Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

CLARY SAGE ESSENTIAL OIL

1. Identification of the substance/preparation and trade name

Trade name: Clary sage essential oil
   Essential oil pure and natural, obtained by steam distillation of flowering tops from the Clary Sage, Salvia sclarea L., Lamiaceae

Utilization: aromatic raw material for cosmetic and professional use

Company identification: Elemental SRL, Piata Cazarmii no.15, 410188-Oradea, Bihor-Romania,
   Tel/Fax: +40259-436.755, www.elemental.eu


2. Hazards Identification

EC Dir.: Irritating
Xi(Irritating), R38(Irritating to skin ), R43(May cause sensitisation by skin contact ), R52/53(Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment), S24(Avoid contact with skin.), S37(Wear suitable gloves.)

CLP/GHS : FL4, SCI 2, SS1, EDI2A, EH A2, C3
SGH07, H315(Causes skin irritation), H317(May cause an allergic skin reaction), H319(Causes serious eye irritation), H412(Harmful to aquatic life with long lasting effects), P262(Do not get in eyes, on skin, or on clothing), P280(Wear protective gloves/protective clothing/eye protection/face protection).

Signal word: Warning

Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes.

3. Composition / Information on ingredients

Substance: CNS, Complex natural substance (100% pure and natural), Essential Oil

INCI-name: Salvia sclarea oil

CAS-number: 8016-63-5 / 84775-83-7 EINECS-number: 283-911-8

Main constituents: linalyl acetate, linalool, neryle acetate, germacrene

Hazardous components naturally present:

Linalool N°CAS : 78-70-6 N°CE : 201-134-4 <= 15.0%
Xi R38 SGH07 H227-303-315-319-402 ATO S (2780), SCI 2, EH A3, EDI 2A, FL 4

Limonene N°CAS : 138-86-3 N°CE : 205-341-0 <= 1.0%
Xi,N R10-38-43-50/53 SGH07, SGH08, SGH09, SGH02 H304, 315, 317, 410, 226 AH 1, SCI 2, SS 1B, EH A1,C1, FL 3

Geranyl acetate N°CAS : 105-87-3 N°CE : 203-341-5 <= 2.0%
N R51/53 SGH09 H316-401-411 SCI 3, EH A2,C2

Linyl acetate N°CAS : 115-95-7 N°CE : 204-116-4 <= 75.0%
Xi R38 SGH07 H227-315-319-402 FL 4, EDI 2A, SCI 2, EH A3

4. First Aid

After excessive inhalation: Move exposed person to fresh air. Keep the person warm and at rest. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

First aid after Skin contact: Remove contaminated clothing. Rinse affected area with plenty of water. Contact a physician if symptoms persist.

First aid after Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes.
CLARY SAGE ESSENTIAL OIL

First aid after Ingestion:

Rinse mouth with water. Move exposed person to fresh air. Keep the person warm and at rest. Do not induce vomiting unless directed by medical personnel. If vomiting occurs, keep head down to prevent the passage of vomit into the lungs. Call a doctor in case of persistence or worsening of adverse health effects. If unconscious, place the person in recovery position and call a physician immediately. Ensure good air circulation.

5. Fire-fighting Measures

Suitable extinguishing media: Foam, dry chemical powder, carbon dioxide, sand or earth

Unsuitable extinguishing: Direct waterjet

Special protective equipment: Avoid vapour inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing.

Fire and explosion protection: Avoid open flames. Toxic vapours must be avoid during fire. Respiratory protection should be released during fire.

Other information: Closed containers may build up pressure when exposed to heat and should be cooled with water spray.

6. Accidental release measures:

Personal precautions: Provide adequate ventilation, avoid contact with skin and eye contact. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing). Don’t smoke. Prevent any contact with hot surfaces (see rubric 8).

Environmental precautions: Shut off source. Prevent product from entering sewerage, water courses or low lying areas. Take measures to reduce or prevent effects on ground water.

Land spill: Gather product mechanically if possible. Bind remainings of the product with sand or other appropriate absorbent and remove. Dispose of product and contaminated absorbents in suitable containers, as directed in section 13.

Water spill: Confine the spill immediately with booms. Warn other ships. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. In running waters, apply appropriate dispersants in accordance with local regulation.

Methods for cleaning up: Contain spilled material, cover with an inert, non-combustible, inorganic, absorbent material and destroy according to the regulation in force.

7. Handling and Storage

Precautions for safe handling: To avoid splashing into the eyes and mucous membranes and following the arrangement of the workplace and manipulations, wearing glasses and special clothing (gloves...) may be indicated. It is prohibit smoking in areas where they are handled. Do not heat with a naked flame or expose their vapors to a flame or other sources of ignition (eg electrical equipment). Do not abundantly breathe vapors. Large spillages should be contained with sand or inert powder.

Conditions for safe storage: Store in cool, dry and ventilated area, away from heat sources, sparks and open flames, protected from light in tightly closed original container.

8. Exposure Controls and Personal Protection
Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

CLARY SAGE ESSENTIAL OIL

Exposure limit values: Unregulated. No specific exposure limits for this product.
Respiratory protection: Avoid to breath directly on the product. Ensure a good ventilation of the workroom.
Hand protection: The wearing of chemical solvent and acid resistant gloves is necessary.
Eye protection: Avoid contact with eyes. Use eye protectors designed to protect against liquid splashes.
Physical protection: Before handling, wear safety goggles in accordance with standard EN166. Wear personal safety equipment.

