



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

## MATERIAL SAFETY DATA SHEET

### Cedar Leaf Oil

#### Section 1: Product and Company Identification

Product Name: Cedar Leaf Oil

Botanical Name: *Thuja occidentalis*

INCI Name: Thuja occidentalis leaf oil

EINECS No.: 290-370-1

CAS No.: 90131-58-1/ 8007-20-3

#### 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

Composition

Name: Cedar Leaf Oil

CAS No.: 8007-20-3

% by Weight: 100

Contents:  $\alpha$ -Pinene 0.7 – 1.3%,  $\gamma$ -Terpinene 2.8 – 3.5%

Toxicological Data on Ingredients: Cedar leaf oil: ORAL (LD50): Acute: 830 mg/kg [Rat].

### Section 3: Hazards Identification

#### Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant). Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of inhalation.

#### Potential Chronic Health Effects:

Very hazardous in case of skin contact (irritant). Hazardous in case of eye contact (irritant), of ingestion. Slightly hazardous in case of inhalation.

CARCINOGENIC EFFECTS: Not available.

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

The substance is toxic to the nervous system.

Repeated or prolonged exposure to the substance can produce target organs damage.

### Section 4: First Aid Measures

**Eye Contact:** Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Serious Skin Contact:** Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Serious Inhalation:** Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

**Ingestion:** Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion:** Not available.

## Section 5: Fire and Explosive

Flammability of the Product:	Combustible.
Auto-Ignition Temperature:	Not available.
Flash Points:	CLOSED CUP: 58°C (136.4°F).
Products of Combustion:	Carbon Monoxide, Carbon Dioxide.
Fire Hazards in Presence of Various Substances:	Not available.
Explosion Hazards in Presence of Various Substances:	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media:	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

## Section 6: Accidental Release Measures

Small Spill:	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill:	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk.
Personal Precautions:	Use of self-contained breathing apparatus is recommended for any major chemical spill.
Safety Precautions:	Eliminate all ignition sources. Ventilate area. Determine the need to evacuate or isolate the area according to your local emergency plan.
Environmental Precautions:	Keep away from drains, surface and ground water. Report spills to appropriate authorities.

## Section 7: Handling and Storage

Precautions:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapour/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage:	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

## 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 work-station location.
Personal Protection:	Splash goggles. Lab coat. Gloves.
Personal Protection in Case of a Large Spill:	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

## Section 9: Physical and Chemical Properties

Appearance:	Colourless to pale yellow, clear liquid
Odour:	Characteristic and strong camphoraceous like odour
Refractive Index:	1.450 – 1.465 at 20°C
Solubility:	Soluble in alcohol and oils. Insoluble in water.
Specific Gravity:	0.800 – 0.930 at 20°C
Flash Point:	56°C
Optical Rotation:	-14.0 - +26.0 at 20°C

## Section 10: Stability and Reactivity

Stability:	Chemically stable. This material presents no significant reactivity hazard.
Conditions to Avoid:	Avoid sparks, flame and excessive heat.
Materials to Avoid:	Strong oxidizing agents.
Flammability:	Combustible liquid.
Hazardous Polymerization:	Will not occur.
Hazardous Combustion:	When heated to decomposition produces acid fumes and carbon monoxide smoke.

## Section 11: Toxicological Information

Inhalation:	Inhalation of high concentrations of vapours may result in irritation of eyes.
Skin Contact:	Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis).
Eye Contact:	May irritate eyes.
Ingestion:	Low order toxicity causing irritation of the stomach and intestines, resulting in nausea and vomiting.
Medical Conditions Aggravated by Exposure:	May aggravate dermatitis, psoriasis and other skin conditions.

## Section 12: Ecological Information

General:	Very toxic to aquatic organism; may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.
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## Section 13: Disposal Considerations

Water Disposal:	Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance.
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## Section 14: Transport Information

UN No.:	UN1169: Liquid aromatic extract CLASS 3
Packaging Group:	PG III

## Section 15: Other Regulatory Information

WHMIS (Canada):	Group III, Class 3
HMIS (USA):	Health Hazard – N/A Fire Hazard – N/A Reactivity – N/A
California Proposition 65:	This product does not contain chemical listed per the Safe Drinking Water and Enforcement Act of 1986.
EU Labeling:	R10: Flammable Xn R22: Harmful if swallowed Xi R38: Irritating to skin S36/37/38: Wear suitable protective clothing, gloves and eye/face protection.

## **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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