**Safety Data Sheet**

**Section 1: Identification**

Name: TMA - ALL TEMP / MECHANICAL DISH DETERGENT  
Other Name: N/A  
Recommended Use: Ware washing  
Supplier Information: Technical Marketing Alliance 2335 Buttermilk Crossing Crescent Springs, KY 41017  
Emergency Telephone: 800-424-9300

Date Issued: 4-16-13  
TMA Code: TM10822

**Section 2: Hazard(s) Identification**

**Potential Health Effects**

**Acute Effects:**
Eye: Direct contact will cause chemical burns to eyes  
Skin: Will cause and chemical burns  
Inhalation: Odors are irritating to eyes, nose and mucous membranes  
Ingestion: Ingestion will cause damage to mucous membranes

**Prolonged/Repeated Exposure Effects:**
Eye: Similar to effects from acute exposure  
Skin: Similar to effects from acute exposure except for expected damage to secondary tissue  
Inhalation: Similar to acute exposure  
Ingestion: Similar to acute exposure

**The above listed potential effects are compiled based on a review of all component SDS's**

**Section 3: Composition Information on Ingredients**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Chemical Name</th>
<th>% by Vol</th>
<th>RQ#</th>
<th>OSHA</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>1310-58-3</td>
<td>Potassium Hydroxide</td>
<td>13-18</td>
<td>1000</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>7758-29-4</td>
<td>Sodium Tripolyphosphate</td>
<td>3-8</td>
<td>5000lbs</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
<tr>
<td>7681-52-9</td>
<td>Sodium Hypochlorite</td>
<td>&lt;5</td>
<td>100</td>
<td>No Data</td>
<td>No Data</td>
<td>No Data</td>
</tr>
</tbody>
</table>

**%Phosphorus in product: 1.5%**

**Components listed above are hazardous as defined in 29 CFR 1910.1200. Their quantities are proprietary. All remaining components are considered non-hazardous and proprietary in their quantities**

**Section 4: First Aid Measures**

Eye: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation persists.  
Skin: Flush affected area with large quantities of water for at least 15 minutes. Obtain medical attention if irritation persists.  
Inhalation: If symptoms are experienced, remove victim to fresh air. Obtain medical attention if irritation persists.  
Ingestion: Obtain medical attention.

**Section 5: Fire Fighting Measures**

Flash Point: N/A  
Auto ignition Temperature: Not Determined  
Flammability Limits: N/A  
Extinguishing Media: Select extinguisher suitable for surrounding fire  
Unusual Fire Hazards: N/A

**Section 6: Accidental Release Measures**

Containment and Clean up: Observe all personal protective equipment noted in sections 5 and 8. Observe local, state, and federal laws and regulations that may apply to a release and disposal of this material.

**Section 7: Handling and Storage**

Store containers in an upright position. Ensure container lids are in place and secure when not in use.

**Section 8: Exposure Controls**

<table>
<thead>
<tr>
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</tbody>
</table>
Engineering Controls: Use with adequate ventilation

PPE for Routine Handling and Spills: Wear safety glasses and chemical resistant gloves.
Eyes: Safety glasses recommended
Skin: Chemical protective gloves are recommended
Inhalation: No respiratory protection required w/ adequate ventilation

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical Form: Liquid</th>
<th>Odor: Slight Nil</th>
<th>Freezing/Melting Point: N/D</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color: Slight Straw Color</td>
<td>Specific Gravity: &gt;1</td>
<td>pH: Very Alkaline</td>
</tr>
<tr>
<td>Boiling Point: N/D</td>
<td>Viscosity: N/D</td>
<td>Vapor Density: N/D</td>
</tr>
<tr>
<td>Vapor Pressure: N/D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Will not Occur
Conditions to Avoid: N/A
Materials to Avoid: N/A
Hazardous Decomposition Products: N/A

Section 11: Toxicological Information

Special Hazard Information on Components: No known applicable information
Listed on NTP Report? No
Listed on IARC (Suspected Carcinogen)? No

Section 12: Ecological Information

Exotoxicity: N/D
Bio accumulative Potential: N/D
Persistence and Degradability: Similar to water
Mobility in Soil? N/D

Section 13: Disposal Considerations

Review all federal, state and local laws regarding disposal of this product.

Section 14: Transportation Information

UN 1760, Corrosive Liquid, N.O.S., Class 8, PG II (Contains Potassium Hydroxide, Sodium Hypochlorite)

Section 15: Regulatory Information

TSCA Status: Potassium Hydroxide, Sodium Tripolyphosphate and Sodium Hypochlorite, which are in this product are subject to the Toxic Substances Control Act (TSCA) section 12(b) export notification requirements delineated at 40 CFR part 707, subpart D.
EPA SARA Title III Chemical Listings: N/A
CERCLA Hazardous Substances: Potassium Hydroxide, Sodium Tripolyphosphate, Sodium Hypochlorite
Section 311/312 Hazard Class: Yes Potassium Hydroxide, Sodium Tripolyphosphate, Sodium Hypochlorite
Section 313 Toxic Chemicals: N/A

Section 16: Other Information

Prepared by: J. Chantz Horman on 4/16/13. The industrial hygiene and safe handling procedures are believed to be applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.