The Essential Oil Company

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

PRODUCT NAME: PALO SANTO OIL
BOTANICAL/CHEMICAL NAME: Bursera graveolens Oil, Holy Wood Oil
MOLECULAR WEIGHT: N/A
MOLECULAR FORMULA: N/A
CLP REFERENCE NUMBER N/A
REACH REGISTRATION NUMBER N/A
REACH PREREGISTRATION NUMBER N/A
APPLICATION OF THE SUBSTANCE: Fragrance application
CAS No (TSCA) N/A
EINEC N/A
FEMA No N/A
FDA No N/A

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

The Essential Oil Company
9225 SE 7the Ave.
Portland, Oregon 97212
503-872-8772

FOR FURTHER INFORMATION, PLEASE CONTACT:

E-mail address: Robert Seidel: robert@essentialoil.com

EMERGENCY TELEPHONE NUMBER

800-729-5912
2. HAZARDS IDENTIFICATION

**Classification**
Classification of the substance / preparation
Classification according to Regulation (EC) No. 1272/2008
Classification according to Directive 67/548/EEC or 1999/45/EC

**Label elements, including precautionary statements**

**Label Elements**
Label elements according to Regulation (EC) No. 1272/2008

**Classification system:**
The classification is according to the latest editions of EU lists, and extended by company and literature data.

**Additional Information:**
See section 16 for the wordings of listed R-, S-phrases, H-statements and Hazard codes.

**Emergency Overview**

**Precautionary Statements – Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing should not be allowed in workplace
Keep away from heat/sparks/open flames/hot surfaces. –No smoking

**Precautionary Statements – Response**
Specific treatment (see section 4 on this label)
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Immediately call POISON CENTER or doctor/physician
Do not induce vomiting
In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements – Storage**
Store locked up
Store in well-ventilated place. Keep cool

**Precautionary Statements – Disposal**
Dispose of contents/container to an approved disposal plant

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Product Description:**
Essential Oil; UVCB; Substance of biological origin with variable and partially unknown composition.

**Hazard Impurities:**
Not Applicable

**Content of R65 classified products:**
No

**Dangerous components:**

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### 4. FIRST AID MEASURES

First aid measures for different exposure routes
General Advice
If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or clothing.

Eye contact
Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin contact
Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required.

Inhalation
Move to fresh air. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors or decomposition products.

Ingestion
Do not induce vomiting. Drink plenty of water. If symptoms persist, call a physician. Rinse mouth. Clean mouth with water and afterwards drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of first-aiders
Use personal protective equipment.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician
Symptoms of poisoning may occur after several hours; therefore medical observation for at least 48 hours after the accident.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use: Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol-resistant foam.

**Unsuitable Extinguishing Media**
Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from chemical**
Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes. May cause sensitization by inhalation and skin contact. Keep product and empty container away from heat and sources of ignition. Risk of ignition. Do not smoke. Do not expose to naked flame.

**Explosion Data**
- Sensitivity of Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Protective equipment and precautions for firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions**
Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharge.

**Environmental precautions**

**Environmental precautions**
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

**Methods and materials for containment and cleaning up**

**Methods for containment**
Prevent further leakage or spillage if safe to do so.
Methods for cleaning up
Cover liquid spill with sand, earth or other noncombustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Dam up. Take precautionary measures against static discharges. Ensure adequate ventilation.

Reference to other sections
Refer to section 7, 8 & 13

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in area provided with appropriate exhaust ventilation. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and open flame. No smoking. Take necessary action to avoid static discharge (which might cause ignition of organic vapors).

Conditions for safe handling

Technical measures/Storage Conditions

Incompatible products
None known based on information supplied.

