



MATERIAL SAFETY DATA SHEET

RAVINTSARA LEAF ESSENTIAL OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: RAVINTSARA LEAF ESSENTIAL OIL
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 6/27/2008
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:

Ravintsara leaf essential oil 100%
 extracted by steam distillation

Botanical Name: Cinnamomum camphora L.

Hazardous Components:

Cineol 1,8: CAS: 470-82-6 EINECS: 207-431-5	≤ 63.00%	R10 :Flammable
Alpha Terpineol: CAS: 98-55-5 EINECS: 202-680-6	≤ 10.00%	R38: Irritating to skin Xi: Irritant
Alpha Pinene: CAS: 80-56-8 EINECS: 201-291-9	≤ 8.00%	N: Dangerous to the environment Xn: Harmful R43: May cause sensitization by skin contact R50/53: Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment R65: Harmful: may cause lung damage if swallowed
Beta Pinene: CAS: 127-91-3 EINECS: 204-872-5	≤ 5.00%	N: Dangerous to the environment Xn: Harmful R43: May cause sensitization by skin contact R50/53: Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment R65: Harmful: may cause lung damage if swallowed
Terpinene 4-ol: CAS: 562-74-3 EINECS: 209-235-5	≤ 5.00%	Xn: Harmful R22: Harmful if swallowed R38: Irritating to skin, Irritant
Gamma Terpinene: CAS: 99-85-4 EINECS: 202-794-6	≤ 4.00%	Xn: Harmful R65: Harmful: may cause lung damage if swallowed
Myrcene: CAS: 123-35-3 EINECS: 204-622-5	≤ 4.00%	Xn: Harmful R65: Harmful: may cause lung damage if swallowed
Alpha Terpinene:		N: Dangerous to the environment

5. FIRE FIGHTING MEASURES

Flash Point (Method Used):	>50°C
Extinguishing Media:	Dry Chemical, Carbon Dioxide, Foam
Special Firefighting Procedures:	<ul style="list-style-type: none">• Fire fighters should wear positive pressure self-contained breathing apparatus.• Cool containers exposed to flame with water spray.• Spray extinguishing media directly into base of fire.
Unusual Fire & Explosion Hazards:	None known
Hazardous Decomposition Materials:	CO, CO ₂ , smoke and unidentified organic compounds may be formed during combustion.

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Protection:	<ul style="list-style-type: none">• 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, boots, gloves and aprons.• Ventilate area well.• Eye wash station and safety shower recommended in area <p>Note: Suggested clothing may not be enough in case of a large spill – consult a specialist before handling this product.</p>
Methods for Cleaning Up:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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.
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Storage

Requirements for Storage Areas and Containers:	<ul style="list-style-type: none">• Store in an area that is cool, dry, and well-ventilated.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

Threshold Limit Value:	Not established
OSHA Permissible Limit:	Not established
Work Practice Controls:	<p>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:</p> <ol style="list-style-type: none">(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 chemical resistant gloves and clothing to avoid skin contact

Note: Suggested clothing may not be enough in case of a large spill – consult a specialist before handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid, Oil
Color: Clear, colorless to slight yellow/green
Odor: Characteristic of camphor
Vapor Pressure (mm Hg.): Not available
Boiling Point: Not available
Melting Point: N/A
Specific Gravity @ 20C: 0.900 -0.920
Refractive Index: 1.460-1.470
Optical Rotation: -25° to -15°
Solubility in Water: Insoluble

10. STABILITY AND REACTIVITY

Stability: This material is stable under normal conditions.
Incompatibility (Materials to Avoid): Avoid contact with strong oxidizing agents and avoid hot work and sources of ignition on or near empty containers.
Conditions to Avoid: Avoid contact with sparks, flame and heat. Avoid sunlight.
Materials to Avoid: PVC
Hazardous Decomposition or Byproducts: CO, CO₂, smoke and unidentified organic compounds may be formed during combustion.
Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

CAUTION: Liquid may be irritating to eyes, skin, mucous membranes.

Toxicity: ORAL (LD50): Not available
Chronic Effects on Humans: Not available
Other Toxic Effects on Humans: Not available
Sensitization: Not available
Irritation: Not available
Phototoxicity: Not available
Carcinogenicity: Not available
Mutagenicity: Not available
Reproductive Toxicology: Not available

12. ECOLOGICAL INFORMATION

Aquatic Environments: Very toxic to aquatic organisms; may cause long-term adverse

effects in the aquatic environment. Avoid entry of material into the aquatic environment.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Land Transport ADR/RID: Class: 3
UN: 1169
Group: III
Label: Aromatic Liquid Extracts

Sea Transport IMDG: Class: 3
UN: 1169
Group: III
Label: Aromatic Liquid Extracts (Ravintsara Essential Oil)
Water Pollutant: Yes

Air Transport ICAO-TI and IATA-DGR: Class: 3
UN: 1169
Group: III
Label: Aromatic Liquid Extracts (Ravintsara Essential Oil)

15. REGULATORY INFORMATION

No information

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.