

MSDS SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Palmarosa Essential Oil

BOTANICAL NAME/INCI Cymbopogon martinii var motia

PRODUCT USE: Cosmetic/Industrial

ORIGIN: India

SUPPLIER: Botanic Planet Canada Inc.

ADDRESS: 2 Bram Ct, Unit # 3-4 Brampton Ontario L6W 3R6 Canada

CAS Number: 90082-21-6

PHONE/FAX: 905-455-4444 / 905-455-8841

Emergency Tel No: (613)-996-6666 CANUTEC 24 HOUR EMERGENCY

2. Hazards Identification

Emergency Overview

GHS Classification

Flammable liquids - Category 4

Acute toxicity, dermal - Category 5

Skin corrosion/irritation - Category 2

Skin Sensitization - Category 1

Serious eye damage/eye Irritation - Category 2A

Hazardous to the aquatic environment, acute hazard - Category 2

Hazardous to the aquatic environment, long-term hazard - Category 3

GHS Label elements, including precautionary statements



Hazard statement(s)

H227 Combustible Liquid.

H313 May be harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

H412 Harmful to aquatic life with long-lasting effects

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.

P264 Wash face, hands and any exposed skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace.
 P273 Avoid release to the environment.
 P302+P350 IF ON SKIN: Gently wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P309+P311 IF exposed or if you feel unwell: call a POISON CENTER or doctor/physician.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P337+P313 If eye irritation persists get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P370+P378 In case of fire: Use CO₂, dry chemical, or foam to extinguish.
 P391 Collect spillage.
 P405 Store locked up.
 P501 Dispose of contents/container to an approved waste disposal plant.

3. Composition / Information on Ingredients

Product Name	CAS NO	EC NO	Concentration
Geraniol	106-24-1	203-377-1	70 - 85 %
Geranyl acetate	105-87-3	203-341-5	5 - 12 %
Linalool	78-70-6	201-134-4	2 - 5 %
beta-Caryophyllene	87-44-5	201-746-1	1 - 4 %
Citral	5392-40-5	226-394-6	0.1- 2 %
Farnesol	4602-84-0	225-004-1	0.2 - 2 %
l-Limonene	5989-54-8	227-815-6	0.05 - 1 %
Terpinolene	586-62-9	209-578-0	0.05 - 0.5 %

4. First-Aid Measure

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention. **EYE CONTACT:** Rinse immediately with plenty of water for at least 15 minutes. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water, flush with plenty of water. If irritation persists, seek medical advice.

INGESTION: Rinse out mouth with water. Seek medical advice immediately.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15).

5. Fire Fighting Measures

EXTINGUISHING MEDIA: Use CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

EXTINGUISHING PROCEDURES: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (Safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages. **ENVIRONMENT**

PRECAUTIONS: Keep away from drains, soils, surface & ground waters. **CLEAN UP**

METHODS Remove all potential ignition sources. Contain spilled material. Cover with an inert or FOR **SPILLAGES**: non-combustible inorganic absorbent material, sweep up and remove to an approved disposal container. Observe municipal, federal and local disposal regulations.

7. Handling & Storage

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene. Do not eat, drink or smoke whilst handling. **STORAGE CONDITIONS:** Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.

FIRE PROTECTION: Keep away from ignition sources & naked flames. Take precautions to avoid static discharges in working area.

8. Exposure Controls/Personal Protection

RESPIRATORY PROTECTION: Avoid breathing product vapour. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK / HYGIENE PRACTICES: Wash hands with soap & water after handling.

9. Physical & Chemical Properties

Appearance: Pale yellow to Clear liquid.

Odor: Characteristic sweet, floral and rosy odor.

Flash point: 93°C

Relative density: 0.880 to 0.910 @ 25 °C

Solubility: Soluble in alcohol and oils. Insoluble water.

Refractive index: 1.460 to 1.490 @ 25 °C

Optical rotation: -5.0° to +5.0° @ 25 °C

10. Stability & Reactivity

REACTIVITY: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

DECOMPOSITION: Liable to cause smoke & acrid fumes during combustion: carbon monoxide, carbon dioxide and other non-identified organic compounds may be formed.

11. Toxicological Information

May be irritation to skin.

12. Ecological Information

BIODEGRADABILITY: Data not available

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

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): n/a

AIR (IATA/ICAO): n/a

SEA (IMDG): n/a

CHIP: See section 15

15. Regulatory Information

HAZARDS: n/a

SYMBOLS: n/a

RISK PHRASES: n/a

SAFETY PHRASES: n/a

16. Other Information



Shelf life of this product depends very much on storage conditions, particularly moisture, temperature, exposure to light and air.

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Palmarose Essential Oil
BOTANICAL NAME/INCI Cymbopogon martinii var motia
LOT NO: BPCPEO12025
EXPIRY DATE: January 2029
Extraction Method: Steam Distillation
ORIGIN: - India

Properties

Specifications

Results

Appearance: Pale yellow to clear liquid. Complies

Odor: Characteristic rose like odor. Complies

Solubility: Insoluble in water. Complies

Specific Gravity: 0.878 to 0.892 @ 25°C

Optical Rotation: -2.0° to +3.0° @ 25°C

Refractive Index: 1.470 to 1.478 @ 20°C

Geraniol: 60 - 80% - 70% Complies

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