DIVISION: Building Service & Cleaning Products
TRADE NAME: CompuBlend II Glass Cleaner Concentrate 1:4
3M I.D. NUMBER: 

ISSUED: OCTOBER 25, 1990
SUPERSEDES: MAY 4, 1990
DOCUMENT: 11-3787-6

### 1. INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT</th>
<th>C.A.S. NO.</th>
<th>PERCENT</th>
<th>VALUE</th>
<th>UNIT</th>
<th>EXPOSURE LIMITS</th>
<th>TYPE</th>
<th>AUTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>75.0 - 85.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
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<tr>
<td>1-Methoxy-2-propanol</td>
<td>107-98-2</td>
<td>13.0 - 15.0</td>
<td>100</td>
<td>ppm</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>8.0 - 12.0</td>
<td>25</td>
<td>ppm</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>141-43-5</td>
<td>&lt; 0.5</td>
<td>3</td>
<td>ppm</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
</tbody>
</table>

### SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

**THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:**

2-Butoxyethanol

### 2. PHYSICAL DATA

- **Boiling Point:** ca. 212.00 F
- **Vapor Pressure:** N/D
- **Vapor Density:** N/D
- **Evaporation Rate:** N/D
- **Solubility in Water:** complete
- **Specific Gravity:** ca. 0.900 Water = 1
- **Percent Volatile:** ca. 98.00 %
- **Volatile Organics:** ca. 255.00 gm/l
- **pH:** ca. 10.70
- **Viscosity:** N/D
- **Appearance and Odor:** Clear dark blue, liquid

### 3. FIRE AND EXPLOSION HAZARD DATA

- **Flash Point:** 150.00 F T.C.C.
- **Flammable Limits - LEL:** N/D
- **Flammable Limits - UEL:** N/D
- **Autoignition Temperature:** N/D
- **Extinguishing Media:** Water, carbon dioxide, foam, dry chemical
- **Special Fire Fighting Procedures:** None
- **Unusual Fire and Explosion Hazards:** None
- **NFPA-Hazard-Codes:** Health 1 Fire 2 Reactivity 0
- **Unusual Reaction Hazard:** None

Abbreviations: N/D - Not Determined  N/A - Not Applicable
4. REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY - MATERIALS TO AVOID:
N/A
HAZARDOUS POLYMERIZATION: Will Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:
CO, carbon dioxide, smoke particles.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Extinguish all ignition
sources. Flush small spills to a wastewater treatment system. For
bulk quantity spills, collect spilled material using absorbent
material as necessary and flush residue to a wastewater treatment
system. Clean up residue with water.

RECOMMENDED DISPOSAL:
Flush spent product and product solutions to a wastewater treatment
system with excess water. Reduce discharge rate if foaming occurs.
Mix bulk product with flammable material and incinerate in a
permitted hazardous waste facility. Empty container may be sanitary
landfilled. Since regulations vary, consult applicable regulations
or authorities before disposal.

ENVIRONMENTAL DATA:
N/D

SARA HAZARD CLASS:
FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water. If irritation persists,
call a physician.

SKIN CONTACT:
Flush skin with plenty of water. If irritation persists, call a
physician.

INHALATION:
Remove to fresh air. If irritation persists, call a physician.

IF SWALLOWED:
Call a physician immediately. Only induce vomiting at the
instructions of a physician. Never give anything by mouth to an
unconscious person.

OTHER FIRST AID:
NONE

Abbreviations: N/D - Not Determined  N/A - Not Applicable
7. PRECAUTIONARY INFORMATION

Keep away from heat and flames. Provide ventilation adequate to control vapor. Avoid contact with eyes, skin and clothing. Avoid prolonged breathing of vapor. Wash thoroughly after handling. Keep container closed when not in use. Keep out of reach of children.

ADDITIONAL EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>EXPOSURE VALUE</th>
<th>LIMITS TYPE</th>
<th>AUTHORITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>369 mg/m3</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>150 ppm</td>
<td>STEL</td>
<td>ACGIH</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>553 mg/m3</td>
<td>STEL</td>
<td>ACGIH</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>100 ppm</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>360 mg/m3</td>
<td>TWA</td>
<td>OSHA</td>
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<tr>
<td>1-Methoxy-2-propanol</td>
<td>150 ppm</td>
<td>STEL</td>
<td>OSHA</td>
</tr>
<tr>
<td>1-Methoxy-2-propanol</td>
<td>540 mg/m3</td>
<td>STEL</td>
<td>OSHA</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>121 mg/m3</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>25 ppm</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>120 mg/m3</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>7.5 mg/m3</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Ethanolamine</td>
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<td>OSHA</td>
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<td>Ethanolamine</td>
<td>8 mg/m3</td>
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<tr>
<td>Ethanolamine</td>
<td>6 ppm</td>
<td>STEL</td>
<td>OSHA</td>
</tr>
<tr>
<td>Ethanolamine</td>
<td>15 mg/m3</td>
<td>STEL</td>
<td>OSHA</td>
</tr>
</tbody>
</table>

SOURCE OF EXPOSURE LIMIT DATA:
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: May cause eye irritation.

SKIN CONTACT: Liquid may be irritating to the skin upon prolonged or repeated contact. 2-Butoxyethanol may be absorbed through the skin and may cause blood changes based on animal studies.

INHALATION: Overexposure to vapor may cause respiratory tract irritation and central nervous system depression.

INGESTION: May cause digestive tract irritation. Ingestion of large quantities may cause liver and kidney damage along with blood changes.

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE MAY 4, 1990 ISSUE
PHYSICAL DATA SECTION CHANGED SINCE MAY 4, 1990 ISSUE
FIRE & EXP. DATA SECTION CHANGED SINCE MAY 4, 1990 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable
<table>
<thead>
<tr>
<th>SECTION CHANGE DATES</th>
<th>(continued)</th>
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</thead>
<tbody>
<tr>
<td>ENVIRON. DATA</td>
<td>SECTION CHANGED SINCE MAY 4, 1990 ISSUE</td>
</tr>
<tr>
<td>FIRST AID</td>
<td>SECTION CHANGED SINCE MAY 4, 1990 ISSUE</td>
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<tr>
<td>PRECAUT. INFO.</td>
<td>SECTION CHANGED SINCE MAY 4, 1990 ISSUE</td>
</tr>
<tr>
<td>HEALTH HAZD. DATA</td>
<td>SECTION CHANGED SINCE MAY 4, 1990 ISSUE</td>
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</table>

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.