



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

## **MATERIAL SAFETY DATA SHEET**

### **Clary sage oil**

#### **1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.**

Product Name: Clary Sage Oil

Botanical Name: *Salvia sclarea* L.

INCI Name: Salvia sclarea (Clary) Oil

CAS No.: 8016-63-5

FEMA: 2321

EINECS No.: 283-911-8

FDA: §182.10 & §182.20

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#### **2. COMPOSITION / INFORMATION ON INGREDIENTS.**

Definition/Botanical Origin: Volatile oil obtained by steam distillation of the flowering tops & foliage of cultivated *Salvia sclarea* L. (Fam. *Labiatae*).

Toxicology Data: None

#### **3. HAZARDS IDENTIFICATION:**

R10 Flammable

#### **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 mins. 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 mouth out with water. Seek medical advice **immediately**.
- Other: When assessing action take Risk & Safety Phrases into account (Section 15)

#### **5. FIRE FIGHTING MEASURES.**

- Recommended Extinguishing Media: Use CO<sub>2</sub>, 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 vapour 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) in case of major spillages.
- Environment precautions: Keep away from drains, soils, surface & groundwaters.
- Cleaning up methods for Spillage: Remove all potential ignition sources. Contain spilled material. Cover with an inert or non-combustible inorganic absorbent material, or sweep up and remove to an approved disposal container. Observe state, federal & local disposal regulations.

## **7. HANDLING & STORAGE.**

- Precautions in handling: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and 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 - Colourless
- Appearance: Mobile liquid
- Odour: Herbaceous, characteristic of Clary Sage
- Flash-point °C : 57
- Refractive index: 1.455 to 1.480 @ 20°C
- Specific Gravity: 0.886 to 0.910 @ 20°C
- Solubility: Soluble in vegetable oils. Insoluble in water.
- Content  
(as Linalyl acetate): 48 – 75%

## **10. STABILITY & REACTIVITY.**

- Reactivity: It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

Decomposition: Liable to cause smoke & acrid fumes during combustion:  
carbon monoxide, carbon dioxide & other non-identified organic  
compounds may be formed.

### **11. TOXICOLOGICAL INFORMATION.**

Acute oral LD<sub>50</sub>: > 5g/Kg. Non-toxic properties reported, but found moderately irritating to  
rabbit skin. See RIFM monographs (1974) *FCT 12*, (Suppl.) 865 & (1982)  
*FCT 20*, 823.

### **12. ECOLOGICAL INFORMATION.**

Biodegradability: Data not available

Precautions: Prevent surface contamination of soil, ground & surface water.

### **13. DISPOSAL CONSIDERATIONS.**

Avoid disposing to drainage systems and into the environment. Seek expert advice.

### **14. TRANSPORT REGULATIONS.**

UN 1993: Applies

Road: Class 3 item 31/c

Air (IATA): Class 3 packing group III

Sea (IMDG): Class 3 (IMDG (PAG) 9028)

CHIP: See section 15

### **15. REGULATORY INFORMATION.** According to Directive 88/379/EEC

Hazards:

Symbols:



Risk Phrases: R10 Flammable liquid

Safety Phrases: S16 Keep away from sources of ignition.

**16. OTHER INFORMATION.**

Cosmetics Directive 7<sup>th</sup> Amendment: Restrictions may apply. A source of Geraniol, Limonene and Linalool, listed as sensitizers. Check maximum usage levels for skin care products.

**PACKAGING:**

TYPE	SUITABILITY
Glass	Yes
Lacquer lined steel/tin	Yes
Aluminium	Yes
HPPE	No
F/HDPE	Yes
Other plastic	No

DECLARATION OF ALLERGENS		
Product: Clary Sage Oil		
MATERIAL	CAS NUMBER	TOTAL ALLERGEN INCLUSION LEVEL (%)
AMYL CINNAMAL	122-40-7	-
BENZYL ALCOHOL	100-51-6	-
CINNAMYL ALCOHOL	104-51-6	-
CITRAL	5392-40-5	-
EUGENOL	97-53-0	-
HYDROXYCITRONELLAL	107-75-5	-
ISO EUGENOL	97-54-1	-
AMYL CINNAMYL ALCOHOL	101-85-9	-
BENZYL SALICYLATE	118-58-1	-
CINNAMAL	104-55-2	-
COUMARIN	91-64-5	-
GERANIOL	106-24-1	2.20
HYDROXYISOHEXYL 3-CYCLOHEXENE CARBOXALDEHYDE	31906-04-4	-

<b>ANISE ALCOHOL</b>	<b>105-13-5</b>	-
<b>BENZYL CINNAMATE</b>	<b>103-41-3</b>	-
<b>FARNESOL</b>	<b>4602-84-0</b>	-
<b>BUTYLPHENYL METHYLPROPIONAL</b>	<b>80-54-6</b>	-
<b>LINALOOL</b>	<b>78-70-6</b>	<b>24.00</b>
<b>BENZYL BENZOATE</b>	<b>120-51-4</b>	-
<b>CITRONELLOL</b>	<b>106-22-9</b>	-
<b>HEXYL CINNAMAL</b>	<b>101-86-0</b>	-
<b>LIMONENE</b>	<b>5989-27-5</b>	<b>1.00</b>
<b>METHYL 2-OCTYNOATE</b>	<b>111-12-6</b>	-
<b>ALPHA-ISOMETHYL IONONE</b>	<b>127-51-5</b>	-
<b>EVERNIA PRUNASTRI EXTRACT</b>	<b>90028-68-5</b>	-
<b>EVERNIA FURFURACEA EXTRACT</b>	<b>90028-67-4</b>	-

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