



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

Material Safety Data Sheet Palmarosa Oil

Section 1: Product and Company Identification

Product Name: Palmarosa Oil
Botanical Name: *Cymbopogon martini*
INCI Name: Cymbopogon martini Oil
CAS#: 8014-19-5

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

Composition:

Citral 1-5%	
CAS No.: 5392-40-5	EC No.: 226-394-6
Classification (EC 1272/2008) Skin Irrit. 2 – H315 Skin Sens. 1 – H317	Classification (67/548/EEC) R43 Xi; R38
Estragole <1%	
CAS No.: 140-67-0	EC No.: 205-427-8
Classification (EC 1272/2008)	Classification (67/548/EEC)

Review date: October 23, 2017

Acute Tox. 4 – H302 Skin Sens. 1 – H317 Muta . 2 – H341 Carc. 2 – H351	Xn;R22 Carc. Cat. 3; R40 Muta. Cat. 3; R68 R43
Geranylacetate 5-10%	
CAS No.: 105-87-3	EC No.: 203-341-5
Classification (EC 1272/2008) Aquatic Chronic 2 - H411	Classification (67/548/EEC) N; R51/53
Geraniol 60-100%	
CAS No.: 106-24-1	EC No.: 203-377-1
Classification (EC 1272/2008) Skin Irrit. 2 – H315 Eye Dam. 1 – H318 Skin Sens. 1 – H317	Classification (67/548/EEC) Xi;R38, R41 R43
Limonene 1-5%	
CAS No.: 138-86-3	EC No.: 205-341-0
Classification (EC 1272/2008) Flam. Liq. 3 H226 Skin Irrit. 2 – H315 Skin Sens. 1 – H317 Asp. Tox. 1 – H304 Aquatic Acute 1 – H400 Aquatic Chronic 1 – H410	Classification (67/548/EEC) Xn; R65 Xi; R38 N; R50/53 R10,R43
Linalool 1-5%	
CAS No.: 78-70-6	EC No.: 201-134-4
Classification (EC 1272/2008) Skin Irrit. 2 - H315	Classification (67/548/EEC) Xi; R38

Section 3: Hazards Identification

Classification (1999/45): Xi; R38, R41, R43, R52/53

Classification (EC 1272/2008)

Physical: Not classified.

Health: Skin Irrit. 2 –H315; Eye Dam. 1 –H318; Skin Sens. 1 –H317

Environmental: Aquatic Chronic 3 – H412

Label in accordance with (EC) No. 1272/2008:



Signal Word: Danger

Contains: Citral, Geraniol, Limonene

Hazard Statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338

IF IN EYES

Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Supplementary precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash.....thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P302/352

IF ON SKIN: Wash with plenty of soap and water.

P310 Immediately call a POISON CENTER or doctor/physician

P321 Specific treatment (see... .. on this label.)

P332/313 If skin irritation occurs: Get medical advice/attention.

P333/313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P501 Dispose of contents/container to...

Section 4: First Aid Measures

General Information:	Remove affected person from source of contamination. Perform artificial respiration if breathing has stopped.
Notes To The Physician:	No specific first aid measures noted.
Inhalation:	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system. Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion:	If necessary, rinse mouth and provide fresh air. Get medical attention if any discomfort continues.
Skin Contact:	If necessary remove contaminated clothing and wash skin with soap and water. Get medical attention if any discomfort continues.
Eye Contact:	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

Section 5: Fire and Explosion Data

Extinguishing Media:	Dry Chemical Carbon Dioxide Foam
Special Firefighting Procedures:	Containers close to the fire should be removed or cooled with water.
Unusual Fire & Explosion Hazards:	No unusual fire or explosion hazards noted.
Specific Hazards:	When heated and in case of fire, toxic vapours/gases may be formed.
Protective Measures in Fire:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Section 6: Accidental Release Measures

Personal Protection:	Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
Environmental Protection:	Do not discharge into drains, water courses or onto the ground
Methods for Cleaning Up:	Absorb with inert, damp, non-combustible material, then flush area with water.

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Shovel into dry containers. Cover and move the containers.
Flush the area with water.

Section 7: Handling and Storage

Handling

- Safe Handling: Avoid spilling, skin and eye contact
Adopt best manual handling considerations when handling,
carrying and dispensing
Use in a well ventilated area
- Storage Precautions: Store in tightly closed original container in a dry, cool and well-ventilated place.
Keep away from heat, sparks and open flames.
Protect from freezing and direct sunlight.
- Storage Class: Unspecified storage.

Section 8: Exposure Controls/Personal Protection

- Engineering Controls: Provide adequate ventilation
- Personal Protection
- Eye: If risk of splashing, wear safety goggles or face shield.
- Skin/Body: Wear apron or protective clothing in case of splashes.
- Hand: Protective gloves should be used if there is a risk of direct contact or splash.
- Respiratory: No specific recommendation made, but respiratory protection may be still be required under exceptional circumstances when excessive air contamination exists.
- Hygiene Measures: No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.
- Other: Wear appropriate clothing to prevent any possibility of skin contact.

Section 9: Physical and Chemical Properties

- Colour: Colourless to yellow/orange
- Odour: Floral, rose and geraniol like odour
- Specific Gravity @ 20°C: 0.879 – 0.900
- Refractive Index @ 20°C: 1.467 – 1.480
- Flash Point °C: 100
- Solubility in 70% Ethanol: Soluble 1+2 at 20°C

Section 10: Stability and Reactivity Data

Stability:	Stable under normal temperature conditions.
Conditions To Avoid:	Avoid heat, flames and other sources of ignition.
Hazardous Polymerization:	Will not polymerize.
Materials To Avoid:	Strong oxidizing substances. Strong acids. Strong Alkalis.
Hazardous Decomposition Products:	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.

Section 11: Toxicological Information

General Information:	No specific health warnings noted.
Inhalation:	In high concentrations, vapours may irritate throat and respiratory system and cause coughing.
Ingestion:	No specific health warnings noted. No harmful effects expected in amounts likely to be ingested by accident.
Skin Contact:	No specific health warnings noted.
Eye Contact:	Spray and vapour in the eyes may cause irritation and smarting.
Health Warnings:	No specific health warnings noted.
Medical Symptoms:	No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.
Medical Considerations:	Persons with rash are directed to skin expert for examination of allergic eczema.

Section 12: Ecological Information

Exotoxicity:	Refer to section 3
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Section 13: Disposal Considerations

Waste Disposal:	Do not put into sewer lines. Dispose of in accordance with state, local and federal regulations.
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Section 14: Transport Information

General:	This product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)
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Section 15: Other Regulatory Information

Eu Directives:

Regulation (EC) No 1907/2006 of the European Parliament and of the council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155 /EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Material Safety Data Sheet. Doc (H)7

Statutory Instruments:

The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

Approved Code Of Practice:

Classification and Labeling of Substances and Preparations Dangerous for Supply.

Guidance Notes:

Workplace Exposure Limits EH40

Section 16: Other Information

GENERAL INFORMATION: Shelf life: 36 months when stored within advised conditions.

RISK PHRASES IN FULL:

R10 Flammable.

R22 Harmful if swallowed.

R65 Harmful: may cause lung damage if swallowed.

R38 Irritating to skin.

R40 Limited evidence of a carcinogenic effect.

R43 May cause sensitization by skin contact.

R68 Possible risk of irreversible effects.

R41 Risk of serious damage to eyes.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

HAZARD STATEMENTS IN FULL:

H318 Causes serious eye damage.

H315 Causes skin irritation

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

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H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

H410 Very toxic to aquatic life with long lasting effects.

H400 Very toxic to aquatic life.

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