



MATERIAL SAFETY DATA SHEET

1. Identification of Substance/Preparation & Company

PRODUCT NAME: Palo Santo Essential Oil
PRODUCT CODE: PALO
SUPPLIER: Green Valley Aromatherapy Ltd.,
505 Duncan Ave, Courtenay, BC CANADA V9N 2M6
Emergency Tel No: (250) 334-4836. Contact Person: Kelly Lees

2. Composition / Information on Ingredients

DEFINITION/BOTANICAL ORIGIN: By steam distillation of naturally fallen branches of *Bursera Graveolens*.

H-No: 3301.29.	CAS No:	Status: natural
CoE No:	FEMA:	Additives: none
FDA:	IFRA:	Application: aromatherapy; skin care, etc
RIFM:	EINECS:	
INCI name: <i>Bursera Graveolens Oil</i>	FCCIV:	
		Country of Origin: Ecuador

3. Hazards Identification

Concentrated product. Do not ingest, use good housekeeping procedures when handling.

4. First-Aid Measures

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 CO ² , 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 vapor 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 and self contained breathing equipment) 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

COLOUR: Yellow to light brown.

APPEARANCE: Clear mobile liquid

ODOUR: Fresh intense woody aroma, with a hint if Citrus.

FLASH POINT °C:

SPECIFIC GRAVITY @ 20°C: N/A

OPTICAL ROTATION @ 20°C:

REFRACTIVE INDEX @ 20°C: N/A

SOLUBILITY IN 75% ETHANOL @ 20°C:

SOLUBILITY IN VEGETABLE OILS: Soluble

SOLUBILITY IN WATER: Insoluble

Typical Analysis by GLC/GCMS:

CONSTITUENT	PERCENTAGE
Carvone	<10
Limonene	10-70
Terpineol	<20
Menthofuran	<15

10. Stability & Reactivity

REACTIVITY: Chemically stable. It presents no significant reactivity hazard. Avoid contact with sparks/flames/excessive heat and 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

INHALATION: Inhalation of high concentrations may irritate the eyes, nose, throat and result in headaches, nausea and dizziness.

SKIN CONTACT: Prolonged contact can result in redness/irritation and dermatitis.

EYE CONTACT: May irritate the eyes.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Psoriasis, dermatitis and other skin conditions.

CHRONIC TOXICITY: Allergic reactions on skin may occur.

CARCINOGENICITY DATA: N/A

REPRODUCTIVE TOXICITY: None Known

ACUTE TOXICITY VALUES: None Known

12. Ecological Information

BIODEGRADABILITY: Data not available.

PRECAUTIONS: Very toxic to aquatic organism, may cause long-term effects in aquatic environment.
Prevent surface contamination of soil, ground & surface water.

13. Disposal Considerations

Avoid disposing to drainage systems and into the environment. Consider incineration or sanitary landfill in accordance with local, provincial and federal regulations. Seek expert advice.

14. Transport Regulations

ROAD (ADR/RID): Class 3 item
AIR (IATA/ICAO): Packaging group III
SEA (IMDG): Check Authority
CHIP: See section 15

15. Regulatory Information According to Directive 88/379/EEC

HAZARDS: Fire Hazard –3. Marine Pollutant.

SYMBOLS:

RISK PHRASES: R10 Flammable; Xn R22 Harmful if swallowed; Xi R38 Irritating to skin.

SAFETY PHRASES: S36/37/38 Wear suitable clothing, gloves and eye/face protection.

16. Other Information

PACKAGING:	TYPE	SUITABILITY
	Glass	Yes
	Lacquer lined steel/tin	Yes
	Aluminums	Yes
	HPPE	No
	F/HDPE	Yes
	Other Plastic	No

SHELF LIFE

Maximum 6 years when stored within advised conditions.

Q.C REQUIREMENTS

In-line with general product specification. Always satisfy suitability for specific application.

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