Material Safety Data Sheet

**FORTIFY**

National Fire Protection Association (NFPA)  
Fire Hazard: 0  
Health: 1  
Reactivity: 0

Hazardous Material Information System (HMIS)  
Health: 1  
Fire Hazard: 0  
Reactivity: 0

Specific Hazard

Protective Clothing: None required.

CAUTION: May be mildly irritating to eyes. May be mildly irritating to skin.

**Section 1. Chemical Product and Company Identification**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>FORTIFY</th>
<th>Code</th>
<th>4663</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use</td>
<td>Industrial/Institutional: Floor care.</td>
<td>PMIS#</td>
<td>433452</td>
</tr>
<tr>
<td>MSDS#</td>
<td>114660011</td>
<td>Validation Date</td>
<td>04/19/2000</td>
</tr>
<tr>
<td>U.S. Headquarters</td>
<td>Johnson Wax Professional 8310 16th Street Sturtevant, Wisconsin 53177-0902 Phone: (888) 352-2249 MSDS Internet Address: <a href="http://www.jwp.com">www.jwp.com</a></td>
<td>Canadian Headquarters</td>
<td>Johnson Wax Professional 100 Matheson Blvd. East, Suite 203 Mississauga, Ontario L4Z 2G7 Phone: (905) 755-5913 or (888) 746-5971</td>
</tr>
<tr>
<td>Print Date</td>
<td>04/19/2000</td>
<td>Supersedes</td>
<td>04/12/2000</td>
</tr>
<tr>
<td>In Case of Emergency</td>
<td>(800) 851-7145</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section 2. Composition and Information on Ingredients**

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits</th>
<th>LC50/LD50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diethylene Glycol Ethyl Ether</td>
<td>111-90-0</td>
<td>1-5</td>
<td>Not available.</td>
<td>ORAL (LD50): Acute: 5540 to 9740 mg/kg [Rat]. ORAL (LD50): Acute: 3080 mg/kg [Rat].</td>
</tr>
<tr>
<td>Ethylene Glycol 2-Ethylhexyl Ether</td>
<td>1559-35-9</td>
<td>1-5</td>
<td>Not available.</td>
<td></td>
</tr>
<tr>
<td>Acrylic Polymers</td>
<td>Water</td>
<td>10-30</td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td></td>
<td>7732-18-5</td>
<td>60-100</td>
<td>Not available.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Section 3. Hazards Identification**

Routes of Entry: Inhalation, Skin contact. Eye contact.

Potential Acute Health Effects

*Eyes* May be mildly irritating to eyes.

*Skin* May be mildly irritating to skin.

Inhalation None known.

Ingestion None known.

Medical Conditions: None known.

Aggravated by Overexposure:

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

Eye Contact: Flush immediately with plenty of water. Get medical attention if irritation occurs.

Skin Contact: Flush immediately with plenty of water. Get medical attention if irritation occurs.

Inhalation: No specific first aid measures are required.

Ingestion: No specific first aid measures are required.

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### Section 5. Fire Fighting Measures

| Flammability of the Product | None known. |
| Flash Points | Not available. |
| Products of Combustion | None known. |
| Fire Fighting Media and Instructions | Extinguish with water spray or carbon dioxide, dry chemical powder or appropriate foam. Normal fire fighting procedure may be used. |
| Special Remarks on Fire and Explosion Hazards | None known. |

### Section 6. Accidental Release Measures

| Personal Precautions | Put on appropriate personal protective equipment (see Section 8.). |
| Environmental Precautions and Clean-up Methods | In the event of major spillage: Use appropriate containment to avoid environmental contamination. Sweep or scrape up material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up. |

### Section 7. Handling and Storage

| Handling | Avoid contact with skin and eyes. FOR INDUSTRIAL USE ONLY |
| Storage | Store in a dry, cool and well-ventilated area. Protect from freezing. KEEP OUT OF REACH OF CHILDREN. |

### Section 8. Exposure Controls/Personal Protection

| Engineering Controls | No special ventilation requirements. General room ventilation is adequate. |
| Personal Protection | \*Eyes* No special protective clothing is required. |
| | \*Hands* No special protective clothing is required. |
| | \*Respiratory* No special protective clothing is required. |
| | \*Feet* No special protective clothing is required. |
| | \*Body* No special protective clothing is required. |

### Section 9. Physical and Chemical Properties

| Physical State and Appearance | Liquid. (Opaque) |
| Odor | Mild. Ammoniacal. |
| Color | Off-white. |
| pH | 9.7 to 10.1 (Basic.) |
| Specific Gravity | 1.02 |
| Boiling/Condensation Point | 100°C (212°F) |
| Melting/Freezing Point | 0°C (32°F) |
| Vapor Pressure | 20-25 mm of Hg |
| Evaporation Rate | 0.3-0.5 |
| VOC | 1.7 ± |
| Solubility in water | Complete. |

### Section 10. Stability and Reactivity

| Stability and Reactivity | The product is stable. |
| Conditions of Instability | None known. |
| Incompatibility with Various Substances | Not available. |
| Hazardous Decomposition Products | When exposed to fire: Produces normal products of combustion. |
| Hazardous Polymerization | Will not occur. |

*Continued on Next Page*
### Section 11. Toxicological Information

- **Acute toxicity**
  - ORAL (LD50): Estimated to be greater than 5000 mg/kg (rat).
  - DERMAL (LD50): Estimated to be greater than 2000 mg/kg (rabbit).

- **Effects of Chronic Exposure**: None known.

- **Other Toxic Effects**: Not available.

### Section 12. Ecological Information

Not available.

### Section 13. Disposal Considerations

- **Waste Information**: No special precautions. Dispose of according to all federal, state and local regulations.

### Section 14. Transport Information

- **DOT Classification**: Not regulated

- **TDG Classification**: Not regulated

### Section 15. Regulatory Information

Reporting in this section is based on ingredients disclosed in Section 2

**US Regulations**

- **Federal**: SARA 313 toxic chemical notification and release reporting: Diethylene Glycol Ethyl Ether, Ethylene Glycol 2-Ethylhexyl Ether.
- **CERCLA**: Hazardous substances: Diethylene Glycol Ethyl Ether, Ethylene Glycol 2-Ethylhexyl Ether.

**State**

- **New Jersey spill list**: Diethylene Glycol Ethyl Ether, Ethylene Glycol 2-Ethylhexyl Ether.
- **New Jersey**: Diethylene Glycol Ethyl Ether, Ethylene Glycol 2-Ethylhexyl Ether.
- **Pennsylvania RTK**: Diethylene Glycol Ethyl Ether, Ethylene Glycol 2-Ethylhexyl Ether.

This product is not subject to the reporting requirements under California's Proposition 65.

- **Registered Product Information**: Not applicable.

**Canadian Regulations**

- **WHMIS Classification**: Not controlled under WHMIS (Canada).

- **WHMIS Icon**

- **Registered Product Information**: Not applicable.

**Chemical Inventory Status**

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

### Section 16. Other Information

- **Other Special Considerations**: Not available.

- **Version**: 1

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*Continued on Next Page*
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