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

1.1 PRODUCT IDENTIFIER

PRODUCT NAME: LAVENDER OIL
BOTANICAL/ CHEMICAL NAME: Lavendula angustifolia
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: Fragrance/flavor application
CAS No (TSCA): 8000-28-0
EINEC 289-995-2
FEMA No 2622
FDA No 182.200

1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

The Essential Oil Company
9225 SE 7th 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
FL 4, AH 1, EDI 2A, SS 1, EH A2, EH C3

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. ? 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: <15%

Dangerous components:
LINALOOL (CAS No 78-70-6) Xi, R38; Amount: 25 –40%
LIMONENE (CAS No 7705-14-8) Xi N, R10-38-43-50/53; Amount: 0.4 –1.2%
GERANIOL (CAS No 106-24-1) Xi, R38; Amount: max. 1%
## 4. FIRST AID MEASURES

### First aid measures for different exposure routes

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Advice</strong></td>
<td>If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or clothing.</td>
</tr>
<tr>
<td><strong>Eye contact</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

### Protection of first-aiders

Use personal protective equipment.

### Most important symptoms/effects, acute and delayed

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

<table>
<thead>
<tr>
<th>Route</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingestion</strong></td>
<td>May cause sensitization of susceptible persons. Treat symptomatically.</td>
</tr>
</tbody>
</table>
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   | Yes  |

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
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.

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 area and clothing. Remove and wash contaminated clothing before re-use.

Skin Protection  Eye Protection  Body Protection

Safety Gloves  Tight safety goggles  Protective Clothing

Respiratory Protection
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 @20ºC</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance</td>
<td>Pale yellow to yellow</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Optical Rotation</td>
<td>-3 to -11</td>
</tr>
<tr>
<td>Melting point/range</td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>No information available</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>No information available</td>
</tr>
<tr>
<td>Flashpoint</td>
<td>72°C</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.8855 – 0.8960 @20°C</td>
</tr>
<tr>
<td>Refractive Index</td>
<td>1.458 – 1.468 @20°C</td>
</tr>
<tr>
<td>Evaporation Rate VALUE</td>
<td>No information available</td>
</tr>
<tr>
<td>Flammable Properties</td>
<td>No information available</td>
</tr>
<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>
</tbody>
</table>
Vapor Pressure @20ºC  No information available
Vapor Density  No information available
Water Solubility  Insoluble in water
Solubility  Alcohol - 1:1(v/v)
Partition coefficient:  No information available
Autoignition temperature  No information available
Decomposition Temperature  ºC  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>
</tr>
</thead>
<tbody>
<tr>
<td>Lavender Oil</td>
<td>4250 mg/kw bw (rat)</td>
<td>&gt;5000 mg/kg bw (rabbit)</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
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>
</tr>
</thead>
<tbody>
<tr>
<td>Lavender Oil</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

**Persistence and degradability**

No information available

**Bioaccumulation**

No information available

**Other adverse effects**

No information available

13. DISPOSAL CONSIDERATIONS

**Waste treatment**

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

### 14. TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th></th>
<th>DOT</th>
<th>IMDG/IMO</th>
<th>MEX</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONTAMINATED PACKAGING</strong></td>
<td>Do not re-use empty containers</td>
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</tr>
<tr>
<td><strong>BULK PACKAGING</strong></td>
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<tr>
<td><strong>NON BULK PACKAGING</strong></td>
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<tr>
<td><strong>IMDG/IMO</strong></td>
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<tr>
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<tr>
<td>Hazard Classification</td>
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<td><strong>Hazard Classification</strong></td>
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<td><strong>AND</strong></td>
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<td><strong>Packaging Group</strong></td>
<td>N/A</td>
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</tbody>
</table>
15. REGULATORY INFORMATION

Internal Inventories

- TSCA: Complies
- DSL/NDSL: Complies
- EINECS/ELINCS: Complies
- ENCS: Not determined
- IECSC: Complies
- KECL: Complies
- PICCS: Complies
- AICS: Complies

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

**Relevant R – and S phrases**

- **R38**: Irritating to skin
- **R65**: Harmful: May cause lung damage if swallowed
- **R20/53**: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
- **S62**: If swallowed, do not induce vomiting: Seek medical advice immediately and show this container or label

**Relevant H-, P – Statements and Hazard Codes**

- **H227**: COMBUSTIBLE LIQUID
- **H304**: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS
- **H315**: CAUSES SKIN IRRITATION
- **H401**: TOXIC TO AQUATIC LIFE
- **H412**: HARMFUL TO AQUATIC LIFE WITH LONG LASTING
- **P210**: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES – NO SMOKING
- **P264**: WASH ... THOROUGHLY AFTER HANDLING
- **P273**: AVOID RELEASE TO THE ENVIRONMENT
WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION

DO NOT INDUCE VOMITING

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

IF ON SKIN: WASH WITH SOAP AND WATER

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE/ATTENTION

STORE IN A WELL VENTILATED PLACE. KEEP COOL

DISPOSE OF CONTENTS/CONTAINER TO ...

FLAMMABLE LIQUID 4

SKIN CORROSION 2

ACUTE AQUATIC TOXICITY 2

CHRONIC AQUATIC TOXICITY

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