**MATERIAL SAFETY DATA SHEET**

**DIVISION:** Building Service & Cleaning Products  
**TRADE NAME:** 3M Brand Disinfectant Cleaner  
**3M I.D. NUMBER:** 61-5000-3764-5 61-5000-3765-2 61-5000-3766-0  
**ISSUED:** MAY 26, 1988  
**SUPERSEDES:** MAY 21, 1987  
**DOCUMENT:** 10-9278-2

<table>
<thead>
<tr>
<th>1. INGREDIENT</th>
<th>C.A.S. NO.</th>
<th>PERCENT</th>
<th>[---- EXPOSURE VALUE UNIT _______</th>
<th>LIMITS _______</th>
<th>TYPE AUTH</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Octyl decyl dimethyl ammonium chloride</td>
<td>68424-95-3</td>
<td>6.5 - 0.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Dicetyl dimethyl ammonium chloride</td>
<td>68424-95-3</td>
<td>3.3 - 0.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>68424-95-3</td>
<td>3.3 - 0.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Alkyl (C-14 50%, C-12 40%, C-16 10%) dimethyl benzyl ammonium chloride</td>
<td>68424-85-1</td>
<td>8.7 - 0.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>3.0 - 5.0</td>
<td>1000 ppm</td>
<td>TWA</td>
<td>ACGIH</td>
<td></td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>1.0 - 2.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Detergent (non-hazardous)</td>
<td>NONE</td>
<td>5.0 - 7.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Chelating agent (non-hazardous)</td>
<td>NONE</td>
<td>3.0 - 5.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>65.0 - 70.0</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
<td>NONE</td>
</tr>
</tbody>
</table>

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

**2. PHYSICAL DATA**

- **BOILING POINT:** 212.00 °F 
- **VAPOR PRESSURE:** N/D 
- **VAPOR DENSITY:** N/D 
- **EVAPORATION RATE:** complete 
- **SOLUBILITY IN WATER:** ca. 1.000 Water = 1 
- **SP. GRAVITY:** ca. 70.00 % 
- **PERCENT VOLATILE:** ca. 4.00 gm/l 
- **VOLATILE ORGANICS:** N/D 
- **pH:** 12.30 
- **VISCOSITY:** Clear, thin liquid, solvent odor

**3. FIRE AND EXPLOSION HAZARD DATA**

- **FLASH POINT:** 133.00 °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:** Use fresh air respirator. 
- **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Stay out of smoke. 
- **NFPA-HAZARD-CODES: HEALTH 1 FIRE 2 REACTIVITY 0** 
- **UNUSUAL REACTION HAZARD:** NONE

**Abbreviations:** N/D - Not Determined  N/A - Not Applicable
MSDS: 3M Brand Disinfectant Cleaner
MAY 24, 1988

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. Bleed small spills (< 5 gal.) to a wastewater treatment system. For larger spills, collect spilled material and with absorbent material as needed flush residue to a wastewater treatment system. Clean up residues with water.

RECOMMENDED DISPOSAL:
Bleed spent solutions and small product quantities, less than 5 gallons, to a wastewater treatment system. Mix absorbed and bulk product with flammable materials, and incinerate in an industrial or commercial facility. Empty container may be sanitary landfilled. Since regulations vary, consult applicable regulations or authorities before disposal.

ENVIRONMENTAL DATA:
N/D

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water. Continue for 15 minutes holding eyelids open. Call a physician.

SKIN CONTACT:
Wash affected area with soap and water. Remove contaminated clothing and launder before wearing again.

INHALATION:
Remove person to fresh air.

IF SWALLOWED:
Drink promptly large quantities of milk, egg whites, gelatin solution; or if these are not available drink large quantities of water. Avoid alcohol. Call a physician immediately. Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

OTHER FIRST AID:
NONE

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

Hazardous to humans and domestic animals. Keep out of reach of children. Corrosive. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Avoid contamination of food. Do not store on side. Avoid creasing or impacting side walls. For sale, for use and storage by maintenance personnel only.

ADDITIONAL EXPOSURE LIMITS

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>VALUE</th>
<th>UNIT</th>
<th>TYPE</th>
<th>AUTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>1900</td>
<td>mg/m³</td>
<td>TWA</td>
<td>ACGIH</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>1000</td>
<td>ppm</td>
<td>TWA</td>
<td>OSHA</td>
</tr>
<tr>
<td>Ethyl alcohol</td>
<td>1900</td>
<td>mg/m³</td>
<td>TWA</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: Liquid may be corrosive to the eyes.

SKIN CONTACT: Liquid may be absorbed through the skin to cause toxic effects. May be corrosive to the skin.

INHALATION: None expected.

INGESTION: May be corrosive to the gastrointestinal tract. May cause circulatory shock, respiratory depression, and convulsions.

SECTION CHANGE DATES

HEADING       SECTION CHANGED SINCE MAY 21, 1987 ISSUE
INGREDIENTS   SECTION CHANGED SINCE MAY 21, 1987 ISSUE

Abbreviations:  N/D - Not Determined  N/A - Not Applicable

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