



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

Material Safety Data Sheet Bergamot Cold Pressed Oil

Section 1: Product and Company Identification

PRODUCT NAME: **Bergamot Cold Pressed oil**

BOTANICAL NAME: *Citrus bergamia*

INCI name: Citrus bergamia Peel Oil

EINECS No.: 289-612-9

CAS No.: 8007-75-8

Importer 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

DEFINITION/BOTANICAL ORIGIN: Bergamot oil is the volatile oil obtained by the cold press of the *Citrus bergamia* Risso at Poiteau and vacuum extraction.

CAS No: 8007-75-8

CCIV: official Application: Aromatherapy, inhalant blends, confectionery etc

INCI name: Citrus bergamia Peel Oil

CITRAL <1%	
CAS No.: 5392-40-5	EC No.: -
Classification (EC 1272/2008) Flam. Liq. 3 –H226 Skin Sens. 1 – H317 Asp. Tox. 1 –H304	Classification (67/548/EEC) Xn; R65. N; R50/53. R43, R10.

Aquatic Acute 1 –H400 Aquatic Chronic 1 –H410	
LIMONENE 30-60%	
CAS No.: 5989-27-5	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 10-30%	
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): Xn;R65. Xi;R38. R43 N;R50/53. R10.

Classification (EC 1272/2008)

Physical: Flam. Liq. 3 –H226

Health: Skin Irrit. 2 –H315; Skin Sens. 1 –H317; Asp. Tox. 1 –H304

Environmental: Aquatic Acute 1 –H400; Aquatic Chronic 1 –H410

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



Signal Word: Danger

Contains: CITRAL, LIMONENE & LINALOOL

Hazard Statements:

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statements:

P273 Avoid release to the environment.

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

Supplementary precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/.../equipment

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

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.

P301/310 IF SWALLOWED: Immediately call a POISON CENTER or Doctor/Physician.

P302/352 IF ON SKIN: Wash with plenty of soap and water.

P303/361/353 IF ON SKIN: (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

P331 Do NOT induce vomiting.

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.

P370/378 In case of fire: Use... for extinction.

P391 Collect spillage.

P403/235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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. Seek medical advice IMMEDIATELY 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:	Foam, carbon dioxide or dry powder.
Special Fire Fighting Procedures:	Containers close to 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 Precautions:	Use protective gloves, goggles and suitable protective clothing. In case of spills, beware of slippery floors and surfaces.
Environmental Precautions:	Do not discharge into drains, water courses or onto the ground.
Spill Clean Up Methods:	Absorb with inert, damp, non-combustible material, then flush area with water. Shovel into dry containers. Cover and move the containers. Flush the area with water.

Section 7: Handling and Storage

Usage Precautions:	Avoid spilling, skin and eye contact. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
Storage Precautions:	Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

Section 8: Exposure Controls/Personal Protection

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

Section 9: Physical and Chemical Properties

INCI Name:	Citrus Aurantium Bergamia Peel Oil
CAS No:	89957-91-5
EINECS No:	289-612-9
Description:	The Volatile Oil expressed from the peel of Citrus bergamia fruit
Applications:	Aromatherapy, Soaps
Appearance:	Mobile oily clear liquid
Colour:	Pale yellow to Yellow
Odour:	Typical Bergamot sweet and fresh
Specific Gravity (g/ml):	0.862 –0.872 @ 20°C
Refractive Index:	1.460 –1.470 @ 20°C
Optical Rotation:	+20.0 –+40.0 @ 20°C
Solubility:	Soluble in vegetable oils, Insoluble in water
Flash Point °C:	52 -59
Storage:	In Original tightly sealed containers away from heat and light
Shelf Life:	Recommend user checks quality after 12 months storage up to 3 years.

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:	In case of fire, toxic gases (CO, CO ₂ , NO _x) may be formed.

Section 11: Toxicological Information

Not a skin sensitizer. Opdyke D.J (1979) explained the phototoxic effects of Bergamot Oil were due to furanocoumarin content (FCT11, 1031). However see section 16. Literature value LD50 Oral Rate>5g/kg

Section 12: Ecological Information

Very toxic to aquatic organisms; may cause long term adverse effects in the aquatic environment. Adopt good working practices, so that the product if not released into the environment.

Biodegradability: Data not available

Precautions: Prevent surface contamination of soil, ground & surface water.

Section 13: Disposal Considerations

General Information:	Waste is suitable for incineration.
Disposal Methods:	Avoid disposing to drainage systems and into the environment. Seek expert advice. Dispose of waste and residues in accordance with local authority requirements.

Section 14: Transport Information



UN Number

ADR: 1169

IATA: 1169

IMDG: 1169

UN Proper Shipping Name

ADR: Extracts, Aromatic, Liquid

IATA: Extracts, Aromatic, Liquid

IMDG: Extracts, Aromatic, Liquid

Transport Hazard Class(es)

ADR: 3

IATA: 3

IMDG: 3

Packing Group

ADR: III

IATA: III

IMDG: III

Environmental Hazards

Marine Pollutant: No

Special Precautions for Users:

ADR Pack Group III Tunnel Restriction Code (D/E)

Rail (RID): 1169

IATA-Passenger Aircraft: 355

IATA-Cargo Aircraft: 366

IMDG-Technical Name: Extracts, Aromatic, Liquid

IMDG-MFAG: F-E, S-D

Section 15: Other Regulatory Information

- EU DIRECTIVES:** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th 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.
- Statutory Instruments:** The Chemicals (Hazard information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).
- Approved Code Of Practice:** Classification and Labelling of Substances and Preparations Dangerous for Supply.
- Guidance Notes:** Workplace Exposure Limits EH40.

Section 16: Other Information

Shelf life: Recommend user checks quality after 12 months storage up to 3 years.

RISK PHRASES IN FULL:

R10 Flammable liquid.

R65 Harmful: may cause lung damage if swallowed.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

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

SAFETY PHRASES IN FULL:

S24 Avoid contact with skin

S37 Wear suitable gloves

S61 Avoid release to the environment. Refer to special instructions/safety data sheets

S62 If swallowed, do not induce vomiting, seek medical advice immediately and show container or label.

Cosmetics Directive 7th Amendment: Restrictions may apply. A source of Citral, Limonene and Linalool listed as sensitisers. Check maximum usage levels for skin care products.

Suitable packaging: Glass, Lacquer lined steel/tin, Aluminium, F/HDPE.

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.
