# MATERIAL SAFETY DATA SHEET
(Prepared According to 29 CFR 1910.1200)

Date Prepared

## SECTION 1 - PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Distributor Name</th>
<th>PALMER COMPANY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Telephone No.</td>
<td>1-414-547-2246</td>
</tr>
<tr>
<td>Address</td>
<td>1201 Sentry Drive Waukesha, WI 53186</td>
</tr>
<tr>
<td>Trade Name</td>
<td>Hi-Foam Cleaner</td>
</tr>
<tr>
<td>Chemical Family</td>
<td>N/A</td>
</tr>
<tr>
<td>Product Type</td>
<td>Compounded Product</td>
</tr>
</tbody>
</table>

## SECTION 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CHEMICAL NAME/COMMON NAME</th>
<th>CAS NO.</th>
<th>PERCENT (optional)</th>
<th>TLV (Source)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Hydroxide</td>
<td>1310-73-2</td>
<td>&lt;5%</td>
<td>2mg/M^3 (ACGIH)</td>
</tr>
</tbody>
</table>

## SECTION 3 - PHYSICAL DATA

<table>
<thead>
<tr>
<th>Boiling Point (°F)</th>
<th>212°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific Gravity (H₂O = 1.0)</td>
<td>1.090 +0.005</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Unknown</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
</tr>
<tr>
<td>Insoluble</td>
<td></td>
</tr>
<tr>
<td>Emulsifiable (or dispersible)</td>
<td></td>
</tr>
<tr>
<td>Slight (or partial)</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate (vs H₂O)</td>
<td>Faster</td>
</tr>
<tr>
<td>Slower</td>
<td></td>
</tr>
<tr>
<td>Appearance and Odor</td>
<td>Colorless Liquid with No Distinct Odor</td>
</tr>
</tbody>
</table>

## SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>Flash Point (T.C.C.)</th>
<th>&gt;200°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extinguishing Media</td>
<td>No special requirements</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>

## SECTION 5 - REACTIVE DATA

<table>
<thead>
<tr>
<th>Stability</th>
<th>Incompatibility</th>
<th>Hazardous Decomposition Products</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stable</td>
<td>Acids/Oxidizers</td>
<td>None</td>
</tr>
</tbody>
</table>

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*Note: The document contains additional text and handwritten notes, but they are not fully legible.*
SECTION 6 - HEALTH HAZARDS

Threshold Limit Value - Product (See Section 2 for Ingredient TLV) ☒ None Established ☐ Not Applicable Source

Primary Routes of Exposure ☐ Eye ☒ Skin ☐ Oral ☐ Inhalation ☐ Other

Signs and Symptoms of Over-exposure (Acute) Product is a severe skin and eye irritant. Ingestion can cause serious damage to the mouth, esophagus and stomach.

Signs and Symptoms of Over-exposure (Chronic) Inhalation of mists can cause damage to upper respiratory tract and lung tissue. Effects can range from mild irritation of mucous membranes to pneumonitis

Medical Conditions Aggravated by Over-exposure N/A

Carcinogen or Suspect Carcinogen Ingredients: ☐ NTP ☐ IARC ☐ OSHA ☒ None

SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES

Eyes Flush with water for at least 15 minutes and call a physician.

Skin Wash with large amounts of soap and water. If irritation persists, consult a physician.

Ingestion Do not induce vomiting. Dilute by drinking water. Call a physician immediately.

Inhalation Remove to fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered, if available. Call a physician. Never give anything by mouth to an unconscious person.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiratory Protection None required

Ventilation Requirements ☒ Local Exhaust ☐ Mechanical ☒ Other

Protective Gloves Rubber/PVC Eye Protection Safety glasses/goggles

Other Protective Clothing Normal work clothing covering arms and legs, safety apron

SECTION 9 - SPILL OR LEAK PROCEDURES

Steps to be Taken if Released or Spilled Stop spill at source. Dilute spill with large amounts of water and neutralize with dilute acid. Mop, shovel, pump and/or absorb with inert material and place in sound containers. Rinse remaining residue with excess water.

Waste Disposal Methods Neutralized material may be drained to sewer.

SECTION 10 - STORAGE AND HANDLING INFORMATION

Precautions to be Taken in Handling and Storage

WARNING: Corrosive Liquid. Handle all containers carefully.