**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

Company Name, Address: Franklin Cleaning Technology - P.O. Box 214 - Great Bend, KS 67530

Product Name: De-fense  
Product Number: F1350

Chemical Family: Aqueous emulsion of polymers.

EPA Reg. No.: N/A  
Emergency Telephone No.: (620) 792-1711

Preparer: R McPherson  
Date: 04/11/12  
Signature:

**SECTION 2 - HAZARDS IDENTIFICATION**

Emergency Overview:
May cause eye and skin irritation.

<table>
<thead>
<tr>
<th>Route(s) of entry:</th>
<th>Inhalation</th>
<th>Skin</th>
<th>Eye</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Health Hazard Carcinogen</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irritant</td>
<td>Corrosive</td>
<td>Toxic</td>
<td>Highly Toxic</td>
<td>Sensitizer</td>
</tr>
</tbody>
</table>

TARGET ORGANS

- Lungs x
- Heart
- Kidney
- Eyes x
- Skin x
- Blood
- Prostate
- Mucous Membranes x
- Central Nervous System
- Cardiovascular System
- Autonomic Nervous System
- Respiratory System

Potential Health Effects:
May cause eye and skin irritation.

Medical Conditions Generally Aggravated by Exposure:
None known

Carcinogenicity: None Known x

**SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS#</th>
<th>OSHA TWA</th>
<th>ACGIH TWA</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Diethylene glycol ethyl ether</strong></td>
<td>111-90-0</td>
<td>NE</td>
<td>NE</td>
<td>&lt;4</td>
</tr>
<tr>
<td><em>Tributoxylethyl phosphate</em></td>
<td>78-51-3</td>
<td>NE</td>
<td>NE</td>
<td>&lt;2</td>
</tr>
<tr>
<td><em>Acrylate Copolymer</em></td>
<td>25987-66-0</td>
<td>NE</td>
<td>NE</td>
<td>12</td>
</tr>
<tr>
<td><em>Ethylene Copolymer</em></td>
<td>67892-91-5</td>
<td>NE</td>
<td>NE</td>
<td>&lt;3</td>
</tr>
<tr>
<td><em>Water</em></td>
<td>7732-18-5</td>
<td>NE</td>
<td>NE</td>
<td>&gt;50</td>
</tr>
<tr>
<td><em>Styrene acrylic copolymers,</em></td>
<td>Mixture</td>
<td>NE</td>
<td>NE</td>
<td>&lt;3</td>
</tr>
</tbody>
</table>

**SECTION 4 - FIRST AID MEASURES**

Emergency and First Aid Procedures:
In case of contact with eyes or skin, rinse thoroughly with water for 15 minutes. Call a physician if irritation persists. If swallowed, call a physician or Poison Control Center. If inhaled, remove to fresh air. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**SECTION 5 - FIRE FIGHTING MEASURES**

Flash Point (Method): None  
Autoignition Temperature:

| NFPA Hazard Classification: FIRE: | 0 | Health: | 1 | Reactivity: | 0 |

Extinguishing Media: N/A

Special Fire Fighting Procedures: None

Unusual Fire and Explosion Hazards:

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Steps to be taken in case material is released or spilled:
Small Spill: Mop up with detergent, rinse with water. Large Spill: Mop up, absorb with an inert absorbent, dike or turn container over as applicable.
SECTION 7 - HANDLING AND STORAGE

Store at 40 - 90°F. Keep from freezing. Read and follow label use directions. KEEP OUT OF REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Special: 
Local Exhaust: Mechanical: Recommended
Respiratory Protection: None required.
Protective Gloves: Optional Eye Protection: Recommended

Other Protective Clothing and Equipment: None required

SECTION 9 - PHYSICAL AND CHEMICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Physical Hazards</th>
<th>Flammable Gas</th>
<th>Flammable Liquid/Solid</th>
<th>Explosive</th>
<th>Water Reactive</th>
<th>Oxidizer</th>
<th>Organic Peroxide</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Physical Hazards</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combustible</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compressed Gas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Boiling Point, °F: 212 Flammable Gas
Vapor Pressure: Unknown Flammable Aerosol
Specific Gravity (water = 1): 1.027 Explosive
Vapor Density: N/A Pyrophoric
% Volatiles by Weight: 83 Unstable - Reactive: Oxidizer
Evaporation Rate: 1 Organic Peroxide

Appearance and Odor: White opaque thin liquid with characteristic odor

SECTION 10 - STABILITY AND REACTIVITY

Stability: Unstable Stable: x

Incompatibility: Do not mix with any other material.
(Materials to Avoid)

Hazardous Decomposition Products: None

Hazardous Polymerization: May Occur: x Will Not Occur: N/A

Conditions to Avoid: N/A

SECTION 11 - TOXICOLOGICAL INFORMATION

NE

SECTION 12 - ECOLOGICAL INFORMATION

NE

SECTION 13 - DISPOSAL CONSIDERATIONS

Small Amount: Dispose in trash container. Large Amount: Dispose in accordance with Local, State, and Federal regulations.

Potential EPA Hazardous Waste Code(s): N/A

SECTION 14 - TRANSPORT INFORMATION

DOT Proper Shipping Name and Number: Not regulated

SECTION 15 - REGULATORY INFORMATION

**This product contains one or more toxic 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. See the Hazardous Components in Section II.

*Added to comply with the Pennsylvania Worker Right to Know Act of 1984 & the New Jersey Worker & Community Right to Know Act of 1983. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

SECTION 16 - OTHER INFORMATION

None

NE = Not Established N/A = Not Applicable