



**MATERIAL SAFETY DATA SHEET**  
**LEMONGRASS ESSENTIAL OIL**

# MSDS

## 1. PRODUCT NAME AND COMPANY IDENTIFICATION

**Product Name:** LEMONGRASS ESSENTIAL OIL  
**Product Use:** Personal Care Formulations  
**Company Name:** Natural Sourcing  
**Company Address:** 341 Christian Street, Oxford, CT 06478, USA  
**Date Issued:** 5/25/2008  
**Emergency Telephone Number:** Chemtrec Tel: (800) 262-8200

## 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**  
Steam Distilled Lemongrass Oil 100%  
**Hazardous Components:** Essential oil and derivatives  
**CAS #:** 8007-02-1  
**EINECS #:** 295-161-9  
**FEMA #:** 2509 and/or 2624

## 3. HAZARDS IDENTIFICATION

**Routes of Entry**  
**Eye Contact:** Irritation will occur with possible damage  
**Skin Contact:** May cause irritation upon prolonged exposure  
**Inhalation:** Inhalation may cause irritation  
**Ingestion:** Harmful if swallowed

## 4. FIRST AID MEASURES

**Eyes:** Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.  
**Skin:** Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.  
**Ingestion:** Administer water or milk to dilute. Seek medical attention immediately or call a poison control center.  
**Inhalation:** Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

## 5. FIRE FIGHTING MEASURES

**Flash Point (Method Used):** 46°C Close Cup  
**Extinguishing Media:** Dry Chemical, Carbon Dioxide, Foam  
**Unsuitable Media:** Water (except to cool containers)  
**Special Firefighting Procedures:** Fire fighters should wear positive pressure self-contained

breathing apparatus. Toxic vapors may be released. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.

**Unusual Fire & Explosion Hazards:** Not established

**Hazardous Decomposition Materials:** None

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

**Personal Protection:** Avoid ingestion  
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.  
Wear eye protection, gloves and aprons. Ventilate area well.

**Methods for Cleaning Up:** Eliminate all sources of ignition  
Ventilate area  
Prevent liquid from entering sewers  
Small spills can be wiped up with paper rags (place in closed metal waste container)  
Large spills can be absorbed onto non-flammable absorbent.  
Wash area with soap and water.

## 7. HANDLING AND STORAGE

### Handling

**Safe Handling:** Avoid ingestion  
Follow good industrial practice as to housekeeping, personal hygiene and avoidance of prolonged or repeated contact with the skin or eyes.  
Wear eye protection, gloves and aprons. Ventilate area well.

### Storage

**Requirements for Storage Areas and Containers:** Store in an area that is cool, dry, and well-ventilated. Do not expose to temperatures over 35 degrees C.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Threshold Limit Value:** Not established

**OSHA Permissible Limit:** Not established

**Work Practice Controls:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

**Respiratory:** Avoid casual breathing of vapors

**Ventilation:** Local, mechanical exhaust in recommended

**Eye:** OSHA approved safety glasses

**Skin:** Wear gloves and clothing to avoid skin contact

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid, Oil
<b>Color:</b>	Clear yellow
<b>Odor:</b>	Characteristic of lemon, herbaceous
<b>Vapor Pressure (mm Hg.):</b>	Not available
<b>Flash Point:</b>	160°F -- 72°C
<b>Boiling Point:</b>	Not available
<b>Melting Point:</b>	NA
<b>Specific Gravity (H2O = 1):</b>	0.872 – 0.905
<b>Refractive Index @ 25°C:</b>	1.485-1.493
<b>Solubility in Water:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	This material is stable under normal conditions
<b>Reactivity:</b>	Material is not pyrophoric, does not react with water, Does not undergo explosive decomposition, is not an oxygen donor, material is shock stable. Will not undergo hazardous exothermic polymerization.
<b>Incompatibility (Materials to Avoid):</b>	Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
<b>Conditions to Avoid:</b>	Avoid contact with sparks, flame and heat.
<b>Hazardous Decomposition or Byproducts:</b>	CO, CO2, smoke and unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur

## 11. TOXICOLOGICAL INFORMATION

**CAUTION:** Liquid may be irritating to eyes and skin.

<b>ACGIH TLV:</b>	None established
<b>OSHA PEL:</b>	None established
<b>Carcinogenicity:</b>	NTP Monograph: None established IARC Monograph: None established
<b>Acute Toxicity Data:</b>	Oral LD50: None established Dermal LD50: 2 g/kg [Rabbit] Inhalation LC50: None established
<b>Irritancy:</b>	Tested without irritation at 4%
<b>Sensitization:</b>	Tested without sensitization at 4%
<b>Phototoxicity:</b>	No phototoxic reaction reported
<b>Health Hazards (Acute &amp; Chronic):</b>	Ingestion of large quantities: Harmful Inhalation: None established Skin Contact: Liquid may be irritating Eye Contact: Liquid may be irritating

Note: The above effects are based on evaluation of individual components, the relevancy to the mixture as a whole or to humans is unknown. Handling of this fragrance that results in inhalation of fumes, may cause severe adverse health effects.

## 12. ECOLOGICAL INFORMATION

No information

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods:** Dispose of according to local, state and federal regulations.

**14. TRANSPORT INFORMATION**

**DOT Hazard Classification:** Not a DOT controlled material (United States).

**15. REGULATORY INFORMATION**

**R-Phase:** 10-43-65

**S-Phase:** 24-37-62

**16. ADDITIONAL INFORMATION**

This information is provided for documentation purposes only.  
This product is not considered hazardous under normal conditions of use.

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.