



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

Material Safety Data Sheet Myrtle Essential Oil

Section 1: Product and Company Identification

Product Name: Myrtle Essential Oil

Botanical Name: *Myrtus communis*

INCI Name: Myrtus communis leaf oil

CAS#: 84082-67-7

EC#: 282-012-8

UN No. 1169: Liquid aromatic extract

Synonyms: *Myrtus communis* var. *romana*, *Myrtus communis* var. *taretina*

Chemical Identification: Oil, myrtle

Contact information:

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|--|---|
| 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:

Name: Myrtus communis leaf oil

CAS#: 84082-67-7

% by Weight: 100%

Toxicological Data on Ingredients:

Section 3: Hazards Identification

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| Physical & Chemical Hazards: | Slightly hazardous – Methyl Eugenol |
| Physical Hazard: | FL 3 |
| Health Hazard: | AH 1, ATO 5, CAR 2, MUT 2, SCI 2, SS 1 |
| Environmental Hazard: | EH-A 2, EH-C 2 |



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| Words of warning particular risks: | Danger |
| Particular Risks: | H226 Flammable liquid and vapour H303 May be harmful if swallowed H304 May be fatal if swallowed and enters airway H315 Causes skin irritation H317 May cause an allergic skin reaction H341 Suspected of causing genetic defects H401 Toxic to aquatic life H411 Toxic to aquatic life with long lasting effects |

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| Precautionary Statement Prevention: | P201 Obtain special instruction before use P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, sparks, open flames or hot surfaces – No smoking P233 Keep container tightly closed P240 Ground/bond container and receiving equipment P241 Use explosion-proof electrical, ventilation, lighting, communication, 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 parts in contact thoroughly after handling P272 Contaminated work clothing should not be allowed out of the workplace P273 Avoid release to the environment P280 Wear protective gloves, protective clothing, eye |
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protection, face protection

P281 Use personal protective equipment as required

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| Precautionary Statement Response: | P301+P310 | IF SWALLOWED: immediately call a POISON CENTER or doctor/physician |
| | P302+P352 | IF ON SKIN: wash with plenty of soap and water |
| | P303+P361+P353 | IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower |
| | P308+P313 | If exposed or concerned: Get medical advice |
| | P312 | Call a POISON CENTER or doctor if you feel unwell |
| | P321 | Specific treatment |
| | P331 | Do NOT induce vomiting |
| | P332+P313 | If skin irritation occurs: Get medical advice |
| | P333+P313 | If skin irritation or rash occurs: Get medical advice |
| | P362 | Take off contaminated clothing before reuse |
| | P263 | Wash contaminated clothing before reuse |
| | P370+PP378 | In case of fire: Use CO2 foam, dry chemical for extinction |
| | P391 | Collect spillage |
| Precautionary Statement Storage: | P403+P235 | Store in well-ventilated place. Keep cool. |
| | P405 | Store locked up |
| Precautionary Statement Disposal: | P501 | Dispose of contents and/or container in accordance with local, regional, national and/or international regulation |

Section 4: First Aid Measures

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| Eye contact: | Flush with water for at least 15 minutes. Call physician if irritation persists. |
| Inhalation: | Avoid casual breathing. Remove to fresh air. |
| Ingestion: | Do not try to vomit. Rinse mouth and consult a physician immediately. Never-give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing. |
| Skin contact: | Remove contaminated clothing. Wash with soap and plenty of water. |

Section 5: Fire and Explosive

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| Flash point: | 42°C |
| Exposure hazard: | Flammable liquid. Will ignite if moderately heated. |
| Suitable extinguishing media: | CO ₂ , foam and dry chemicals. DO NOT use direct water jet on burning material |
| Specific methods of fire fighting: | None |
| Special equipment for the protection of fire fighters: | No |

Section 6: Accidental Release Measures

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| Spillage: | Absorb spills, cover with an inert, non-combustible, inorganic absorbent materials, and remove to an approved disposal container. |
| Personal precautions: | Avoid all contact with eyes and mucous |
| Environmental precautions: | Don't throw it in sewer not in natural environment |
| Methods for cleaning up: | Recover in a tight container Wash with plenty of water after complete elimination of product |

Section 7: Handling and Storage

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| Handling: | Avoid contact with eyes and mucous |
| Storage: | Store in cool, dry and well ventilated area protected in tightly closed container away from sources of ignition, heat, and sunlight. Keep air contact to minimum. |

