

**MATERIAL SAFETY DATA SHEET**  
**ORGANIC LAVANDIN (L. ABRIALIS) OIL**

# MSDS

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** ORGANIC LAVANDIN ABRIALIS ESSENTIAL OIL  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 6/1/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

## 2. COMPOSITION/INGREDIENT INFORMATION

**Composition:**  
Steam distilled essential oil of Lavandin abrial flowers 100% by weight

**Latin Name:** Lavandula hybrida BRIQUET clone abrial

**Main Constituents:** Linalyl acetate, linalool, camphor, 1-8 cineole

**Hazardous Components:**

- Linalool: CAS #: 78-70-6, R38, 26-38%
- Camphor: CAS #: 76-22-2, R20-68/22, 7-11%
- Terpinene-4-ol: CAS #: 209-235-5, R22, 0.3-1.5%
- Limonene: CAS #: 7705-14-8, R38-43, R50/53, 0.5-1.5%
- Terpenic Hydrocarbons: R65, >10%

**Toxicological Data:** LD50 Oral [Rat]: 5,001 mg/kg  
LD50 Dermal [Rabbit]: 5,001 mg/kg

**CAS #:** 8022-15-9  
**EINECS #:** 93455-96-0

## 3. HAZARDS IDENTIFICATION

**Routes of Entry:**

- Eyes
- Skin
- Ingestion
- Inhalation

**Eye Contact:** Moderate irritation may occur.

**Skin Contact:** Irritation may occur with prolonged or repeated exposure.

**Ingestion:** Hazardous in case of ingestion.

**Inhalation:** Hazardous in case of inhalation - Avoid gross inhalation of fumes.

## 4. FIRST AID MEASURES

**Eyes:** Remove lenses if applicable. Flush with plenty of water or eye

	wash solution for 15 minutes holding lids apart. Get medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing. Thoroughly wash the affected area with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Administer water or milk to dilute. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention or contact local poison control center immediately.
<b>Inhalation:</b>	Remove to fresh air. Seek medical attention if necessary.
	<b>Serious Inhalation:</b> Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	No information

#### 5. FIRE FIGHTING MEASURES

<b>Flammability:</b>	May be combustible at high temperatures
<b>Flash Point (Method Used):</b>	>74° C
<b>Flammable Limits</b>	<b>LEL:</b> Not Established <b>UEL:</b> Not Established
<b>Auto Ignition Temperature:</b>	No information
<b>Hazardous Combustion Products:</b>	CO <sub>2</sub> , CO, irritating smoke and unidentified organic compounds may be formed during combustion.
<b>Extinguishing Media:</b>	<ul style="list-style-type: none"> <li>• Dry Chemical</li> <li>• Carbon Dioxide</li> <li>• Foam</li> </ul>
	<b>Note:</b> Do not use water spray except to cool containers
<b>Special Firefighting Procedures:</b>	<ul style="list-style-type: none"> <li>• Wear positive pressure, self contained breathing apparatus.</li> <li>• Wear protective clothing to prevent contact with skin and eyes.</li> <li>• Remove containers from fire area.</li> <li>• Spray extinguishing media directly into the base of the flames.</li> <li>• Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.</li> </ul>
<b>Unusual Fire &amp; Explosion Hazards:</b>	None known

#### 6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

<b>Personal Protection:</b>	<ul style="list-style-type: none"> <li>• Chemical splash goggles should be worn.</li> <li>• If in a confined area, a certified/approved vapor respirator should be used.</li> <li>• Remove individuals if they do not have respiratory/dust protection.</li> <li>• Wear protective clothing and chemical resistant gloves.</li> </ul>
	<b>Note:</b> Suggested protective clothing might not be sufficient;

**Environmental Protection:**  
**Methods for Cleaning Up:**

- consult a specialist BEFORE handling this product  
Notify authorities if large amounts of product enters sewer.
- Remove any source of flame or sparks.
  - Ventilate area
  - Prevent liquid from entering the sewers.
  - Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.
  - Wash area with soap and water.

## 7. HANDLING AND STORAGE

### Handling

**Safe Handling:**

- Wear safety glasses and chemical resistant gloves.
- Keep away from oxidizing agents, excessive heat, light and sources of ignition.

