



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

Material Safety Data Sheet Hinoki Essential Oil

Section 1: Chemical Product and Company Identification

Product Name: Hinoki Oil

Botanical Name: Chamaecyparis obtusa

INCI Name: Chamaecyparis obtusa wood oil

CAS No.: 91745-97-0

Country of Origin: Japan

Contact information:

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

Product Name: Hinoki Oil

CAS No.: 91745-97-0

Composition: 100% by wieght

Section 3: Hazards Identification

Routes of Entry

Eye Contact: Irritation and redness may occur

Skin Contact: Irritation may occur with prolonged contact

Inhalation: Throat and lung irritation may occur upon breathing vapors

Ingestion: Irritation of the throat, nausea and stomach pain may occur if swallowed.

Section 4: First Aid Measures

Eye Contact: Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

Inhalation: Remove to fresh air. Give oxygen if breathing is labored and seek medical advice. Avoid casual breathing. Signs of over exposure are dizziness and nausea.

Ingestion: Seek medical attention or contact local poison control center. Do not induce vomiting. Obtain medical advice immediately.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

Section 5: Fire and Explosion

Extinguishing media: Carbon dioxide, dry chemical powder, foam

Unsuitable Extinguishing media: Do not use full water jet

Special Procedures: Determine the need to evacuate or isolate the area according to your local emergency plan.

Protective Equipment: Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving essential oils or chemicals.

Combustion Product: Carbon Monoxide, Carbon Dioxide, Smoke

Section 6: Accidental Release Measures

Personal Precautions: Do NOT smoke and do NOT expose the product to a live flame or to any other potential source of ignition.
Handle the product using protective gloves resistant to the the chemicals exposed. Avoid contact with skin and inhalation of its vapours or smoke.
Maintain adequate ventilation in the working area after spilling.

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 if required.

Methods For Cleaning Up: Contain and collect with inert absorbent material and place in suitable container for disposal. Comply with all federal, state, and local regulation. Wipe small spills with cloth. Clean with hot water and detergent.

Section 7: Handling and Storage

Handling: Use in well-ventilated area. Keep away from heat and sources of ignition. No smoking, eating or drinking. Adopt best manual handling consideration when handling, carrying and dispensing.

Storage: Keep container tightly closed in a cool, well ventilated place. Keep away from oxidizing agents, heat and open flames. Keep in properly labeled container.

Section 8: Exposure Controls/Personal Protection Engineering

Exposure Controls: Ensure adequate ventilation. Observe a good sense of work hygiene, when using: do not eat, drink or smoke.

Eyes Protection: Use tightly sealed goggles.

Respiratory Protection: In well-ventilated areas, respiratory protection is not normally required. In confined, poorly ventilated areas the use of "NIOSH" approved respiratory protection normally required (use only if trained in proper use and with acceptable oxygen level).

Protective Gloves: Using chemical resistant gloves is recommended.

Protective Clothing: Using chemical resistant clothing is recommended.

Protective Equipment: An eyewash fountain and / or safety shower should be available in the work area. Acceptable industrial hygiene practices should be maintained.

Note:

These precautions are for room temperature handling. Use at elevated temperature or aerosol / spray applications may require additional precautions

Section 9: Physical and Chemical Properties

Physical State:	Liquid oil, viscous
Color:	light yellow clear amber
Odor:	lemony, fresh green, characteristics of Hinoki
Boiling Point:	Not available
Melting Point:	Not available
Solubility in Water:	Insoluble
Flash Point:	54 °C (closed cup)
Density (20 0 C):	0.894

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:	Oxidizing agents.
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

Section 11: Toxicological Information

Acute Toxicity:	LD50 Oral – rat, 2600 mg/kg LD50 Dermal – rabbit, >5000 mg/kg
Inhalation:	Inhalation of high concentrations of vapor may result in irritation of eyes, nose and throat, headache, nausea, and dizziness.
Skin Contact:	Repeated or prolonged contact can cause redness, irritation and scaling of skin (Dermatitis). Adverse skin effects should be prevented by normal care and personal hygiene
Eye Contact:	May irritate eyes.
Ingestion:	Low order toxicity causing irritation of the stomach and intestines which results in nausea and vomiting.
Medical Conditions Aggravated by Exposure:	May aggravate dermatitis, psoriasis and other skin conditions.

Chronic Toxicity: May cause allergic reactions on skin
Carcinogenicity Data: None of the components of this material are listed as a carcinogen.
Reproductive Toxicity: No adverse effects on reproduction are known.
Acute Toxicity Values: No data is currently available.

Section 12: Ecological Information

Eco toxicity: Very toxic to aquatic organism may cause long-term adverse effects in the aquatic environment. Avoid any pollution of ground, surface or underground water.
Other Adverse Effects: Do not allow the material to enter streams, sewers or other waterways.

Section 13: Disposal Considerations

Waste Disposal: Incineration or sanitary landfill in accordance with local, provincial and federal regulations. Check with disposal expert to insure compliance

Section 14: Transport Information

UN number

ADR/RID: 1993 IMDG: 1993 IATA: 1993

UN proper shipping name

ADR/RID: FLAMMABLE LIQUID, N.O.S.

IMDG: FLAMMABLE LIQUID, N.O.S.

IATA: Flammable liquid, n.o.s.

Transport hazard class(es)

ADR/RID: 3 IMDG: 3 IATA: 3

Packaging group

ADR/RID: III IMDG: III IATA: III

Environmental hazards

ADR/RID: no IMDG Marine pollutant: yes IATA: no

Section 15: Other Regulatory Information

Hazard Symbols: Flammable

Risk Phrases: R10: Flammable, R36/38: Irritating to skin and eyes, R43: May cause sensitization by skin contact, R65: Harmful: May cause lung damage if swallowed, S02: Keep out of the reach of children, S24/25: Avoid contact with skin and eyes, S36: Wear suitable protective clothing, S45: In case of accident or if you feel unwell, seek medical advice immediately.

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.
