



rainshadowlabs

Material Safety Data Sheet

1 – Product Name and Company Identification

Product Name: Lemongrass Essential Oil	Product Use: Personal Care Formulations
Company Name: RainShadow Labs	Company Address: 300 Port Ave, St. Helens, OR 97051, USA
Date Issued: 16 OCT 2014	Emergency Telephone Number: Chemtrec - (800) 262-8200

2 – Composition/Ingredient Information

Ingredients	Lemongrass Oil	100%
Hazardous Components	None	
Additives	None	
INCI	Lemongrass (Cymbopogon Schoenanthus) Oil	
CAS#	8007-02-1	
EINECS#	-	

3 – Hazards Identification

Routes of Entry	
Eye Contact	Mild irritation may occur
Skin Contact	Mild irritation may occur
Ingestion	Mild irritation may occur
Inhalation	Mild irritation may occur

4 – First Aid Measures

Eyes	Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention
Skin	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.
Serious Skin Contact	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
Ingestion	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 immediate medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Medical Conditions Generally Aggravated by Exposure	Unknown

EO12-Lemongrass Essential Oil
RainShadow Labs
300 Port Ave, St. Helens, OR 97051 USA
Ph (503) 366-3413 – Fax (503) 366-3400

5 – Fire Fighting Measures

Flash Point (Method Used)	71°C (Closed Cup)
Flammable Limits	
LEL	Not Established
UEL	Not Established
Extinguishing Media	Dry Chemical, Carbon Dioxide, Fog, Foam
Special Firefighting Procedures	Cool containers exposed to flame with water jet spray. Limit the spread of oil. Use air supplied equipment for fighting interior fires.
Unusual Fire & Explosion Hazards	None.

6 – Accidental Release Measures (Steps for Spills)

Methods for Cleaning Up	Absorb onto an inert, absorbent substrate and sweep up. Wash area with soap and water.
-------------------------	--

7 – Handling and Storage

Handling	
Safe Handling	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.
Storage	
Requirements for Storage Areas and Containers	Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

8 – Exposure Control/Personal Protection

Eye	Safety glasses should be worn.
Skin/Body	Gloves should be worn.
Respiratory	Not needed under normal conditions of use. Use adequate ventilation or NIOSH-approved respiratory devices if heating product.
Ventilation	A mechanical exhaust/ventilation or fume collection system is recommended.
Other	Evaluate need based on application. Slip proof shoes may be worn where spills may occur.
Work/Hygiene Practice	Normal work and hygiene practices for handling non-hazardous liquid material.

9 – Physical and Chemical Properties

Physical State	Liquid
Color	Orange to Brownish-red
Odor	Strong
Vapor Pressure (mm Hg)	N/A
Vapor Density (AIR = 1)	N/A
Boiling Point	N/A
Auto Ignition Temperature	>200°C
Specific Gravity (H ₂ O = 1)	0.895
Solubility in Water	Insoluble

EO12-Lemongrass Essential Oil
 RainShadow Labs
 300 Port Ave, St. Helens, OR 97051 USA
 Ph (503) 366-3413 – Fax (503) 366-3400

10 – Stability and Reactivity

Stability	Stable
Incompatibility (Materials to Avoid)	None
Conditions to Avoid	None
Hazardous Decomposition or Byproducts	N/A
Hazardous Polymerization	Will not occur

11 – Toxicological Information

Human Exposure Tests	Not Established
Threshold Limit Value	Not Established
Medical Conditions Generally Aggravated by Exposure	Very hazardous in case of ingestion, of inhalation. Hazardous in case of skin contact (irritant). Slightly hazardous in case of skin contact (permeator). The substance is toxic to lungs, mucous membranes.
Irritancy	Skin: Not expected to be an irritant
	Eyes: Not expected to be an irritant
Carcinogenicity:	None

12 – Ecological Information

Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Fish Toxicity	Not Established
Bacterial Toxicity	Not Established

13 – Disposal Considerations

Waste Disposal Methods	Do not put into sewer lines. Dispose of according to local, state and federal regulations
------------------------	---

14 – Transportation Information

DOT Classification	Not a DOT controlled material (USA) Not classified as a dangerous substance Not classified under IMDG or ADR regulations
Class/Division	Not Restricted

15 – Regulatory Information

Federal and State Regulations: TSCA 8(b) inventory: Lemongrass oil Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). Other Classifications: WHMIS (Canada): CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). DSCL (EEC): R38- Irritating to skin. R41- Risk of serious damage to eyes. HMIS (U.S.A.): Health Hazard: 2 Fire Hazard: 2 Reactivity: 0 Personal Protection: h National Fire Protection Association (U.S.A.): Health: 2 Flammability: 2

EO12-Lemongrass Essential Oil
RainShadow Labs
300 Port Ave, St. Helens, OR 97051 USA
Ph (503) 366-3413 – Fax (503) 366-3400

Reactivity: 0
Specific hazard:
Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16 – Additional Information

This information is provided for documentation purposes only.
This product is not considered hazardous.
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.

EO12-Lemongrass Essential Oil
RainShadow Labs
300 Port Ave, St. Helens, OR 97051 USA
Ph (503) 366-3413 – Fax (503) 366-3400