The Essential Oil Company

SAFETY DATA SHEET

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

1.1 PRODUCT IDENTIFIER

PRODUCT NAME: AUSTRALIAN SANDALWOOD OIL
BOTANICAL/CHEMICAL NAME: Santalum spicatum
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: Raw material: Perfumes, fragrances
CAS No (TSCA) 8024-35-9
EINEC 296-618-5
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
SC13, SS 1- H316, H317

Classification according to Directive 67/548/EEC or 1999/45/EC
Xi, R43

**Label elements, including precautionary statements**

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

Label elements according to Directive 67/548/EEC or 1999/45/EC

**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

### 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:**
<10%

**Dangerous components:**
Farnesol (CAS No 4602-84-0) Xi-R36/38-43;
Amount 2.5 to 15%
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**
May cause sensitization of susceptible persons. Treat symptomatically.
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.

**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.

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.

<table>
<thead>
<tr>
<th>Skin Protection</th>
<th>Eye Protection</th>
<th>Body Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Skin Protection" /></td>
<td><img src="image" alt="Eye Protection" /></td>
<td><img src="image" alt="Body Protection" /></td>
</tr>
</tbody>
</table>
Safety Gloves  
Tight safety goggles  
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

Physical State @20ºC  
Liquid

Appearance  
Colorless to pale yellow

Odor  
Characteristic, woody balsamic

Odor Threshold  
No information available

pH  
No information available

Optical Rotation  
-16° to +4°

Melting point/range  
No information available

Freezing Point  
No information available

Initial boiling point  
No information available

Boiling point/boiling range  
No information available

Flashpoint  
>100°C

Specific Gravity  
0.942 – 0.977 @20°C

Refractive Index  
1.500 – 1.517 @20°C

Evaporation Rate VALUE  
No information available

Flammable Properties  
No information available
<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability limits in Air</td>
<td>No information available</td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapor Pressure @20ºC</td>
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</tr>
<tr>
<td>Vapor Density</td>
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<tr>
<td>Water Solubility</td>
<td>Insoluble in water</td>
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<tr>
<td>Solubility</td>
<td>Soluble in Alcohol</td>
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<tr>
<td>Partition coefficient:</td>
<td>No information available</td>
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<tr>
<td>Autoignition temperature</td>
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<tr>
<td>Decomposition Temperature ºC</td>
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<tr>
<td>Viscosity, dynamic</td>
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<td>Molecular Weight</td>
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<tr>
<td>VOC Content</td>
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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>Australian Sandalwood 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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<tbody>
<tr>
<td>Australian Sandalwood Oil</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
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</table>

Persistence and degradability
No information available

Bioaccumulation
No information available
Other adverse effects

No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

<table>
<thead>
<tr>
<th>Waste disposal methods</th>
<th>Dispose of in accordance with local regulations</th>
</tr>
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<tbody>
<tr>
<td>Contaminated packaging</td>
<td>Do not re-use empty containers</td>
</tr>
<tr>
<td>Recommendations:</td>
<td>Empty contaminated packing thoroughly as they may be recycled.</td>
</tr>
<tr>
<td></td>
<td>Moistened solids to be disposed of adhering to necessary technical regulations after consulting concerned authorities</td>
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### 14. TRANSPORTATION INFORMATION

**DOT**

**BULK PACKAGING**

<table>
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<th>Marine Pollutant</th>
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**NON BULK PACKAGING**

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**IMDG/IMO**

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<td>EXTRACTS, AROMATIC, LIQUID</td>
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<tr>
<td>Hazard Classification</td>
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<td>Packaging Group</td>
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**MEX**
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**ICAO**

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**ICAO/IATA**

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**TDG**

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**RID**

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<td>Packaging Group</td>
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### ADR/RID

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### AND

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**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**

<table>
<thead>
<tr>
<th>TSCA</th>
<th>Yes</th>
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<tbody>
<tr>
<td>DSL/NDSL</td>
<td>Yes</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Unknown</td>
</tr>
<tr>
<td>ENCS</td>
<td>Unknown</td>
</tr>
<tr>
<td>IECSC</td>
<td>Unknown</td>
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</tbody>
</table>
KECL Unknown
PICCS Unknown
AICS Unknown

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.
S24  AVOID CONTACT WITH SKIN.
S36/37  WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.

Relevant H-, P Statements and Hazard Codes

H316  CAUSES MILD SKIN IRRITATION
H317  MAY CAUSE AN ALLERGIC SKIN REACTION
P261  AVOID BREATHING DUST/FUME/GAS/MIST/VAPOURS/SPRAY
P272  CONTAMINATED WORK CLOTHING SHOULD NOT BE ALLOWED OUT OF THE WORKPLACE
P280  WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P363  WASH CONTAMINATED CLOTHING BEFORE REUSE
P302+352  IF ON SKIN: WASH WITH SOAP AND WATER
P333+313  IF SKIN IRRITATION OR A RASH OCCURS: GET MEDICAL ADVICE/ATTENTION

SCI 3  SKIN MILD IRRITANT 3
SS 1  SKIN SENSITISATION 1

Revision Date 7/25/15

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