



Plant's Power Inc
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Contact: 1-416-766-1254

Material Safety Data Sheet Spearmint Oil

Section 1: Product and Company Identification

Product Name: Spearmint oil

Botanical Name: *Mentha spicata*

CAS#: 8008-79-5

Synonyms: *Mentha cardiaca*, *Mentha viridis*

Contact information:

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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 *Mentha-spicata* L. (Fam. Labiatae)

Name CAS # % by Weight: Spearmint oil, 8008-79-5

Toxicological Data on Ingredients: Spearmint oil: Oral (LD50): Acute: 5 g/kg [Rat].

Dermal: >5 g/kg [rabbit], 2 g/kg (guinea pig).

Section 3: Hazards Identification

Pictogram:



Label Precautionary Statements:	“May be irritating to skin and eyes”
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.
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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion:	Not available.

Section 5: Fire and Explosion Data

Flammability of the Product:	Combustible.
Auto-Ignition Temperature:	Not available.
Flash Points:	CLOSED CUP: 145.°F
Flammable Limits:	Not available.
Products of Combustion:	Not available.
Fire Hazards in Presence of Various Substances:	Flammable in presence of open flames and sparks, 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. Do not use water jet.
Special Remarks on Fire Hazards:	When heated to decomposition it emits acrid smoke and irritating fumes.
Special Remarks on Explosion Hazards:	Not available.
Special Firefighting Procedures:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6: Accidental Release Measures

Small Spill:	Absorb with an inert material and put the spilled material in an appropriate 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.
Odour: Characteristic.	Minty. Peppermint like.
Taste:	Pungent.
Flash Point:	125°C
Colour:	Pale yellowish to greenish liquid
Refractive index:	1.4840-1.4910
Specific Gravity:	0.912 – 0.916
Boiling Point:	105° at 27 mm HG
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.
Instability Temperature:	Not available.
Conditions of Instability:	Heat, ignition sources, incompatible materials
Incompatible Materials:	Strong oxidizing agents Strong reducing agents
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide
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 toxicity (LD50): 5 g/kg [Rat].
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:	May affect genetic material (mutagenic)
Special Remarks on other Toxic Effects on Humans	
Acute Potential Health Effects:	
Skin:	May cause skin irritation.
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.
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). Other symptoms may include atrial fibrillation, muscle pain, cooling sensation, burning sensation.
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.
Toxicity of the Products of Biodegradation: Not available.
Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

General Information: This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber.
Observe all federal, state and local environmental regulations.
Waste Disposal: Waste must be disposed of in accordance with federal, 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

Federal and State Regulations: Spearmint oil
Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
Other Classifications:
WHMIS (Canada): CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
DSCL (EEC): R36- Irritating to eyes.
S2- Keep out of the reach of children.
S46- If swallowed, seek medical advice immediately and show this container or label.
HMIS (U.S.A.):
Health Hazard: 1

Fire Hazard: 2

Reactivity: 0

Personal Protection: B

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

Health: 1

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment: Not applicable.

Lab coat.

Wear appropriate respirator when ventilation is inadequate.

Splash goggles.

Section 16: Other Information

Disclaimer:

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