



# LIBERTY NATURAL PRODUCTS, INC.


*The Source for the Finest  
Pure and Natural Botanical Oils and Extracts*

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## Section 1. Product and Company Identification

<b>Product Name:</b>	Palmarosa
<b>Product Code:</b>	4527
<b>Description:</b>	Essential Oil of Palmarosa
<b>Product Use:</b>	Industrial
<b>Manufacturer:</b>	Liberty Natural Products, 20949 S Harris Rd, Oregon City, OR 97045 (800) 289-8427
<b>Emergency Phone:</b>	Liberty Natural Products: (800) 289-8427

## Section 2. Hazards Identification

<b>Category:</b>	H227 Combustible liquid.
<b>Signal Word:</b>	Danger
<b>Ingestion:</b>	H305 May be harmful if swallowed and enters airways.
<b>Health Risks:</b>	N/A
<b>Eye Contact:</b>	H320 Causes eye irritation.
<b>Skin Contact:</b>	H315 Causes skin irritation.
<b>Environmental:</b>	N/A
<b>Pictograms:</b>	

### PRECAUTIONARY STATEMENT:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + 312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P303 + 361 + 353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P330 Rinse mouth.

P370 + 378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P403 + 235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container to an approved waste disposal plant.

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### Section 3. Composition and Information on Ingredients

<b>Chemical Name:</b>	<i>Cymbopogon martinii</i>
<b>Physical State:</b>	Liquid.
<b>CAS #:</b>	8014-19-5
<b>Impurities:</b>	None.
<b>Trade Secret Claim:</b>	None.

### Section 4. First Aid Measures

<b>Eyes:</b>	Flush with water for at least 15 minutes. Call physician if irritation persists.
<b>Skin Contact:</b>	Remove contaminated clothing. Wash with soap and plenty of water.
<b>Inhalation:</b>	Remove to fresh air. Avoid breathing vapors.
<b>Ingestion in excess:</b>	Rinse mouth and consult a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly-losing consciousness, or is convulsing.
<b>Emergency Care:</b>	Contact local emergency provider. For non-emergency, contact primary care provider.
<b>PPE:</b>	Gloves, lab coat or uniform, safety glasses, eyewash, safety shower.

### Section 5. Fire-Fighting Measures

<b>Flammability:</b>	Flammable.
<b>Extinguishing Media:</b>	SUITABLE: CO <sub>2</sub> , dry chemical, or alcohol resistant foam NON SUITABLE: Water.
<b>Special Fire-Fighting Procedure:</b>	Avoid vapor inhalation. Keep away from sources of ignition. Do not smoke. Wear positive pressure self-contained breathing apparatus & protective clothing. Close containers may build up pressure when exposed to heat and should be cooled with water spray.
<b>Unusual Fire and Explosion Hazards:</b>	Vapor may travel to source of ignition and flash back. Vapor may settle low or in confined spaces. May produce a floating fire hazard. Static ignition hazard can result from handling and use. Essential and vegetable oils have the potential to self-heat and contribute to spontaneous combustion when present on fabrics. Caution should be exercised in the storage and launder of fabrics exposed to oils.
<b>PPE and Precautions for Firefighters:</b>	Static charges generated by emptying package in or near flammable vapor may cause flash fire. Use water spray to cool unopened containers.

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## Section 6. Accidental Release Measures

<b>Personal Precautions:</b>	Wear protective equipment including a self-contained breathing apparatus. Keep unprotected persons away. Keep away from ignition sources.
<b>Environmental Precautions:</b>	Keep away from drains, surface and ground water. Report spills to appropriate authorities if required.
<b>Containment:</b>	Absorb with clay, sand, or other non-combustible material. Prevent entry into waterways, sewers, and confined areas.
<b>Clean Up:</b>	Disposal must be made according to official regulations. Wipe up small spills with cloth. Clean affected area with hot water and detergent.

## Section 7. Handling and Storage

<b>Handling Precautions:</b>	Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke while handling. Avoid static discharges.
<b>Storage Precautions:</b>	Store in tightly closed original container, in a cool, dry & ventilated area away from heat sources & protected from light. Keep air contact to a minimum.
<b>Other:</b>	See Section 8

## Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	Exhaust ventilation or other engineering controls to keep vapor concentration below their respective threshold limit value. Ensure eyewash stations and safety showers are proximal to the work station. Use explosion-proof ventilation equipment to stay below exposure limits.
<b>Respiratory Protection:</b>	Avoid breathing product vapor. Apply local ventilation where possible.
<b>Hand Protection:</b>	Avoid all skin contact. Use chemically resistant gloves if required.
<b>Eye Protection:</b>	Goggles giving complete protection to eyes. Eyewash bottle with clean water.
<b>Skin and Body Protection:</b>	Clothes for chemical protection to avoid contact. Use of an impervious apron is recommended. Wear appropriate thermal protective clothing, when necessary
<b>Ingestion:</b>	Do not eat, drink and smoke while using
<b>Industrial Hygiene:</b>	When using, do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
<b>OSHA Permissible Exposure Limits (PELs):</b>	N/A

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ACGIH Threshold Limit Values:

N/A

### Section 9. Physical and Chemical Properties

Appearance:	Yellow to light brown liquid
Upper/Lower Flammability:	N/A
Odor:	Characteristic rose-like
Vapor Pressure:	N/A
Odor Threshold:	N/A
Vapor Density:	N/A
pH:	N/A
Relative Density:	N/A
Melting Point:	N/A
Freezing Point:	N/A
Solubility:	Insoluble
Initial Boiling Point and Boiling Range:	N/A
Flash Point:	199°F / 93°C
Evaporation Rate:	N/A
Flammability Category:	N/A
Partition Coefficient:	N/A
Auto-ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A
Specific Gravity:	0.889 - 0.892 at 20°C

### Section 10. Stability and Reactivity

Stability:	Stable under normal circumstances. It presents no significant reactivity hazards, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.
Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility:	Strong oxidizing agents.
Hazardous Byproducts:	Produces smoke and acrid fumes during combustion: carbon monoxide, carbon dioxide & other non-identified organic compounds may be formed.
Other:	No hazardous decomposition products if stored and handled as indicated.

### Section 11. Toxicological Information

Toxicological and Health Effects:	Nontoxic at established levels.
Likely Routes of Exposure:	Eyes, nose, mouth, skin.
Signs and Symptoms of Exposure:	Skin irritation. May cause redness and pain. May cause an allergic skin reaction, dermatitis or rash.
LD50 (median lethal dose):	N/A

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Listed NTP Carcinogen: N/A  
INGESTION: Can be noxious

### Section 12. Ecological Information

TOXICITY: Harmful to aquatic life with long lasting effects.  
PERSISTENCE / DEGRADABILITY: No data is available on the degradability of this product.  
BIOACCUMULATION POTENTIAL: No information available.  
RESULTS OF PBT AND vPvB ASSESSMENT: No information available.  
MOBILITY IN SOIL: No information available.  
OTHER ADVERSE EFFECTS: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, disruption, global warming potential) are expected from this component.

### Section 13. Disposal Considerations

Disposal Containers: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.  
Waste Disposal: Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.  
Special Considerations: Dispose of spill containment material in accordance with Federal, State, and local laws.

### Section 14. Transport Information

UN Number: N/A  
UN Shipping Name: N/A  
Transport Hazard Class: N/A  
Packing Group Number: N/A  
Stowage and Handling: N/A

### Section 15. Regulatory Information

Product Regulations: N/A

### Section 16. Other Information

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*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.*

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