equipment: Mount respiratory protective device.

## Section 6: Accidental Release Measures

Environmental Precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods Cleaning/Recovery	
Small Spills:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.
Large Spills:	Stop leak if without risk. Wash spillage into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material (e.g. sand, earth, vermiculite, or diatomaceous earth) and place in container for disposal according to local regulations. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

## Section 7: Handling and Storage

Precautions for Safe Handling:	Put on appropriate personal protective equipment. Avoid breathing vapours. Do not get in eyes, on skin, or on clothing. Wash hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear eye and face protection. Use personal protective equipment as required. In case of inadequate ventilation wear respiratory protection.
Conditions for Safe Storage:	Store in a cool location. Protect from sunlight. Store in a dry place. Store in a close container. Store in a well-ventilated place. Keep container tightly closed.

## Section 8: Exposure Controls/Personal Protection Engineering

Engineering Controls:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.
Personal Protection:	Wear appropriate protective gloves, clothing and goggles.
Respirators:	Wear positive pressure self-contained breathing apparatus (SCBA).
Exposure Effects:	Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness).
Large Spill:	Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## Section 9: Physical and Chemical Properties

Form:	Fluid
Color:	According to product specifications
Odor:	Characteristic

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: n.a.

Flash point: 61°C

Ignition temperature: n.a.

Auto igniting: Product is not self-igniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

## Section 10: Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	No dangerous reactions known.
Conditions to Avoid:	Avoid excess heat, open flames, or other sources of ignition.
Incompatible Materials:	Avoid contact with strong oxidizing materials.
Hazardous Decomp. Products:	Decomposition will not occur if handled and stored properly.

## Section 11: Toxicological Information

Acute toxicity:

LD/Lc50 values that are relevant for classification:

8002-72-0 Allium Cepa L.

Oral LD50: 1100 mg/kg (rat)

Dermal LD50: n.a mg/kg (rbt)

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes.

On the eyes: Irritating effect.

Sensitization: Sensitization possible through skin contact.

## Section 12: Ecological Information

Water hazard class 2 (Self-assessment):	Hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
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## Section 13: Disposal Considerations

Product: Onion Oil

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

## Section 14: Transport Information

### DOT regulations:

Hazard class: 3  
 Identification number UN1992  
 Packaging group: III



### Land transport ADR/RID (cross-border):

ADR/RID class 3  
 Label: 3+6.1  
 UN-Number: 1992  
 Proper shipping name: Flammable, Liquid, Toxic, n.o.s



### Maritime transport IMDG:

IMDG Class: 3  
 Label: 3+6.1  
 UN Number: 1992  
 Packaging group: III  
 EMS Number: 3-07  
 MFAG: 310  
 Marine pollutant: Yes  
 Proper shipping name: Flammable, Liquid, Toxic, n.o.s



### Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: 3  
 Label: 3+6.1  
 UN-Number: 1992  
 Packaging group: III  
 Proper shipping name: Flammable, Liquid, Toxic, n.o.s



## Section 15: Other Regulatory Information

Product related hazard informations:

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

Hazard symbols:

Harmful

Flammable

Hazard-determining components of labeling:

Risk phrases:

R10 Flammable.

R20/21/22 Harmful by inhalation and in contact with skin

R36/38 Irritating to eyes and skin.

R43 May cause sensitization by skin contact.

Safety phrases:

- S7/9 Keep container tightly closed and in a well-ventilated place.  
S16 Keep away from sources of ignition – No smoking.  
S24/25 Avoid contact with eyes and skin.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S27/28 After contact with skin, wash immediately with plenty of water.  
S33 Take precautionary measures against static discharges.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

Water hazard class: Water hazard class 2 (Self- assessment): hazardous for water

## 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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