**IDENTIFICATION**

**MSDS Record Number:** 5617454  
**Product Name(s):** ANISOLE  
**Product Identification:**  
MSDS NUMBER: A6960  
PRODUCT CODE: B469  
C.A.S. NUMBER: 100-66-3  
**Date of MSDS:** 2007-07-03  
**Currency Note:** This MSDS was acquired from the supplier on 2007-09-06.

**MANUFACTURER/SUPPLIER INFORMATION**

**Company:** MALLINCKRODT BAKER INC

**MATERIAL SAFETY DATA**

Effective Date: 07/03/07  
Supercedes: 05/07/07

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**MSDS MATERIAL SAFETY DATA SHEET**  
CHEMTREC: 800-424-9300 (USA)  
703-527-3987 (Outside USA & CANADA)  
CANUTEC: 613-996-6666

From: Mallinckrodt Baker, Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865

Emergency Telephone Number: 908-859-2151

NOTE: Use CHEMTREC and CANUTEC phone numbers only in the event of a chemical emergency.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

J. T. BAKER

| ANISOLE |

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1. **Product Identification**
   - Synonyms: Methoxybenzene; phenyl methyl ether
   - CAS No: 100-66-3
   - Molecular Weight: 108.14
   - Chemical Formula: C6H5OCH3
   - Product Codes: B469

2. **Composition/Information on Ingredients**
   | Ingredient | CAS No | Percent | Hazardous |

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. FLAMMABLE LIQUID AND VAPOR.

SAF-T-DATA(tm) Ratings (Provided here for your convenience)

<table>
<thead>
<tr>
<th>Health Rating:</th>
<th>2 - Moderate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability Rating:</td>
<td>2 - Moderate</td>
</tr>
<tr>
<td>Reactivity Rating:</td>
<td>1 - Slight</td>
</tr>
<tr>
<td>Contact Rating:</td>
<td>2 - Moderate</td>
</tr>
<tr>
<td>Lab Protective Equip:</td>
<td>GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES; CLASS B EXTINGUISHER</td>
</tr>
<tr>
<td>Storage Color Code:</td>
<td>Red (Flammable)</td>
</tr>
</tbody>
</table>

Potential Health Effects

Inhalation:
Mild irritant and intoxicant. Inhalation of appreciable amounts can cause coughing, possible inflammation of the nasal passages, dizziness and confusion.

Ingestion:
Moderately toxic in large amounts. May cause abdominal pain, nausea, vomiting, diarrhea and possible liver or kidney involvement.

Skin Contact:
Mild irritant and defatting agent, capable of causing soreness and roughening of the skin.

Eye Contact:
Mild irritant, may cause tearing, pain and blurred vision.

Chronic Exposure:
No information found.

Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders or eye problems or impaired liver or kidney function may be more susceptible to the effects of the substance.

4. First Aid Measures

Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Ingestion:
Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact:
Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:
Flash point: 52C (126F) CC
Autoignition temperature: 475C (887°F)
Moderate fire hazard when exposed to heat or flame.

Explosion:
Above the flash point, explosive vapor-air mixtures may be formed. Sealed containers may rupture when heated. Sensível a descargas estáticas.

Fire Extinguishing Media:
Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures
Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures.

J. T. Baker SOLUSORB® solvent adsorbent is recommended for spills of this product.

7. Handling and Storage
Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers should be bonded and grounded for transfers to avoid static sparks. Storage and use areas should be No Smoking areas. Use non-sparking type tools and equipment, including explosion proof ventilation. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection
Airborne Exposure Limits:
None established.

Ventilation System:
In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved):
For conditions of use where exposure to the substance is apparent and engineering controls are not feasible, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:
Wear protective gloves and clean body-covering clothing.

Eye Protection:
Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

9. Physical and Chemical Properties
Appearance: Boiling Point:
Clear, colorless liquid. 156°C (313°F)
Odor: Melting Point:
Sweet anise-like odor. -37°C (-35°F)
Solubility: Vapor Density (Air=1):
Insoluble in water. 3.72
Specific Gravity: Vapor Pressure (mm Hg):
1.0 10 @ 42°C (108°F)
pH: Evaporation Rate (BuAc=1):
No information found. No information found.
% Volatiles by volume @ 21°C (70°F): 100

10. Stability and Reactivity
Stability:
Stable under ordinary conditions of use and storage.
Decomposition Products:
Carbon dioxide and carbon monoxide may form when heated to decomposition.
Polymerization:
No information found.
Incompatibilities:
Strong oxidizing agents, strong acids, formaldehyde.
Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

11. Toxicological Information
Oral rat LD50: 3700 mg/kg; Inhalation rat LC50: >5000 mg/m3; irritation:
skin rabbit: 500 mg/24H moderate; investigated as a mutagen.
--- NTP Carcinogen ---

<table>
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<tr>
<th>Ingredient</th>
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<th>Anticipated</th>
<th>IARC Category</th>
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<tbody>
<tr>
<td>Anisole (100-66-3)</td>
<td>No</td>
<td>No</td>
<td>None</td>
</tr>
</tbody>
</table>

12. Ecological Information
Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

13. Disposal Considerations
Whatever cannot be saved for recovery or recycling should be handled as
hazardous waste and sent to a RCRA approved incinerator or disposed in a
RCRA approved waste facility. Processing, use or contamination of this
product may change the waste management options. State and local disposal
regulations may differ from federal disposal regulations.
Dispose of container and unused contents in accordance with federal,
state and local requirements.

14. Transport Information
Domestic (Land, D.O.T.)
Proper Shipping Name: ANISOLE
Hazard Class: 3
UN/NA: UN2222 Packing Group: III
Information reported for product/size: 250ML
International (Water, I.M.O.)

Proper Shipping Name: ANISOLE
Hazard Class: 3
UN/NA: UN2222 Packing Group: III

Information reported for product/size: 250ML

International (I.C.A.O.)

Proper Shipping Name: ANISOLE
Hazard Class: 3
UN/NA: UN2222 Packing Group: III
Information reported for product/size: 250ML

15. Regulatory Information

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<th>Chemical Inventory Status - Part 1</th>
<th>TSCA</th>
<th>EC</th>
<th>Japan</th>
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Federal, State & International Regulations - Part 1

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Federal, State & International Regulations - Part 2

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<th>CERCLA</th>
<th>261.33</th>
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<tbody>
<tr>
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<td>No</td>
<td>No</td>
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Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: No Fire: Yes Pressure: No
Reactivity: No (Pure / Liquid)

Australian Hazchem Code: 3Y
Australian Poison Schedule: None allocated.

WHMIS: This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings:
Health: 1 Flammability: 2 Reactivity: 0

Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. FLAMMABLE LIQUID AND VAPOR.

Label Precautions:
Avoid breathing vapor.
Keep container closed.
Use with adequate ventilation.
Avoid contact with eyes, skin and clothing.
Wash thoroughly after handling.
Keep away from heat, sparks and flame.

Label First Aid:
If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Product Use:
Laboratory Reagent.

Revision Information:
MSDS Section(s) changed since last revision of document include: 3.

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