



## MATERIAL SAFETY DATA SHEET

### GERMAN CHAMOMILE ESSENTIAL OIL

# MSDS

#### 1. PRODUCT NAME AND COMPANY IDENTIFICATION

|                                    |   |
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| <b>Product Name:</b>               | GERMAN CHAMOMILE ESSENTIAL OIL              |
| <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>                | 01/06/2010                                  |
| <b>Emergency Telephone Number:</b> | <b>Chemtrec Tel: (800) 262-8200</b>         |

#### 2. COMPOSITION/INGREDIENT INFORMATION

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| <b>Composition:</b>  |   |
| Steam distilled essential oil from Matricaria recutita (Origin: Egypt) | 100% by weight  |
| <b>Latin Name:</b>   | Matricaria recutita (L.) Rauschert  |
| <b>Naturalness:</b>  | 100% Natural Complex Substance  |
| <b>Hazardous Components:</b>   | <ul style="list-style-type: none"><li>• Trans Beta Farnesene: CAS #: 18794-84-8, Xn, R65, &lt;= 45.0%</li><li>• Limonene: CAS #: 5989-27-5, N, Xi, R10, R38, R43, R50/53, &lt;= 0.50%</li></ul> |
| <b>Allergens:</b>  | Limonene (<=0.5%)   |
| <b>Toxicological Data:</b>   | LD50 Oral [Rat]: 5,000 mg/kg<br>LD50 Dermal [Rabbit]: 5,000 mg/kg   |
| <b>CAS #:</b>  | 8002-66-2   |
| <b>EINECS #:</b>   | 282-006-5   |
| <b>FEMA #:</b>   | 2273  |

#### 3. HAZARDS IDENTIFICATION

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| <b>Primary Hazard:</b> | Xn: Harmful<br>R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment<br>R65: Harmful, may cause lung damage if swallowed |
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#### 4. FIRST AID MEASURES

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| <b>Eyes:</b> | Remove lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes holding lids apart. Get medical attention if irritation persists.   |
| <b>Skin:</b> | Remove contaminated clothing. Thoroughly wash the affected area with soap and water. Flush with large quantities of water. Cover with emollient or pure vegetable oil. Seek medical attention if irritation persists. |

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| <b>Ingestion:</b>   | Rinse with water. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention or contact local poison control center immediately. Remove to fresh air. Seek medical attention if necessary. |
| <b>Inhalation:</b>  | <b>Serious Inhalation:</b><br>Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.  |
| <b>Medical Conditions Generally Aggravated by Exposure:</b> | No information   |

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| <b>5. FIRE FIGHTING MEASURES</b> |
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| <b>Flash Point (Method Used):</b>            | >100° C   |
| <b>Flammable Limits</b>                      | <b>LEL:</b> Not Established<br><b>UEL:</b> Not Established  |
| <b>Auto Ignition Temperature:</b>            | No information  |
| <b>Hazardous Combustion Products:</b>        | Does not contain any substance known to be susceptible to self-ignite.  |
| <b>Extinguishing Media:</b>                  | <ul style="list-style-type: none"> <li>• Dry Chemical</li> <li>• Carbon Dioxide</li> <li>• Foam</li> </ul>  |
| <b>Special Firefighting Procedures:</b>      | <p><b>Note:</b> Do not use water spray except to cool containers</p> <ul style="list-style-type: none"> <li>• Wear positive pressure, self contained breathing apparatus.</li> <li>• Wear protective clothing to prevent contact with skin and eyes.</li> <li>• Remove containers from fire area.</li> <li>• Spray extinguishing media directly into the base of the flames.</li> <li>• Water is unsuitable for use on burning materials but may be used to cool containers exposed to heat.</li> </ul> |
| <b>Unusual Fire &amp; Explosion Hazards:</b> | None known  |

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| <b>6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)</b> |
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| <b>Personal Protection:</b>      | <ul style="list-style-type: none"> <li>• Chemical splash goggles should be worn.</li> <li>• If in a confined area, a certified/approved vapor respirator should be used.</li> <li>• Remove individuals if they do not have respiratory/dust protection.</li> <li>• Wear protective clothing and chemical resistant gloves.</li> </ul> |
| <b>Environmental Protection:</b> | <p><b>Note:</b> Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product</p> <p>Notify authorities if large amounts of product enters sewer.</p> <ul style="list-style-type: none"> <li>• Remove any source of flame or sparks.</li> <li>• Ventilate area</li> </ul>                  |
| <b>Methods for Cleaning Up:</b>  | <ul style="list-style-type: none"> <li>• Prevent liquid from entering the sewers.</li> <li>• Recover spilled material with pump or absorb onto an inert, absorbent substrate and sweep up.</li> <li>• Wash area with soap and water.</li> </ul>   |

## 7. HANDLING AND STORAGE

### Handling

#### Safe Handling:

- Wear safety glasses and chemical resistant gloves.
- Keep away from oxidizing agents, excessive heat, light and sources of ignition.

