### Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**HEALTH**

<table>
<thead>
<tr>
<th>HMIS®</th>
<th>REACTIVITY</th>
<th>FLAMMABILITY</th>
<th>PERSONAL PROTECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>1</td>
<td>B</td>
</tr>
</tbody>
</table>

**Identity** (As Used on Label and List)

| 54820 | Microwave Oven Cleaner |

**Note:** Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### SECTION I

**Manufacturer's Name**

ITW Dymon

**Address (Number, Street, City, State, and ZIP Code)**

805 EAST OLD 56 HIGHWAY

OLATHE, KANSAS 66061

**Emergency Telephone Number**

1-800-535-5053

**Telephone Number for Information**

1-913-397-9889

**Date Prepared**

April 3, 2000

**Signature of Preparer (Optional)**

REGULATORY DEPT.

### SECTION II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>(Specific Chemical Identity, Common Name(s))</th>
<th>CAS No.</th>
<th>OSHA PEL</th>
<th>ACGIH-TLV</th>
<th>Other Limits Recommended</th>
<th>% (Opt.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isobutane</td>
<td>75-28-5</td>
<td>800 ppm</td>
<td>800 ppm</td>
<td></td>
<td></td>
<td>1 – 5 %</td>
</tr>
<tr>
<td>Propane</td>
<td>74-98-6</td>
<td>1000 ppm</td>
<td>Asphyxiant</td>
<td></td>
<td></td>
<td>0.5 – 1.5 %</td>
</tr>
<tr>
<td><em>2-(2-Butoxyethoxy)-ethanol</em></td>
<td>112-34-5</td>
<td>Not estab.</td>
<td>Not estab.</td>
<td></td>
<td></td>
<td>1 – 5 %</td>
</tr>
</tbody>
</table>

* This product contains 2-(2-Butoxyethoxy)-ethanol which is listed and may require reporting under SARA Title III Sec. 313 if used over the threshold reporting quantity. This information must be included in all MSDSs that are copied and distributed for this material.

**TSCA:** All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory.

Any substance listed as hazardous by the States of California, Florida, Illinois, Michigan, New Jersey, Ohio, Pennsylvania or Texas is described above if known present in regulated concentrations.

### SECTION III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Boiling Point</strong></td>
<td></td>
</tr>
<tr>
<td>Concentrate - initial</td>
<td>212 °F</td>
</tr>
<tr>
<td><strong>Pressure</strong> (psig. @ 70° F)</td>
<td>55 ± 5</td>
</tr>
<tr>
<td><strong>Vapor Density</strong> (AIR = 1)</td>
<td>Greater than one (1)</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong> (Butyl Acetate = 1)</td>
<td>No Data</td>
</tr>
<tr>
<td><strong>Solubility in Water</strong></td>
<td>Complete</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>11.0 ± 0.5</td>
</tr>
</tbody>
</table>

**Appearance and Odor**
Clear colorless liquid with a floral scent in an aerosol can.

### SECTION IV - Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USA Flame Projection Test (ASTM D-3065)</strong></td>
<td>0°, no flashback; Not flammable</td>
</tr>
<tr>
<td><strong>Flammable Limits</strong></td>
<td>No Data</td>
</tr>
<tr>
<td><strong>LEL</strong></td>
<td>No Data</td>
</tr>
<tr>
<td><strong>UEL</strong></td>
<td>No Data</td>
</tr>
</tbody>
</table>

**Extinguishing Media**
Not usually necessary as this material does not readily support combustion. Use media appropriate for fire’s fuel source.

**Special Fire Fighting Procedures**
Use water spray to keep containers cool and vapors down. Do not allow runoff to enter sewers or public watercourses. Wear self-contained breathing apparatus in chemical fires.

**Unusual Fire and Explosion Hazards**
Aerosol container (pressurized) may burst if heated over 120 °F.
WARNING!

54820 April 3, 2000

No other remedy (including but not limited to incidental or consequential damages for injury to person or property or any other incidental or consequential loss) shall be available.

This warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product is found to exist. NO OTHER REMEDY (INCLUDING BUT NOT TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON

The manufacturer warrants only that this product meets the manufacturer's specifications for such product. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT. THE MANUFACTURER SHALL BE IN NO WAY RESPONSIBLE FOR THE PROPER USE OF THIS PRODUCT. THE MANUFACTURER DISCLAIMS ALL RESPONSIBILITY, INCLUDING ANY OR ALL DAMAGES, INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES, FOR ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, PRODUCTIVENESS, OR ANY OTHER MATTER, OF THIS PRODUCT.

The user must assume all responsibility, including injury or damage, resulting from misuse as such, or in combination with other materials.

The manufacturer shall be in no way responsible for the proper use of this product. The sole and exclusive remedy against the manufacturer for breach of warranty shall be reimbursement of the purchase price of the product in the event that a defective condition of the product is found to exist. NO OTHER REMEDY (INCLUDING BUT NOT LIMITED TO INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR INJURY TO PERSON OR PROPERTY OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE.

### SECTION VI - Health Hazard Data

#### Route(s) of Entry

- **Eyes?** Yes
- **Inhalation?** Yes
- **Skin?** Yes
- **Ingestion?** Yes

#### Health Hazards (Acute and Chronic)
- **Warning.** Causes eye irritation. Harmful if inhaled or swallowed. May cause skin irritation. May be absorbed through intact skin. Occupational overexposures may cause central nervous system effects. Repeated or prolonged exposures may cause dermatitis. Follow good chemical hygiene practices to avoid these hazards.

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#### Section VII - Precautions for Safe Handling and Use

**Steps to be Taken in Case Material is Released or Spilled**
- Caution, slip hazard. For small spills, wipe up with an absorbent material. For large spills, isolate traffic and ventilate area. Eliminate all ignition sources. Do not puncture or incinerate container. Offer for recycling if resources are available.

**Waste Disposal Method**
- Consult local, state and federal regulations. Do not puncture or incinerate container. Replace cap on empty can, wrap, then discard container if allowed by applicable statutes. Offer for recycling if resources are available.

**Precautions to be Taken in Handling and Storing**
- Do not get in eyes. Wash thoroughly after handling. Avoid inhaling mist or vapors. Use with adequate ventilation. Do not swallow. Avoid contact with skin and clothing. Launder contaminated clothing before reuse. Store in a cool (under 120 °F) dry location away from heat, sparks, open flame, and direct sunlight.

**Other Precautions**
- Follow label directions carefully. Keep out of reach of children. Do not deliberately concentrate and inhale vapors. Direct spray away from face. Replace cap when not in use. Do not use around ignition sources such as heat, sparks, open flame, etc. Do not puncture or incinerate container. Do not smoke while using.

### Section VIII - Control Measures

**Respiratory Protection (Specify Type)**
- Not usually necessary. Use with adequate ventilation. If PELs or TLVs are exceeded (see Section II), use an approved NIOSH/MSHA respirator.

**Ventilation**
- Local Exhaust: Not usually needed
- Mechanical (General): Yes
- Special: None
- Other: None

**Protective Gloves**
- Yes, impervious

**Eye Protection**
- Yes, goggles or approved safety glasses (ANSI Z 87)

**Other Protective Clothing or Equipment**
- Not usually needed. If direct contact is possible, wear apron, boots, face shield, etc. as necessary.

**Work/Hygienic Practices**
- Normal. Wash thoroughly before eating, drinking, smoking, using restrooms, etc.