9. Physical and Chemical Properties

Appearance: liquid at room temperature
Colour: pale yellow
Odour: typical
Flash point: +81°C (closed cup)
Relative density at 20°C: 0.895 to 0.909
Refractive index at 20°C: 1.455 to 1.466
Optical rotation at 20°C: -26,0° to -12,0°
Solubility(ies): insoluble in water; soluble in ethanol, miscible in vegetalbe oils
Explosive properties: no risk at room temperature
Combustion properties: does not contain substances known as susceptible to spontaneous combustion

10. Stability and Reactivity

Stability: No significant modifications, respecting the storage conditions (see section 7).
Reactivity: This product is stable at room temperature.
Temperatures above room temperature will allow the transfer from liquid to vapour phase and the formation of explosive atmosphere. Storing the product in open containers will benefit the formation of peroxides and derogate the quality.
Conditions to avoid: Do not heat to high temperature. Do not expose sealed containers in the sun. Keep away from sources of ignition.
Substances to avoid: Avoid contacts with strong acids, alkali or oxidizing agents.

11. Toxicological Information

Effect by absorption: LD oral 50 ≥ 5000 mg/kg rat
Effect by dermal contact: LD dermal 50 > 2000 mg/kg rabbit
CMR naturally present: methyl eugenol < 0.01% (CAR 2/ MUT 2), toluene <0.02% (REPRO 2)
IFRA restrictions: Clary sage essential oil is not explicitly regulated by IFRA. Some of its components are affected by the Code of Practice available on IFRA website.
Residual solvents: not applicable

12. Ecological Information

Prevent contamination of soil, ground and surfacewater. Biodegradability not determined.
13. Disposal Considerations

Dispose of or recycle waste material in accordance with local and EC environmental regulations.

14. Transport Information

UN no: Not classified as dangerous in the meaning of transport regulations.
Road (ADR/RID): not regulated
Air (IATA/ICAO): not regulated
Sea (IMDG): not regulated

15. Additional Regulatory Information

Regulations specific for the substance or mixture: not available data
Chemical safety assessment: not available data

16. Other Information

DECLARATION OF ALLERGENS
7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

<table>
<thead>
<tr>
<th>INCI Name</th>
<th>CAS No</th>
<th>Typical Contents in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(TERT-BUTYL PROPIONALDE) (Lilial)</td>
<td>80-54-6</td>
<td>0</td>
</tr>
<tr>
<td>3-METHYL-4-(2,6,6 TRIMETHYL-2-CYCLOHEXENE-1-YL)-3-BUTEN-2-ONE</td>
<td>127-51-5</td>
<td>0</td>
</tr>
<tr>
<td>AMYL CINNAMAL</td>
<td>122-40-7</td>
<td>0</td>
</tr>
<tr>
<td>AMYL CINNAMYL ALCOHOL</td>
<td>101-85-9</td>
<td>0</td>
</tr>
<tr>
<td>ANISYL ALCOHOL (Anise alcohol)</td>
<td>105-13-5</td>
<td>0</td>
</tr>
<tr>
<td>BENZYL ALCOHOL</td>
<td>100-51-6</td>
<td>0</td>
</tr>
<tr>
<td>BENZYL BENZOATE</td>
<td>120-51-4</td>
<td>0</td>
</tr>
<tr>
<td>BENZYL CINNAMATE</td>
<td>103-41-3</td>
<td>0</td>
</tr>
<tr>
<td>BENZYL SALICYLATE</td>
<td>118-58-1</td>
<td>0</td>
</tr>
<tr>
<td>CINNAMAL (Cinnamic Aldehyde)</td>
<td>104-55-2</td>
<td>0</td>
</tr>
<tr>
<td>CINNAMYL ALCOHOL</td>
<td>104-51-6</td>
<td>0</td>
</tr>
<tr>
<td>CITRAL</td>
<td>5392-40-5</td>
<td>0</td>
</tr>
<tr>
<td>CITRONELLOL</td>
<td>106-22-9</td>
<td>0</td>
</tr>
<tr>
<td>COUMARIN</td>
<td>91-64-5</td>
<td>0</td>
</tr>
<tr>
<td>LIMONENE</td>
<td>5989-27-5</td>
<td>&lt;=1,0</td>
</tr>
<tr>
<td>EUGENOL</td>
<td>97-53-0</td>
<td>0</td>
</tr>
<tr>
<td>FARNESOL</td>
<td>4602-84-0</td>
<td>0</td>
</tr>
<tr>
<td>GERANIOL</td>
<td>106-24-1</td>
<td>0</td>
</tr>
<tr>
<td>HEXYL CINNAMIC ALDEHYDE (Hexyl Cinnamal)</td>
<td>101-86-0</td>
<td>0</td>
</tr>
<tr>
<td>HYDROXYCITRONELLOL</td>
<td>107-75-5</td>
<td>0</td>
</tr>
<tr>
<td>HYDROXYMETHYL PENTYL CYCLOHEXENE CARBOXALDEHYDE (Lyrall)</td>
<td>31906-04-4</td>
<td>0</td>
</tr>
<tr>
<td>ISO EUGENOL</td>
<td>97-54-1</td>
<td>0</td>
</tr>
</tbody>
</table>
Material Safety Data Sheet
According to EU Regulation 1907/2006 in the current version

CLARY SAGE ESSENTIAL OIL

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINALOOL</td>
<td>78-70-6</td>
<td>&lt;= 15,0</td>
</tr>
<tr>
<td>METHYL HEPTINE CARBONATE</td>
<td>111-12-6</td>
<td>0</td>
</tr>
<tr>
<td>OAK MOSS EXTRACT (Evernia Prunastri)</td>
<td>90028-68-5</td>
<td>0</td>
</tr>
<tr>
<td>TREE MOSS EXTRACT (Evernia Furfuracea)</td>
<td>90028-67-4</td>
<td>0</td>
</tr>
</tbody>
</table>

Disclaimer
This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user’s responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.