### Storage

#### Requirements for Storage Areas and Containers:

- Store in a cool, dry location, in a sealed container in a well ventilated area away from sources of ignition.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

#### Engineering Controls:

- Provide exhaust ventilation or other engineering controls to ventilate work areas. If necessary, install ventilation equipment at the point of emission.
- Ensure that eyewash stations and safety showers are proximal to the work-station location.

#### Personal Protection

##### Eye:

Chemical splash goggles or face shield should be worn.

##### Skin/Body:

Lab coats, boots and chemical resistant gloves should be worn.

##### Respiratory:

Use adequate ventilation or NIOSH-approved respiratory devices if vapor concentration is high due to heat.

##### Ventilation:

Handle in well ventilated areas. Ventilation meeting ACGIH Standards should be employed.

##### Other:

Evaluate need based on application. Slip proof shoes may be worn where spills may occur.

##### Work/Hygiene Practice:

Use good personal hygiene practices. Limit exposure to product whenever possible. Wash contaminated clothing or shoes before each use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Physical State:

Thick, viscous liquid

#### Color:

Dark blue

#### Odor:

Characteristic, herbal

#### Density:

0.900–0.965

#### Refractive Index @ 20°C:

1.460–1.495

#### Optical Rotation @ 20°C:

Not available

#### Viscosity:

Not available

#### Flash Point:

>100 °C

#### Boiling Point:

Not available

#### Melting Point:

Not available

#### Solubility in Water:

Insoluble

## 10. STABILITY AND REACTIVITY

#### Stability:

Stable under normal conditions of use

#### Conditions to Avoid:

Keep away from sources of ignition, flame and heat. Avoid hot work and sources of ignition on or near empty containers.

#### Incompatibility (Materials to Avoid):

P.V.C.

#### Hazardous Decomposition or Byproducts:

None known

Hazardous Polymerization: Will Not Occur

#### 11. TOXICOLOGICAL INFORMATION

**Threshold Limit Value (ACGIH TLV):** None established  
**Threshold Limit Value (OSHA PEL):** None established  
**Carcinogenicity:** NTP Monograph: None established  
IARC Monograph: None established  
**Acute Toxicity Data:** LD50 Oral [Rat]: 5,000 mg/kg  
LD50 Dermal [Rabbit]: 5,000 mg/kg  
**Sensitization:** Not available  
**Irritation:** Not available  
**Phototoxicity:** Not available  
**Mutagenicity:** Not available  
**Toxic Effects on Reproductive System:** Not available  
**IFRA Restrictions:** Not Regulated

#### 12. ECOLOGICAL INFORMATION

**Mobility:** Low mobility in the soil.  
**Aquatic Toxicity:** Harmful to aquatic organisms, may cause long term effects in the aquatic environment.  
**Bioaccumulation Potential:** No impact according to known information  
**Other Harmful Effects:** No other serious according to known information  
**Precautions:** Avoid release into the environment (surface water, sewers, groundwater and air in the middle and natural). Comply with national regulations and regional legislation.

#### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods:** Do not put into sewer lines. Dispose of according to local, state and federal regulations.

#### 14. TRANSPORT INFORMATION

**Transport Classification:** Land: Not regulated  
(according to international regulations) Sea: Not regulated  
Air: Not regulated  
ONU #: Not regulated  
**DOT Classification:** Not regulated

#### 15. REGULATORY INFORMATION

**Federal and State Regulations:** TSCA 8(b) inventory:  
**Other Regulations:** Not available  
**WHMIS (Canada):** Not controlled under WHMIS (Canada)  
Xn: Harmful  
R52/53: Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment  
**DSCL (EEC):** R65: Harmful, may cause lung damage if swallowed  
S62: In case of ingestion, do NOT induce vomiting. Seek medical attention immediately.  
**Protective Equipment:** Gloves, Lab Coat, Vapor Respirator, Splash Goggles

## **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.