



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

MATERIAL SAFETY DATA SHEET

Cinnamon Leaf Oil

Section 1: Product and Company Identification

Product Name: Cinnamon Leaf Oil

Botanical Name: *Cinnamomun verum*

INCI Name: Cinnamomum zeylanicum (Cinnamon) Leaf Oil

Synonyms: *Laurus cinnamomum*, *Cinnamomum zeylanicum*

FEMA No. 2292

CAS No.: 8015-91-6

Country of Origin: Sri Lanka

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

Major Chemical:

Eugenol: 73 – 89%

Section 3: Hazards Identification

Compound	Percentage	R-Phrases
Cinnamaldehyde	<0.2%	R-36, 43
Safrol	<1.5%	R-36, 43

Eugenol	<89.0%	R-36, 43
Benzyl Benzoate	<4.00%	R-36, 35
Benzaldehyde	<0.2%	R-36, 43



R-21: Harmful in contact with skin.

R-38: Irritating to skin.

R-43: May cause sensitization by skin contact.

S-24: Avoid contact with the skin.

S-36/37: Wear suitable protective clothing and gloves.

Classification according to regulation EC No. 1272/2008



May cause mild health effect.



Very toxic to aquatic life.



Harmful in contact with skin and eye.

Combustible liquid (Flash point 190°F/87.78°C).

Potential acute health effect.

Hazardous in cause of skin contact irritants of eye contact irritants.

Acute oral toxicity (LD50) 2650 mg/kg [Rat]

Acute dermal toxicity (LD50) >5.0 mg/kg [Rabbit]

Environment miss handling that can contaminate with soil, ground and surface water.

Section 4: First Aid Measures

Eye Contact:	Flush immediately with water for at least 15 minutes. Get medical treatment.
Skin Contact:	Wash thoroughly with soap and water.
Inhalation:	Remove from exposure site to fresh air and allowed to get fresh air if not successful who is given artificial air or consult a doctor.
Ingestion:	Rinse mouth with water and consult a doctor.

Section 5: Fire and Explosive

Flammability:	Medium combustibility in room temperature. Flash point: 87.78°C
Product of Combustion:	In open area carbon dioxide and water. Under limit factor may produce carbon monoxide.
Extinguishing Media:	Carbon dioxide, dry chemical, foam. Do not use direct water jet on burning materials.
Special Protective action for Firefighters:	Try to keep containers wall cool with water spray.

Section 6: Accidental Release Measures

Personal Precaution:	First remove ignition source. Contact with skin, eye and inhalation when it is clean use protective equipment for eye, nose, mouth and hands.
Environmental Precautions:	Do not allow to go into drain surface, ground water and soil.
Methods and Materials for Containment and Clean up:	Provide adequate ventilation for avoid excess inhalation of vapour. Spillage should be clean immediately by use of sand or inert powder and it is kept without contaminate of environment.

Section 7: Handling and Storage

Handling:	Apply according to the goods manufacturing and industrial hygiene practices . Use proper and standard equipments. Do not eat or drink while handling.
Storage:	Store in cool, dry and ventilated away from heat source and protected from light.
Fire Protection:	Keep away from ignition source and flame.

Section 8 - Exposure Controls / Personal Protection

Control Parameter:	Keep cool condition. Higher moisture of the skin mean less permeable.
Appropriate Engineering:	Provide exhaust ventilation of other engineering control to keep the air borne concentration of weeper below their respective threshold limit value ensure that the eye wash stations and safety showers are proximal to the work station location.

Individual Protection:	<p>Personal protection equipment.</p> <p>General protective and hygiene measures.</p> <p>Do not eat drink smoke or sniff while working.</p> <p>Keep away from food stuffs, beverages and immediately remove all solid and contaminated clothing.</p> <p>Wash hands before break and at the end of work.</p> <p>Avoid contact with the eyes and skin.</p>
Respiratory Protection:	Use suitable respiratory protective device only when vapours are generated.
Hands Protection:	<p>Protective gloves.</p> <p>The gloves material has to be impermeable and resistance to the product.</p> <p>Due to missing test no recommendation to the glove material can be given for the product. Selection of the glove material on consideration the penetration time rate of the diffusion and the degradation.</p>
Eye Protection:	Tightly sealed goggle.
Body Protection:	Protective work clothing.

Section 9: Physical and Chemical Properties

Appearance:	Yellow to golden brown
Odour:	Specific cinnamon
Melting Point/Freezing Point:	-7.5°C
Initial Boiling Point:	234°C
Flash Point:	87.78°C
Vapour Pressure:	3.85 Pa (0.0289 mm Hg)
Specific Gravity:	1.045 – 1.063
Solubility:	Insoluble in cool water, hot water, ethanol

Section 10: Stability and Reactivity

Reactivity:	Present no significant reactivity hazard by itself or in contact with water.
Chemical Stability:	The product is stable.
Possibility of Hazardous Reaction:	Oxidizing agent, acid, alkali, light and air condition to avoid under nitrogen surface.
Incompatible Material:	Polythene.
Hazardous Decomposition:	Carbon monoxide may be present during combustion.

Section 11: Toxicological Information

Information on the likely routes of exposure

Inhalation: cooling system is not proper function during this process.

Skin: low moisture content in skin.

Ingestion: before and after the process hands are not properly washed.

Symptoms: irritating to the eyes and sensitizing by skin contact.

Delay and immediate effects and also chronic effect from short and long term exposure

Immediate Effect: burning sensitization

Delayed Effect: not available

Numerical measures of toxicity

Acute: oral toxicity (LD50) 2650 mg/kg [RAT]

Acute: dermal toxicity (LD50) >5000 mg/kg [RABBIT]

Section 12: Ecological Information

Ecotoxicity: Aquatic Toxicity
– quantitative data on the ecological effect of this product is not available.

Remarks

– do not allow to enter water, waste water or soil.

– Toxic to acquit organisms.

Persistence & Degradability:

Sensitivity to air, light, oxidizing agent, acid and alkali.

However, long-term degradation product may arise.

Bio-accumulative Prevention:

This product is unlikely to accumulate in the environment.

Mobility in Soil: Little portion dissolve in the water and move

Section 13: Disposal Considerations

Waste Disposal: Waste must be dispose according to local regulation avoid disposing into the environment.

Section 14: Transport Information

UN No.: Not available

UN Proper Shipping Name: Not available

Transport Hazard Class: Not available

Packing Group: Not available

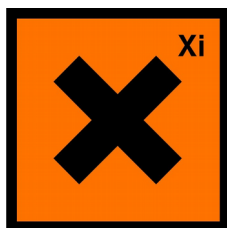
Environment Hazard: Not available

Transport in Bulk: Not available

Safety Precautions: Not available

Section 15: Other Regulatory Information

Hazard Symbol: Xi – irritating to eyes



Risk Phrases: R34 – irritating to eyes
R43 – may cause sensitization by skin contact

Safety Phrases: S24 – avoid contact with skin
S26 – in case of contact with eyes, rinse immediately with plenty of water and see medical advice.
S36/S37 – where suitable protective clothing and gloves

Section 16. OTHER INFORMATION

Steam distillation from the leaves of *Cinnamon zeylanicum*.

The shelf life of this product is 36 months from date of manufacture.

Recommendation for Cinnamon leaf oil Ceylon fragrance usage level up to 6.0% in fragrances.

Recommendation for Cinnamon leaf oil Ceylon flavour usage level up to 520.0ppm in flavours.

Use with caution and in only small quantities.

Will irritate skin.

To reduce the irrelevant effects of the oil, bland with Eugenol (Clove oil 50-50).

Disclaimer:

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