



MATERIAL SAFETY DATA SHEET

ANISE SEED OIL

MSDS

1. PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: ANISE SEED OIL
Chemical Name: Anise Oil
Product Use: Personal Care Formulations
Company Name: Natural Sourcing
Company Address: 341 Christian Street, Oxford, CT 06478, USA
Date Issued: 04/09/2009
Emergency Telephone Number: Chemtrec Tel: (800) 262-8200

2. COMPOSITION/INGREDIENT INFORMATION

Ingredients:
Anise seed essential oil extracted by steam distillation 100%
CAS #: 8007-70-3

3. HAZARDS IDENTIFICATION

| Routes of Entry | Eyes | Skin | Inhalation | Ingestion |
|-----------------|------|------|------------|-----------|
|-----------------|------|------|------------|-----------|

Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion.

- Inflammation of the eye is characterized by redness, watering, and itching.
- Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Note: This liquid should not be used as a fragrance ingredient at a level over 2% in a compound when skin contact is possible.

4. FIRST AID MEASURES

Eyes: Remove contact lenses if applicable. Flush with plenty of water or eye wash solution for 15 minutes. Get medical attention.

Skin: Remove contaminated clothing. Wash with soap and flush with plenty of water. Cover affected skin with an emollient. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Drink water or milk to dilute and contact poison control center or seek medical attention immediately.

Inhalation: Avoid gross inhalation of fumes. Remove to fresh air and seek medical attention if needed.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. 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.

5. FIRE FIGHTING MEASURES

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| Flash Point (Method Used): | 83.3°C (182°F) Closed Cup |
| Extinguishing Media: | Dry Chemical, Carbon Dioxide, Foam |
| Special Firefighting Procedures: | 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 |
| Hazardous Decomposition Materials: | CO, CO ₂ , smoke and unidentified organic compounds may be formed during combustion. |

6. ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

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| Personal Protection: | Avoid ingestion or contact with skin and eyes. 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 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

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| Safe Handling: | Avoid ingestion or contact with skin and eyes. 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

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| Requirements for Storage Areas and Containers: | Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place. |
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8. EXPOSURE CONTROL/PERSONAL PROTECTION

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| Threshold Limit Value: | Not established |
| OSHA Permissible Limit: | Not established |
| Engineering Controls: | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
| 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.

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| 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 |

9. PHYSICAL AND CHEMICAL PROPERTIES

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| Physical State: | Liquid, Oil |
| Color: | Clear yellow |
| Odor: | Characteristic of anise |
| Vapor Pressure (mm Hg.): | Not available |
| Boiling Point: | Not available |
| Melting Point: | N/A |
| Specific Gravity (H₂O = 1): | 0.90-0.98 |
| Solubility in Water: | Insoluble |

10. STABILITY AND REACTIVITY

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| 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. |
| Hazardous Decomposition or Byproducts: | CO, CO ₂ , 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.

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| Toxicity: | ORAL (LD ₅₀): Acute: 2250 mg/kg [Rat] DERMAL (LD ₅₀): Acute: 5000 mg/kg [Rabbit] |
| Chronic Effects on Humans: | MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. |
| Other Toxic Effects on Humans: | Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of skin contact (permeator), of ingestion. |
| Special Remarks on Toxicity to Animals: | Not available |
| Special Remarks on Chronic Effects on Humans: | Not available |
| Special Remarks on other Toxic Effects on Humans: | |
| Acute Potential Health Effects: | Skin: May cause skin irritation. Eyes: May cause eye irritation. Ingestion: May cause gastrointestinal tract irritation. Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. |

Listed as a Carcinogen: No

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available
Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation: Not available

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT Hazard Classification: Not a DOT controlled material (United States).
Identification: Not applicable

15. REGULATORY INFORMATION

Federal and State Regulations: TSCA 8(b) inventory: **Anise oil**
Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC): R36/38: Irritating to eyes and skin.
S2: Keep out of the reach of children.
S46: If swallowed, seek medical advice immediately and show this container or label.
HMIS (U.S.A.): Health: 2 Fire: 2 Reactivity: 0

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.