8. EXPOSURE CONTROL/PERSONAL PROTECTION
### Control parameters

| Exposure guidelines | This product does not contain hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |

### Exposure controls

| Engineering measures | Showers  
| Eye wash stations  
| Ventilation systems |

### Individual protection measures, such as personal protective equipment

| Eye/Face Protection | Tightly fitting goggles. Face-shield |
| Skin and body protection | Chemical resistant apron |
| Respiratory protection | If exposure limits are exceeded for irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |
| Hygiene measures | When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work are and clothing. Remove and wash contaminated clothing before re-use. |

### Skin Protection

| Safety Gloves |

### Eye Protection

| Tight safety goggles |

### Body Protection

| Protective Clothing |
Respiratory Protection

Dust Mask

Environmental exposure controls
Prevent entry into drains, ground/surface water or sewerage system

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information On Basic Physical And Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State @20°C</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Colorless to pale yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic odor of Palo Santo wood</td>
</tr>
<tr>
<td>Odor Threshold</td>
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</tr>
<tr>
<td>pH</td>
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</tr>
<tr>
<td>Optical Rotation</td>
<td>27.3°</td>
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</tr>
<tr>
<td>Freezing Point</td>
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</tr>
<tr>
<td>Initial boiling point</td>
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<tr>
<td>Boiling point/boiling range</td>
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<tr>
<td>Flashpoint</td>
<td>177°F</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8900 – 0.9280 @20°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.4500 – 1.4870 @20°C</td>
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<tr>
<td>Evaporation Rate VALUE</td>
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<tr>
<td>Flammable Properties</td>
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</tr>
<tr>
<td>Flammability limits in Air</td>
<td>No information available</td>
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</tbody>
</table>
Explosive Properties  No information available
Oxidizing Properties  No information available
Vapor Pressure @20°C  No information available
Vapor Density  No information available
Water Solubility  Insoluble in water
Solubility  Soluble in Alcohol
Partition coefficient:  No information available
Autoignition temperature  No information available
 Decomposition Temperature °C  No information available
Viscosity, dynamic  No information available
Molecular Weight  No information available
VOC Content  No information available

10. STABILITY AND REACTIVITY

Reactivity
Not reactive, stable at room temperature

Chemical stability
Stable under recommended storage conditions

Possibility of hazardous reactions
Reactions with strong oxidizers

Conditions to avoid
Heat, flames and sparks

Incompatible materials
Avoid strong acids strong bases and all oxidizing agents

Hazardous decomposition products
No dangerous decomposition products expected by intended use

11. TOXICOLOGICAL INFORMATION
Information on likely routes of exposure

Product information
Product does not present an acute toxicity hazard based on known information

Inhalation
There is no data available for this product

Eye contact
There is no data available for this product

Skin contact
There is no data available for this product

Ingestion
There is no data available for this product

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LG50 inhalation</th>
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<tbody>
<tr>
<td>Palo Santo Oil</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization
No information available

Mutagenic effects
No information available

Carcinogenicity
No information available

Reproductive Toxicity
No information available

Specific target organ systemic toxicity (single exposure)
No information available

Specific target organ systemic toxicity (repeated exposure)
No information available

Chronic toxicity
Repeated exposure may cause allergic reactions in very susceptible persons. Avoid repeated exposure

Aspiration hazard
No information available
CMR Effects

Carcinogen  No information available
Mutagen  No information available
Reprotoxic  No information available

Exposure Limits

Note: There is a blanket recommendation of 10 mg/m3 for inspirable dusts or mists when limits have not otherwise been established

12. ECOLOGICAL INFORMATION

This product contains a chemical which is listed as a marine pollutant according to DOT

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
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</thead>
<tbody>
<tr>
<td>Palo Santo Oil</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
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</tbody>
</table>

Persistence and degradability

No information available

Bioaccumulation

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

Waste disposal methods  Dispose of in accordance with local regulations
Contaminated packaging
Do not re-use empty containers

Recommendations:
Empty contaminated packing thoroughly as they may be recycled.