### Storage

**Requirements for Storage Areas and Containers:**

- Store in a cool, dry location, in a sealed container in a well ventilated area away from sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Controls:**

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.

### Personal Protection

**Eye:**

Chemical splash goggles or face shield should be worn.

**Skin/Body:**

Lab coats, boots and chemical resistant gloves should be worn.

**Respiratory:**

Use adequate ventilation or NIOSH-approved respiratory devices if vapor concentration is high due to heat.

**Ventilation:**

Handle in well ventilated areas. Ventilation meeting ACGIH Standards should be employed.

**Other:**

Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

**Work/Hygiene Practice:**

Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Clear, yellow
<b>Odor:</b>	Characteristic of lavender
<b>Density:</b>	0.8870 to 0.8970
<b>Viscosity:</b>	< 100 cPois
<b>Flash Point:</b>	>74 °C
<b>Boiling Point:</b>	Not determined
<b>Melting Point:</b>	N/A
<b>Solubility in Water:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions of use
<b>Conditions to Avoid:</b>	Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.
<b>Incompatibility (Materials to Avoid):</b>	Strong oxidizing agents.
<b>Hazardous Decomposition or Byproducts:</b>	CO <sub>2</sub> , CO, irritating smoke and unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur
<b>Shelf Life:</b>	5 Years

## 11. TOXICOLOGICAL INFORMATION

<b>Routes of Entry:</b>	Eye contact, skin contact, ingestion, inhalation
<b>Threshold Limit Value (ACGIH TLV):</b>	None established
<b>Threshold Limit Value (OSHA PEL):</b>	None established
<b>Carcinogenicity:</b>	NTP Monograph: None established IARC Monograph: None established
<b>Acute Toxicity Data:</b>	<b>Oral LD50:</b> Acute: 5001 mg/kg [Rat] <b>Dermal LD50:</b> Acute: 5001 mg/kg [Rabbit] <b>Inhalation LC50:</b> None established
<b>Health Hazards (Acute and Chronic):</b>	Ingestion of large quantities: Hazardous Inhalation: Hazardous Skin Contact: Liquid may be irritating Eye Contact: Liquid may be irritating
<b>Other Effects:</b>	None established

## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	Very volatile and low viscosity matter with slow movement in the soil.
<b>Aquatic Toxicity:</b>	Due to the presence of limonene: R52/53: Harmful to aquatic organisms, may cause long term effects in the aquatic environment.
<b>Bioaccumulation Potential:</b>	High lipophilic, making this product potentially bioaccumulable $\log K_{ow} \geq 3$

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Do not put into sewer lines. Dispose of according to local, state and federal regulations.
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## 14. TRANSPORT INFORMATION

<b>Transport Classification:</b> (according to international regulations)	Land: Not regulated Sea: Not regulated Air: Not regulated ONU #: Not regulated
<b>DOT Classification:</b>	Not regulated

## 15. REGULATORY INFORMATION

<b>Federal and State Regulations:</b>	TSCA 8(b) inventory: <b>Lavandin oil - Abrial</b>
<b>Other Regulations:</b>	Not available
<b>WHMIS (Canada):</b>	Not controlled under WHMIS (Canada)

**DSCL (EEC):** R38 – Irritating to eyes and skin.  
R52/53 – Harmful to aquatic organisms, may cause long term harmful effects to the aquatic environment.  
R65 – May cause lung damage if swallowed  
S62 – If swallowed, do not induce vomiting: seek medical attention immediately.

**HMIS (U.S.A.):** Health: 2 Fire: 1 Reactivity: 0  
**National Fire Protection Association (U.S.A.):** Health: 2 Flammability: 1 Reactivity: 0  
**Protective Equipment:** Gloves, Lab Coat, Vapor Respirator, Splash Goggles

**16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.

The complete range of conditions or methods of use are beyond our control therefore we do not assume any responsibility and expressly disclaim any liability for any use of this product. Information contained herein is believed to be true and accurate however, all statements or suggestions are made without warranty, expressed or implied, regarding accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers.