



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

Material Safety Data Sheet Lemon Oil, Cold-Pressed

Section 1: Product and Company Identification

Product Name: Lemon Oil, Cold Pressed

Botanical Name: *Citrus limonum*

INCI Name: Citrus limonum peel oil

CAS No.: 8008-56-8

UN No.: 1169: *Liquid Aromatic Extracts*

Synonyms: Citrus limonum Risso

Chemical Identification: Lemon oil

Contact Information:

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

Composition: Lemon oil is an essential oil derived from the peel of *Citrus limonum*

Name: Lemon Oil

CAS No.: 8008-56-8

% by Weight: 100%

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1901.1200)

Classification of the Substance or Mixture

Flammable Liquids – Category 3
Skin Corrosion/Irritation – Category 2
Skin Sensitization – Category 1B
Acute Toxicity – Category 4
Organ Toxicity, Single Exposure – Category 3

Signal Word: Warning



Hazard Statements:

Flammable liquid and vapour
Causes skin irritation
May cause an allergic skin reaction
Causes eye irritation
Harmful if swallowed
May cause respiratory irritation

General Precautionary Information:

Keep out of reach of children
Read label before use
If medical advice is needed, have product container or label at hand

Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. - No smoking.
Keep container tightly closed
Avoid breathing dust/fume/gas/mist/vapours/spray
Wear protective gloves, clothing, eye and face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only outdoors or in a well-ventilated area
Contaminated work clothing should not be allowed out of the workplace

Storage

Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant in accordance with local/regional/national/international regulations.

Section 4: First Aid Measures

- Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: get medical attention/advice.
- Skin Contact:** If on skin wash with plenty of water. If skin irritation or rash occurs, get medical attention. Take off contaminated clothing and wash it before reuse. Treat symptomatically.
- Inhalation:** IF INHALED: remove person to fresh air and keep comfortable for breathing.
- Ingestion:** IF SWALLOWED: call a poison center/doctor if you feel unwell. Rinse mouth.

Section 5: Fire and Explosion

- Physical Hazard:** Flammable material
- Conditions of Flammability:** Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surfaces. No smoking.
- Suitable Extinguishing Media:** In case of fire: use carbon dioxide, dry chemical, and foam for extinction.
- Unsuitable Extinguishing Media:** Do not use a water jet.
- Hazardous Decomp. Products:** Hazardous decomposition products may form and include the following materials: carbon oxides.
- Special Protective Equipment for Fire Fighters:** Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus for firefighting if necessary.

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: Keep cool.
Protect from sunlight.
Store in a dry place. Store in a closed container.
Store in a well-ventilated place. Keep container tightly closed.

Section 8: Exposure Controls/Personal Protection Engineering

Engineering Controls: None established.

Eye/Face Protection: Wear chemical safety glasses, goggles or face shield.

Skin Protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved.

Respiratory Protection: Under normal use conditions, with adequate ventilation, no special handling equipment is required. Use only outdoors or in a well-ventilated area.

Section 9: Physical and Chemical Properties

Appearance

Form: Liquid
Colour: Pale yellow to Dark yellow/Clear
Odour: Citrus lemon

Safety Data

Flash Point: 47°C/117°F

Boiling Point: 176°C/349°F
Solubility: Oil

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

Routes of Entry: Absorbed through skin. Eye contact.

Toxicity to Animals:

Oral LD50: >5g/kg (rat)

Dermal LD50:>5g/kg (rabbit)

Acute Potential Health Effects:

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Ingestion of large amounts may cause digestive tract irritation.

Inhalation: Breathing high concentrations of vapor may cause an esthetic effects. Vapor may be irritating to respiratory tract.

Chronic Potential Health Effects:

Skin: Repeated contact may cause allergic dermatitis. This product is a natural product for which no health hazard data exist.

Section 12: Ecological Information

Eco-toxicity: Not available.

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, provincial or state and local environmental control regulations.

Section 14: Transport Information

DOT

UN Number: UN2319
Proper Shipping Name: Terpene Hydrocarbon, N.O.S
Class: 3
Packing Group: III

IATA

UN Number: UN2319
Proper Shipping Name: Terpene Hydrocarbon, N.O.S
Class: 3
Packing Group: III

IMDG/IMO

UN Number: UN2319
Proper Shipping Name: Terpene Hydrocarbon, N.O.S
Class: 3
Packing Group: III

ADR/RID

UN Number: UN2319
Proper Shipping Name: Terpene Hydrocarbon, N.O.S
Class: 3
Packing Group: III

Section 15: Other Regulatory Information

GHS – flammable liquid

OSHA Hazard Category – flammable liquid

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.