



## MATERIAL SAFETY DATA SHEET

### AMYRIS ESSENTIAL OIL

# MSDS

#### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

<b>Product Name:</b>	<b>AMYRIS ESSENTIAL OIL</b>
<b>Product Use:</b>	Personal Care Formulations
<b>Company Name:</b>	Natural Sourcing
<b>Company Address:</b>	341 Christian Street, Oxford, CT 06478, USA
<b>Date Issued:</b>	09/22/2015
<b>Emergency Telephone Number:</b>	<b>Chemtrec Tel: (800) 262-8200</b>

#### 2. COMPOSITION/INGREDIENT INFORMATION

**Ingredients:**

Steam distilled essential oil of Amyris  
Balsamifera 100%

**Hazardous Components:** None

**CAS #:** 8015-65-4

**INCI Name:** Amyris Balsamifera Oil

#### 3. HAZARDS IDENTIFICATION

**Concentrated Product. Do Not Ingest. Observe good housekeeping measures.**

#### 4. FIRST AID MEASURES

<b>Eyes:</b>	Remove contact lenses. Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention if irritation persists.
<b>Skin:</b>	Remove contaminated clothing. Wash with soap and flush with plenty of water. Seek medical attention if irritation persists.
<b>Ingestion:</b>	Rinse mouth with water. Seek medical attention immediately or call a poison control center.
<b>Inhalation:</b>	Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

#### 5. FIRE FIGHTING MEASURES

<b>Flash Point (Method Used):</b>	> 93.33°C/200°F Closed Cup
<b>Extinguishing Media:</b>	Dry Chemical, Carbon Dioxide, Foam

**Special Firefighting Procedures:** Fire fighters should wear positive pressure self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Spray extinguishing media directly at the base of the flames. Water is unsuitable for use on burning materials, but may be used to cool containers exposed to heat.

**Unusual Fire & Explosion Hazards:** None

**Hazardous Decomposition Materials:** When heated to decomposition, produces acrid smoke and fumes

**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, chemical resistant gloves and aprons. Ventilate area well.  
 NIOSH approved respiratory device may be used.  
 Eliminate all sources of ignition  
 Ventilate area

**Methods for Cleaning Up:** 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, chemical resistant gloves and aprons. Ventilate area well.  
 NIOSH approved respiratory device may be used.

**Storage**

**Requirements for Storage Areas and Containers:** Store in an area that is cool, dry, and well-ventilated. Store away from light.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION**

**Threshold Limit Value:** Not established

**OSHA Permissible Limit:** Not established

**Engineering Controls:** Eye wash station and safety showers are recommended near the work area.

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:

**Work Practice Controls:**

- (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. NIOSH approved respiratory device may be used.

**Ventilation:**

Local, mechanical exhaust is recommended

**Eye:**

OSHA approved safety glasses

**Skin:**

Wear chemical resistant gloves and clothing to avoid skin contact

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid oil, viscous
<b>Color:</b>	Yellow to amber
<b>Odor:</b>	Characteristic of amyris, woody, balsamic
<b>Vapor Pressure (mm Hg.):</b>	Not available
<b>Flash Point:</b>	> 93.33°C/200°F Tag Closed Cup
<b>Boiling Point:</b>	Not available
<b>Melting Point:</b>	Not available
<b>Specific Gravity (@30°C):</b>	0.950-0.970
<b>Refractive Index @ 30°C:</b>	1.502-1.512
<b>Optical Rotation:</b>	+28.3°
<b>Solubility in Water:</b>	Insoluble

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	This material is stable under normal conditions
<b>Incompatibility (Materials to Avoid):</b>	Avoid contact with strong oxidizing agents, strong acids, strong bases, 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>	When heated to decomposition, produces acrid smoke and fumes
<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
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**OSHA PEL:** None established  
**Carcinogenicity:** NTP Monograph: Not Listed as Carcinogenic  
IARC Monograph: Not Listed as Carcinogenic  
Oral LD50: Not Available  
**Acute Toxicity Data:** Dermal LD50: Not Available  
Inhalation LC50: Not Available  
**Health Hazards (Acute & Chronic):** Skin Contact: Liquid may be irritating  
Eye Contact: Liquid may be irritating

## 12. ECOLOGICAL INFORMATION

**Mobility:** No Information  
**Persistence and Degradability:** No Information  
**Bioaccumulative Potential:** No Information

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT INFORMATION

**ADDR/RID:** Not regulated

**UN No:**

**Hazard ID No:**

**ADR Class:**

**Labeling:**

**IMDG/IMO:** Not regulated

**UN No:**

**Class:**

**Packaging Group:**

**Labeling:**

**IATA/ICAO:** Not regulated

**UN No:**

**Class:**

**Packaging Group:**

**Labeling:**

## 15. REGULATORY INFORMATION

<b>Hazards:</b>	N/A
<b>Symbols:</b>	N/A
<b>Risk Phrases:</b>	N/A
<b>Safety Phrases:</b>	N/A

## 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
Cosmetics Directive 7<sup>th</sup> Amendment: Not Restricted

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.