Moistened solids to be disposed of adhering to necessary technical regulations after consulting concerned authorities

14. TRANSPORTATION INFORMATION

DOT
BULK PACKAGING
Marine Pollutant not regulated

DOT
NON BULK PACKAGING
Marine Pollutant not regulated

IMDG/IMO
UN Number not regulated
Proper shipping name not regulated
Hazard Classification not regulated
Packaging Group not regulated
Marine Pollutant Yes

MEX
UN Number not regulated
Proper shipping name not regulated
Hazard Classification not regulated
Packaging Group not regulated

ICAO
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<tr>
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<td>Hazard Classification</td>
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<td>Packaging Group</td>
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<td>ICAO/IATA</td>
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<tr>
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<tr>
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<tr>
<td>Hazard Classification</td>
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<td>Hazard Classification</td>
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<tr>
<td>Packaging Group</td>
<td>not regulated</td>
</tr>
</tbody>
</table>
AND

UN Number       not regulated
Proper shipping name       not regulated
Hazard Classification     not regulated
Packaging Group          not regulated

ADR/IMDG/IATA Labels:

Special precautions for users:
Wear protective gloves/protective clothing/eye protection/face protection. Take off contaminated clothing and wash before re-use. Prevent entry into drains, ground/surface water or sewerage system.

15. REGULATORY INFORMATION

EU regulations
This product has been classified and marked in accordance with the EU Directives/Ordinance on Hazardous Materials.

Internal Inventories

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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<tbody>
<tr>
<td>TSCA</td>
<td>Unknown</td>
</tr>
<tr>
<td>DSL/NDSL</td>
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<tr>
<td>EINECS/ELINCS</td>
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<td>PICCS</td>
<td>Unknown</td>
</tr>
<tr>
<td>AICS</td>
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</tr>
</tbody>
</table>

Legend:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** – Canadian Domestic Substances List/Non-Domestic Substances List

**EINICS/ELINCS** – European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** – Japan Existing and New Chemical Substances

**IECSC** – China Inventory of Existing Chemical Substances

**KECL** – Korean Existing and Evaluated Chemical Substances

**PICCS** – Philippines Inventory of Chemicals and Chemical Substances

**AICS** – Australian Inventory of Chemical Substances

**Sudden Release of Pressure Hazard**  
No

**Reactive Hazard**  
No

**Clean Water ACT**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization ACT (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional or state level pertaining to releases of this material.

**California Proposition 65**

This product does not contain any Proposition 65 Chemicals

### 16. OTHER INFORMATION

**Hazards**  
Irritant, dangerous for the environment

**Symbols:**  
Xn; N

**Relevant R – and S phrases**

- **R43**  
  MAY CAUSE SENSITIZATION BY SKIN CONTACT

- **R65**  
  HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R50/53 VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT.

S2 KEEP OUT OF THE REACH OF CHILDREN

S46 IF SWALLOWED, SEEK MEDICAL ADVICE IMMEDIATELY AND SHOW THIS CONTAINER OR LABEL.

S53 AVOID EXPOSURE - OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.

S61 AVOID RELEASE TO THE ENVIRONMENT. REFER TO SPECIAL INSTRUCTIONS/SAFETY DATA SHEET.

S36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES

Relevant H-, P Statements and Hazard Codes

H317 MAY CAUSE AN ALLERGIC SKIN REACTION

H400 VERY TOXIC TO AQUATIC LIFE

H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS

P210 KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING

P233 KEEP CONTAINER TIGHTLY CLOSED

P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHT/.../EQUIPMENT

P261 AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY

P273 AVOID RELEASE TO THE ENVIRONMENT

P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
DO NOT INDUCE VOMITING

COLLECT SPILLAGE

IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR/PHYSICIAN

IF ON SKIN: WASH WITH SOAP AND WATER

IF ON SKIN (OR HAIR): REMOVE/TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/SHOWER

IF SKIN IRRITATION OR A RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

STORE LOCKED UP

DISPOSE OF CONTENTS/CONTAINER TO ...

SKIN SENSITISATION 1

ASPIRATION HAZARD CATEGORY 1

ACUTE AQUATIC TOXICITY 2

CHRONIC AQUATIC TOXICITY 3

Revision Date 9/17/15

Revision Note No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet