



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

Material Safety Data Sheet Petitgrain Oil

Section 1: Product and Company Identification

Product Name: *Petitgrain*

Botanical Name: *Citrus aurantium*

INCI Name: Citrus aurantium amara leaf/twig oil

CAS#: 68916-04-1/ 72968-50-4

EC#: 277-143-2

Synonym:

Chemical Identification: Oils, petitgrain

Catalog Codes: Petitgrain oil

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: Petitgrain oil is an essential oil derived from the leaf of *Citrus aurantium*.

Name: Petitgrain Oil

CAS #: 68916-04-1/ 72968-50-4

% by Weight: 100%

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects:

Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Developmental Toxicity: Not available.

Note: Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion

Data Flammability of the Product: May be combustible at moderate temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Closed cup 75°C

Flammable Limits: Not available.

Products of Combustion: Combustible liquid.

Fire Hazards in Presence of Various Substances: Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks.

Explosion Hazards in
Presence of Various Substances:

Risks of explosion of the
product in presence of
mechanical impact: Not available.

Risks of explosion of the
product in presence of
static discharge: Not available.

Fire Fighting Media and Instructions

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray fog or foam, CO₂, dry chemical.
DO NOT use direct water jet on burning material.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Spillage: Absorb with an inert material and put the spilled material in an approved waste disposal container.

Section 7: Handling and Storage

Precautions: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/vapor/spray. Keep away from incompatibles such as oxidizing agents.

Storage: Light Sensitive. Store in light-sensitive containers. Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 21.°C (70°F).

Environment: Keep away from drains, surface and ground water.

Section 8: Exposure Controls/Personal Protection Engineering

Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection: Safety glasses. Lab coat.

Personal Protection
in Case of a Large Spill: Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

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| Physical state and appearance: | Yellow clear liquid. |
| Odor, taste: | Characteristic floral, fresh citrus odor. |
| Molecular Weight: | Not available. |
| Color: | Yellow |
| pH (1% soln/water): | Not applicable. |
| Flash Point: | 75°C |
| Melting Point: | Not available. |
| Critical Temperature: | Not available. |
| Specific Gravity: | 0.884 – 0.892 @ 20°C |
| Vapor Pressure: | Not available. |
| Vapor Density: | Not available. |
| Volatility: | Not available. |
| Odor Threshold: | Not available. |
| Water/Oil Dist. Coeff.: | Soluble in alcohol and oils. Insoluble in water. |
| Ionicity (in Water): | Not available. |
| Dispersion Properties: | Not available. |
| Solubility: | Soluble in alcohol and carrier oils . Insoluble in cold water, hot water. |

Section 10: Stability and Reactivity

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| Data Stability: | The product is stable. |
| Instability Temperature: | Not available. |
| Conditions of Instability: | Excess heat, light, air, incompatible materials |
| Incompatibility with various substances: | Reactive with oxidizing agents. |
| Corrosivity: | Not available. |
| Special Remarks on Reactivity: | Easily oxidized by air. Light Sensitive. |
| Special Remarks on Corrosivity: | Not available. |
| Polymerization: | Will not occur. |

Section 11: Toxicological Information

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| Routes of Entry: | Absorbed through skin. Eye contact. |
| Toxicity to Animals: | Oral LD50: 5g/k (rat) Dermal LD50: >5g/kg (rabbit) |
| Chronic Effects on Humans: | Not available. |
| Other Toxic Effects on Humans: | Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation. |

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects:

Skin: May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Ingestion of large amounts may cause digestive tract irritation.

Inhalation: Breathing high concentrations of vapor may cause an esthetic effects. Vapor may be irritating to respiratory tract.

Chronic Potential Health Effects:

Skin: Repeated contact may cause allergic dermatitis. This product is a natural product for which no health hazard data exist.

Section 12: Ecological Information

Eco-toxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, provincial or state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC): This product is not classified according to the EU regulations.
Federal and State Regulations (U.S.A.): TSCA 8(b) inventory: Petitgrain Oil
Other Regulations: Not available.
Other Classifications:
HMIS (U.S.A.):
 Health Hazard: 1
 Fire Hazard: 1
 Reactivity: 0
 Personal Protection: a
National Fire Protection Association (U.S.A.):
 Health: 1
 Flammability: 1
 Reactivity: 0
Specific hazard:
 Protective Equipment: Lab coat, Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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