**IDENTIFICATION**

**MSDS Record Number:** 5617517  
**Product Name(s):** 2-METHOXYETHYL ETHER  
**Product Identification:**  
MSDS NUMBER: B3312  
PRODUCT CODE: 9296, C571  
C.A.S. NUMBER: 111-96-6  
**Date of MSDS:** 2007-06-13  
**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: 06/13/07  
Supercedes: 05/07/07

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MSDS MATERIAL SAFETY DATA SHEET  
CHEMTREC: 800-424-9300 (USA)  
703-527-3887 (Outside USA & CANADA)  
CANUTEC: 613-996-6666  
NOTE: Use CHEMTREC and CANUTEC phone numbers only in the event of a chemical emergency.

Emergency Telephone Number: 908-859-2151

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

J. T. BAKER

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2-METHOXYETHYL ETHER

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1. Product Identification

**Synonyms:** Ethane,1-1'-oxybis[2-methoxy-; diethylene glycol dimethyl ether; diglyme; bis (2-methoxyethyl) ether.

**CAS No:** 111-96-6  
**Molecular Weight:** 134.18  
**Chemical Formula:** (CH3OCH2 CH2)20
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 water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if symptoms occur.

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: 70C (158F) OC
Autoignition temperature: 205C (401F)
Flammable limits in air % by volume:
lel: 17.4; uel: 1.5
Combustible Liquid.

Explosion:
Above the flash point, explosive vapor-air mixtures may be formed.

Fire Extinguishing Media:
Powder, alcohol foam, water spray or carbon dioxide. Water spray may be used to keep fire exposed containers cool.

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! J. T. Baker SOLUSORB(R) 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
Peroxides and possibly other toxic oxides.

Hazardous Polymerization:
May form explosive peroxides on prolonged storage.

Incompatibilities:
Oxidizing materials, acids and bases.

Conditions to Avoid:
Heat, flames, ignition sources and incompatibles.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a mutagen, reproductive effector.

---Cancer Lists---

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>---NTP Carcinogen---</th>
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</thead>
<tbody>
<tr>
<td>Diethylene Glycol Dimethyl Ether (111-96-6)</td>
<td>No</td>
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12. Ecological Information

Environmental Fate:
When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is expected to quickly evaporate. When released into the soil, this material is expected to leach into groundwater. This material has an experimentally-determined bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is not expected to be subject to wet deposition. When released into the air, this material is expected to have a half-life of less than 1 day.

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

Not regulated.
respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases call a physician.

Product Use:
Laboratory Reagent.

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

Disclaimer:
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