



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

Material Safety Data Sheet Rosemary oil

Section 1: Chemical Product and Company Identification

Product Name: Rosemary oil

INCI name: *Romarinus officinalis*, Flowering Plant oil

CAS#: 8000-25-7

EINECS/ELINCS# 84604-14-8, 283-291-9

Chemical Formula: Not available.

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: obtained by steam distillation from the fresh overground parts of the flowering plant of *Rosemarinus officinalis* L. (Fam. Labiatae)

Name CAS # % by Weight

Rosemary oil

Toxicological Data on Ingredients:

Section 3: Hazards Identification

Hazard description: Flammable



Classification system:

HMIS rating (scale 0-4)

Health 2

Fire 3

Reactivity 0

Potential Acute

Health Effects: Hazardous in case of eye contact (irritant). Slightly hazardous in case of skin 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.

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.

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

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

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as collar, tie, belt or waistband. Get medical attention if symptoms appear.

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Section 5: Fire and Explosion Data

Flammability of the Product:	Flammable
Auto-Ignition Temperature:	Not available.
Flash Points:	49°C
Flammable Limits:	Not available.
Fire Hazards in Presence of Various Substances:	Flammable in presence of open flames and sparks, of heat.
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	
Suitable extinguishing agents:	CO ₂ , sand, dry chemical powder. <u>Do not use water</u>
Special Remarks on Fire Hazards:	When heated to decomposition it emits acrid smoke and irritating fumes.
Special Remarks on Explosion Hazards:	Not available.

Section 6: Accidental Release Measures

Small Spill: appropriate	Absorb with an inert material and put the spilled material in an waste disposal.
Large Spill:	Combustible material. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Avoid contact with eyes. Wear suitable protective clothing.
If	ingested, seek medical advice immediately and show the container or the

label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

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: Splash goggles. 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

Physical state and appearance: Liquid.

Odor: Characteristic.

Molecular Weight: Not available.

Colour: Colourless

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Not available.

Flash point: 49°C

Specific Gravity: 0.894 - 0.908 @ 25 ° C; 0.8990 - 0.912 @ 20 ° C. (Water = 1)

Vapor Pressure: Not available.

Vapor Density: Not available.

Volatility: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble to insoluble in cold water. Soluble in most oils, and in alcohol. Insoluble in mineral oil.

Section 10: Stability and Reactivity Data

Stability:	The product is stable.
Conditions of Instability:	Heat, ignition sources, incompatible materials
Incompatibility with various substances:	Reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Sensitive to light.
Special Remarks on Corrosivity:	Not available.
Polymerization:	Will not occur.

Section 11: Toxicological Information

Routes of Entry:	Absorbed through skin. Eye contact.
Toxicity to Animals:	Acute ORAL (LD50): Acute: > 5 g/kg DERMAL (LD50): >5g/kg (rabbit)
Chronic Effects on Humans:	Not available.
Other Toxic Effects on Humans: of	Slightly hazardous in case of skin contact (irritant), of ingestion, inhalation.
Acute Potential Health Effects	
On the Skin:	Irritant to mucous membranes
On the Eyes:	Causes eye irritation. May cause loss of corneal epithelium, corneal infiltration, release of pigment into the anterior chamber with deposits on the back of the cornea.
Sensitization:	Sensitization possible through eye contact
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May cause gastrointestinal tract irritation. May affect behavior/central nervous system (mild stimulation followed by depression, twitching, spastic convulsions, ataxia), and respiration (slowed respiration).
Chronic Potential Health Effects	
Skin:	Prolonged or repeated skin contact may cause allergic dermatitis.
Ingestion:	Prolonged or repeated ingestion may affect the urinary system and brain.

Section 12: Ecological Information

Ecotoxicity:	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. Water hazard class 2 (self assessment):hazardous for water. Do not allow product to reach ground water, water course or sewage system.
Toxicity of the Products of Biodegradation:	Danger to drink water if even small quantity leak into the ground.
Special Remarks on the Products of Biodegradation:	Not available.

Section 13: Disposal Considerations

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Danger to drinking water if even small quantity leak into the ground.
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Section 14: Transport Information

DOT Classification:	
Hazard class:	3
Identification number	UN1 169
Packing group:	III
Proper shipping name:	Extracts, Aromatic, Liquid

Section 15: Other Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Rosemary oil

Other Regulations: OSHA:

Other Classifications:

WHMIS (Canada): CLASS B-3: Flammable

Risk phrases:

R11 Flammable

R20/21/22 Harmful by inhalation and in contact with skin

R36 Irritating to eyes.

Safety phrases:

S7/9 Keep container tightly closed and in a well ventilated place.

S16 Keep away from the source of ignition-NO smoking

S25 Avoid contact with eyes

S26 In case of contact with skin, wash immediately with plenty of water.

S46 If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Protective Equipment: Lab coat.

Wear appropriate respirator when ventilation is inadequate.

Splash goggles.

Section 16: Other Information

Disclaimer:

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