

## MATERIAL SAFETY DATA SHEET

# BERGAMOT OIL, ITALY

# MSDS

### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

<b>Product Name:</b>	<b>BERGAMOT OIL, ITALY</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>	1/1/2008
<b>Emergency Telephone Number:</b>	<b>Chemtrec Tel: (800) 262-8200</b>

### 2. COMPOSITION/INGREDIENT INFORMATION

<b>Ingredients:</b>	
Bergamot essential oil	100%
<b>Hazardous Components:</b>	Essential oil and derivatives
<b>CAS #:</b>	8007-75-8

### 3. HAZARDS IDENTIFICATION

<b>Routes of Entry</b>	
<b>Eye Contact:</b>	Irritation may occur
<b>Skin Contact:</b>	May cause irritation upon prolonged exposure
<b>Inhalation:</b>	Inhalation may cause irritation
<b>Ingestion:</b>	Not known

### 4. FIRST AID MEASURES

<b>Eyes:</b>	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>	Administer water to milk to dilute. Seek medical attention immediately.
<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>	42°C Tag Closed Cup
<b>Extinguishing Media:</b>	Dry Chemical, Carbon Dioxide, Foam
<b>Special Firefighting Procedures:</b>	Fire fighters should wear positive pressure self-contained breathing apparatus. Cool containers exposed to flame with water. Spray extinguishing media directly into base of fire.
<b>Unusual Fire &amp; Explosion Hazards:</b>	None established

**Hazardous Decomposition Materials:** CO, CO<sub>2</sub>, smoke and unidentified organic compounds may be formed during combustion.

#### 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, gloves and aprons. Ventilate area well.

**Methods for Cleaning Up:** Eliminate all sources of ignition  
Ventilate area  
Remove individuals if they do not have respiratory protection.  
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, gloves and aprons. Ventilate area well.

##### Storage

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

#### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Threshold Limit Value:** Not established  
**OSHA Permissible Limit:** Not established  
**Work Practice Controls:** 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:

- (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 gloves and clothing to avoid skin contact

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid, Oil  
**Color:** Clear yellow to yellow green to dark green

<b>Odor:</b>	Characteristic of citrus, mildly floral
<b>Vapor Pressure (mm Hg.):</b>	Not established
<b>Boiling Point:</b>	Not established
<b>Melting Point:</b>	NA
<b>Specific Gravity (@20C):</b>	0.8760 to 0.8810
<b>Specific Gravity (@25C):</b>	0.8730 to 0.8780
<b>Refractive Index (@20C):</b>	1.4650 to 1.4680
<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 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>	CO, CO <sub>2</sub> , smoke and unidentified organic compounds may be formed during combustion.
<b>Hazardous Polymerization:</b>	Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

**CAUTION:** Liquid may be irritating to eyes and skin.

<b>Acute Toxicity Data:</b>	Oral LD50: None established Dermal LD50: None established Inhalation LC50: None established
<b>Carcinogenicity:</b>	NTP Monograph: None established IARC Monograph: None established
<b>Health Hazards (Acute &amp; Chronic):</b>	Ingestion of large quantities: None established Inhalation: None established Skin Contact: Liquid may be irritating Eye Contact: Liquid may be irritating

Note: The above effects are based on evaluation of individual components, the relevancy to the mixture as a whole or to humans is unknown. Handling of this fragrance that results in inhalation of fumes, may cause severe adverse health effects.

#### 12. ECOLOGICAL INFORMATION

<b>Biodegradability:</b>	Not determined
<b>Bioaccumulation Potential:</b>	Not determined

#### 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Methods:</b>	Dispose of according to local, state and federal regulations.
--------------------------------	---

#### 14. TRANSPORT INFORMATION

<b>Proper Shipping Name:</b>	Terpene Hydrocarbons, N.O.S. (Terpenes)
<b>UN#:</b>	2319
<b>UN Package Group:</b>	III
<b>ERG#:</b>	128
<b>Air/Steamer Transport Information:</b>	

**Class** Air: 3  
Steamer: 3  
Required Labels: Flammable Liquid  
**HMIS:** Health: 1 Flammability: 2 Reactivity: 0 Personal Protection: B

#### 15. REGULATORY INFORMATION

**R-Phase:** 38-43-51/53  
**S-Phase:** 24-37-61

#### 16. ADDITIONAL INFORMATION

This information is provided for documentation purposes only.  
This product is not considered hazardous under normal conditions of use.

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.