Section 8: Exposure Controls/Personal Protection Engineering

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| Respiratory Protection: | Assure a good ventilation of work place |
| Hand Protection: | Plastic or synthetic rubber impermeable gloves |
| Eye Protection: | Goggles giving complete protection to eyes. Eyewash bottle with clean water. |
| Skin and Body Protection: | Clothes for chemical protection to avoid contact |
| Ingestion: | Do not eat, drink and smoke while using |
| Industrial Hygiene: | Provide an extraction or global ventilation of the work place to reduce concentrations of the steams |

Section 9: Physical and Chemical Properties

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| Appearance: | Reddish brown liquid |
| Odor: | Characteristic somewhat eucalyptus-like odor |
| Solubility: | Soluble in alcohol and oils. Insoluble in water. |
| Specific Gravity: | 0.870 – 0.925 at 20°C |
| Refractive Index: | 1.460 – 1.470 at 20°C |
| Optical Rotation: | +10 - +30 at 20°C |
| Limonene: | 6 – 12% |
| Myrtenyl Acetate: | 12 – 18% |
| α – Pinene: | 40 – 57% |
| 1, 8 – Cineole: | 15 – 25% |

Extraction Method: Steam distillation of the leaves and twigs

Contents: myrtenol, myrtenyl acetate, limonene, linalool, pinene, cineol, *p*-cymene geraniol, nerol, methyl eugenol, terpinenol, linalyl acetate, carvacrol

Flash Point: closed cup, 45°C / 113°F

Vapor Pressure: ~2.2 mm Hg 20°C

Section 10: Stability and Reactivity

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| Possibility of Hazardous Reaction: | None in normal conditions |
| Reactivity: | Stable |
| Conditions to Avoid: | Excessive heat |
| Incompatible Materials: | Strongly oxidizing and reducing agents |
| Hazardous Decomposition Products: | None in normal conditions |
| Others: | None |

Section 11: Toxicological Information

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| Ingestion: | Acute toxicity, oral DL50 (mg/Kg): 4000 |
| Skin contact: | Liquid may irritate skin in some individuals |
| Eye contact: | Liquid may irritate eyes in some individuals |
| Inhalation: | No specific hazard in normal use |
| Aspiration: | Aspiration hazard |

Section 12: Ecological Information

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| Toxicity: | See section 3 |
| Persistence/Degradability: | No information available |
| Bioaccumulation Potential: | No information available |
| WGK: | 2 |

Section 13: Disposal Considerations

To comply with the regulations and prefectural orders in use. Throwing out forbidden. Packaging must be well emptied.

Section 14: Transport Information

RID / ADR

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| Class: | 3 |
| Subsidiary risk: | |
| UN Number: | UN 1169 |
| Packing Group: | III |
| Tunnel Code: | (D/E) |

IMCO / IMDG

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|------------------|----------|
| Class: | 3 |
| Subsidiary risk: | |
| UN Number: | UN 1169 |
| Packing Group: | III |
| EmFS: | F-E, S-D |

OACI / IATA

| | |
|------------------|---------|
| Class: | 3 |
| Subsidiary risk: | |
| UN Number: | UN 1169 |

Packing Group: III
Traveller airplane
packing instruction: 355
Traveller airplane
maximum quantity: 60 L
Cargo airplane
packing instruction: 366
Traveller airplane
maximum quantity: 220 L

Labeling according to RID / ADR, IMCO / IMDG, OACI / IATA

Shipping Name: UN 1169 Extracts, Aromatic, Liquid



ENVIRONMENTALLY HAZARDOUS

Section 15: Other Regulatory Information

LABELING ACCORDING TO GHS REGULATION:

Physical Hazard: FL 3
Health Hazard: AH 1, ATO 5, CAR 2, MUT 2, SCI 2, SS 1
Environmental Hazard: EH-A 2, EH-C 2



Words of warning particular risks: Danger

Particular risks:

- H226 Flammable liquid and vapour
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- H341 Suspected of causing genetic defects
- H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects

Precautionary Statement
Prevention:

- P261 Avoid breathing dust, fume, gas, mist, vapours, spray
- P273 Avoid release to the environment
- P280 Wear protective gloves, protective clothing, eye protection, face protection
- P281 Use personal protective equipment as required

Precautionary Statement
Response:

- P301+P310 IF SWALLOWED: immediately call a POISON CENTER or doctor/physician
- P302+P352 IF ON SKIN: wash with plenty of soap and water

OTHER CLASSIFICATIONS:
Dot Classification: -
NFPA Classification:



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.
