Material Safety Data Sheet

IDENTITY (As Used on Label and List)
Castex Medi Fresh 1811

Section I
Manufactured for:
Castex Industries, Inc.
Address (Number, Street, City, State, and ZIP Code)
4240 Blue Star Hwy.
Holland, MI 49423

Emergency Telephone Number
312-523-8320

Telephone Number for Information
312-523-8320

Date Prepared
June 23, 1988

Signature of Preparer (optional)

Section II—Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Component</th>
<th>CAS No.</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Alcohol</td>
<td>64-17-5</td>
<td>1000 ppm</td>
<td></td>
<td></td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Quaternary Ammonium Chlorides</td>
<td>Unknown</td>
<td></td>
<td></td>
<td></td>
<td>&lt; 5%</td>
</tr>
</tbody>
</table>

Section III—Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>212°F</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.04</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Melting Point</td>
<td>n.a.</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>100%</td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Clear thin liquid, neutral odor.</td>
</tr>
</tbody>
</table>

Section IV—Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (Method Used)</td>
<td>None</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>n.a.</td>
</tr>
<tr>
<td>LEL n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>UEL n.a.</td>
<td>n.a.</td>
</tr>
<tr>
<td>Extinguising Media</td>
<td>n.a.</td>
</tr>
<tr>
<td>Special Fire Fighting Procedures</td>
<td>n.a.</td>
</tr>
<tr>
<td>Unusual Fire and Explosion Hazards</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

OSHA 174, Sept. 1985
# Section V—Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Unstable</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid): Anionics

Hazardous Decomposition or By-products: None

Hazardous Polymerization:
- May Occur
  - Conditions to Avoid
- Will Not Occur
  - X

# Section VI—Health Hazard Data

**Routes of Entry**
- Eyes
  - Inhalation?
- Skin?
- Ingestion?

Health Hazards (Acute and Chronic): Corrosive to eyes and skin. Harmful if swallowed.

Carcinogenicity: None

NIP? IARC Monographs? OSHA Regulated?

**Signs and Symptoms of Exposure**
Eyes and skin: burning. Ingestion: gastro intestinal irritation.

**Medical Conditions Generally Aggravated by Exposure**
Unknown

**Emergency and First Aid Procedures**
Eyes and skin: flush with water for 10 minutes. Ingestion: give quantities of milk, egg whites, gelatin solution. Avoid alcohol. In either case, call physician.

# Section VII—Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: Absorb on clay or rugs.

**Waste Disposal Method**
Sanitary land fill approved for pesticides. Check with Federal, Local and State regulations.

Precautions to Be Taken in Handling and Storing: AVOID DIRECT CONTACT. Do not contaminate food or clothing.

Other Precautions: Keep out of the reach of children.

# Section VIII—Control Measures

**Respiratory Protection (Specific Type):** None

**Ventilation**
- Local Exhaust: n.a.
- Mechanical (General): n.a.

**Protective Gloves**
- Required

**Eye Protection**
- Required

**Other Protective Clothing or Equipment**
None

**Work/Hygiene Practices**
Observe personal hygiene.