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# LIBERTY NATURAL PRODUCTS, INC.

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

## Section 1. Product and Company Identification

<b>Product Name:</b>	Zinziba
<b>Product Code:</b>	1855
<b>Description:</b>	Essential Oil of Zinziba
<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>	H226 Flammable liquid and vapor.
<b>Signal Word:</b>	Warning
<b>Ingestion:</b>	H302 Harmful if swallowed.
<b>Health Risks:</b>	N/A
<b>Eye Contact:</b>	H320 Causes eye irritation.
<b>Skin Contact:</b>	H315 Causes skin irritation. H317 May cause an allergic skin reaction.
<b>Environmental:</b>	H411 Toxic to aquatic life with long lasting effects.

### Pictograms:



### PRECAUTIONARY STATEMENT:

- P210 Keep away from heat, sparks, open flames or hot surfaces. – No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical, ventilating, lighting, communication, equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P261 Avoid breathing dust, fume, gas, mist, vapors, spray.
- P264 Wash parts in contact thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P273 Avoid release to the environment.
- P280 Wear protective gloves, protective clothing, eye protection, face protection.
- P301 + 310 IF SWALLOWED: Immediately call a poison center or doctor/physician.
- P331 Do not induce vomiting.
- P391 Collect spillage.

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### Section 3. Composition and Information on Ingredients

<b>Chemical Name:</b>	<i>Lippia javanica</i>
<b>Physical State:</b>	Liquid.
<b>CAS #:</b>	8024-12-1
<b>Impurities:</b>	None.
<b>Trade Secret Claim:</b>	None.

### Section 4. First Aid Measures

<b>Eyes:</b>	Rinse the eyes immediately with plenty of water for at least 10 minutes. If any sign of tissue damage or persistent irritation is apparent, obtain medical advice.
<b>Skin Contact:</b>	Remove contaminated clothing, wash before reuse. Wash off skin immediately with plenty of water, using soap if available. If any sign of tissue damage or persistent irritation is apparent obtain medical advice immediately.
<b>Inhalation:</b>	In case of excessive inhalation remove the person to fresh air and keep at rest in a comfortable position. Obtain medical advice immediately.
<b>Ingestion in excess:</b>	The substance may cause lung damage if swallowed – do not induce vomiting – seek medical advice immediately.
<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> , sand, extinguishing powder NON SUITABLE: Water.
<b>Special Fire-Fighting Procedure:</b>	None
<b>Unusual Fire and Explosion Hazards:</b>	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>	Firemen must wear self-contained breathing apparatus. Carbon oxides and smoke are produced upon combustion.

### Section 6. Accidental Release Measures

<b>Personal Precautions:</b>	Gloves and eye protection should be worn when handling spillages. Avoid flames or other potential sources of ignition. Avoid skin/eye contact and inhalation of vapors. Good personal washing routines should be followed after
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	accidental release. Ensure adequate ventilation in working areas following accidental release.
<b>Environmental Precautions:</b>	Do not allow discharge into drains, soil or any aquatic environment.
<b>Containment:</b>	Absorb spillages on porous inert material such as earth, sand or vermiculite.
<b>Clean Up:</b>	Disposal must be made according to official regulations.

### Section 7. Handling and Storage

<b>Handling Precautions:</b>	Handle in accordance with good occupational hygiene and safety practices in a well-ventilated area. Avoid contact with skin and eyes. Depending on working conditions, this may include wearing of eye protection and protective clothing such as PVC gloves and suitable overalls. Avoid breathing vapors especially if the material is hot.
<b>Storage Precautions:</b>	Keep container closed and store in a cool and dark place, recommend below 10 °C
<b>Other:</b>	See Section 8

### Section 8. Exposure Controls/Personal Protection

<b>Engineering Controls:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday
<b>Respiratory Protection:</b>	Assure a good ventilation of work place. Where ventilation may be inadequate, wear self-contained breathing apparatus.
<b>Hand Protection:</b>	The glove material has to be impermeable.
<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.
<b>Ingestion:</b>	Do not eat, drink and smoke while using.
<b>Industrial Hygiene:</b>	Provide ventilation of the work place to reduce concentrations of the vapor and product.
<b>OSHA Permissible Exposure Limits (PELs):</b>	N/A
<b>ACGIH Threshold Limit Values:</b>	N/A

### Section 9. Physical and Chemical Properties

<b>Appearance:</b>	Yellowish to golden liquid
<b>Upper/Lower Flammability:</b>	N/A
<b>Odor:</b>	Characteristic odor, grassy, sweet
<b>Vapor Pressure:</b>	N/A
<b>Odor Threshold:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>pH:</b>	N/A

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<b>Relative Density:</b>	N/A
<b>Melting Point:</b>	N/A
<b>Freezing Point:</b>	N/A
<b>Solubility:</b>	Insoluble
<b>Initial Boiling Point and Boiling Range:</b>	N/A
<b>Flash Point:</b>	212°F / 100°C
<b>Evaporation Rate:</b>	N/A
<b>Flammability Category:</b>	N/A
<b>Partition Coefficient:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Specific Gravity:</b>	0.97

### Section 10. Stability and Reactivity

<b>Stability:</b>	Stable under normal circumstances. Avoid heat and ignition sources.
<b>Avoid:</b>	Heat, flames, sparks.
<b>Incompatibility:</b>	Water, Alcohols, Strong bases, Amines, Acids, Strong oxidizing agents.
<b>Hazardous Byproducts:</b>	Carbon monoxide and carbon dioxide.
<b>Other:</b>	None

### Section 11. Toxicological Information

<b>Toxicological and Health Effects:</b>	N/A
<b>Likely Routes of Exposure:</b>	Eyes, nose, mouth, skin.
<b>Signs and Symptoms of Exposure:</b>	See Section 2. Hazards Identification.
<b>LD50 (median lethal dose):</b>	No information
<b>Listed NTP Carcinogen:</b>	No information
<b>INGESTION:</b>	No information

### Section 12. Ecological Information

<b>TOXICITY:</b>	See Section 2
<b>PERSISTENCE / DEGRADABILITY:</b>	No information available.
<b>BIOACCUMULATION POTENTIAL:</b>	No information available.
<b>RESULTS OF PBT AND vPvB ASSESSMENT:</b>	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
<b>MOBILITY IN SOIL:</b>	No information available.
<b>OTHER ADVERSE EFFECTS:</b>	Prevent contamination of soil, ground and surface water

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### Section 13. Disposal Considerations

<b>Disposal Containers:</b>	Vapors may collect in empty containers. Rinse or evaporate thoroughly.
<b>Waste Disposal:</b>	Product is biodegradable.
<b>Special Considerations:</b>	Dispose of spill containment material in accordance with Federal, State, and local laws.

### Section 14. Transport Information

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

### Section 15. Regulatory Information

<b>Product Regulations:</b>	N/A
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### Section 16. Other Information

<b>Last Revised:</b>	3/27/2024	<b>Initial of Editor:</b> SDR
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*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 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.*

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