

Safety Data Sheet

Section 1: Identification

Name: TMA - LIQUID MECHANICAL DISH DETERGENT E.R.P. Date Issued: 5-8-15
 Other Name: N/A TMA Code: TM108223 ER
 Recommended Use: As name implies

Supplier Information: Technical Marketing Alliance 2335 Buttermilk Crossing Crescent Springs, KY 41017

Emergency Telephone: 800-424-9300 Product Information: 859-727-7854

Section 2: Hazard(s) Identification

Potential Health Effects

Signal Word = Danger Label Elements:
 Hazard Category:
 Acute Oral Toxicity = 4 - Harmful if swallowed
 Acute Dermal Toxicity = 4 - Harmful in contact with skin
 Skin Corrosion/Irritation = 1A to 1C - Causes severe skin burns and eye damage
 Eye Damage/Irritation = 1 - Causes serious eye damage



Precautionary Statement:

Prevention = Do not breathe dusts or mists, wash thoroughly after handling, wear protective gloves, clothing, eye protection, face protection.

Response = If swallowed, rinse mouth, do not induce vomiting. Take off contaminated clothing and rinse skin with water. Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor. If in eyes, rinse cautiously with water for several minutes (remove contact lenses, if present and easy to do. Continue rinsing.

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

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

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

<u>CAS Number</u>	<u>Chemical Name</u>	<u>% by Vol</u>	<u>RQ#</u>	<u>OSHA</u>	<u>TWA</u>	<u>STEL</u>
1310-58-3	Potassium Hydroxide	<5	1000		No Data	No Data
1310-73-2	Sodium Hydroxide	<5	1000		2mg/m3	No Data

%Phosphorus in product: 0%

****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

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

Fire Fighting Methods: Use methods suitable for surrounding fire.

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				
<u>CAS Number</u>	<u>Chemical Name</u>	<u>OSHA</u>	<u>TWA</u>	<u>STEL</u>
1310-58-3	Potassium Hydroxide		No Data	No Data
1310-73-2	Sodium Hydroxide		2mg/m3	No Data
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				
Physical Form: Liquid	Odor: Nil	Freezing/Melting Point: N/D		
Color: Clear, Red	Specific Gravity: >1	pH: 11-11.3		
Boiling Point: N/D	Viscosity: N/D	Vapor Density: N/D		
Vapor Pressure: N/D				
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 Hydroxide)				
Section 15: Regulatory Information				
Contents of this SDS comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.				
TSCA Status: Sodium Hydroxide and Potassium Hydroxide, 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: Yes (Sodium Hydroxide, Potassium Hydroxide)				
Section 311/312 Hazard Class: Yes (Sodium Hydroxide, Potassium Hydroxide)				
Section 313 Toxic Chemicals: N/A				
Section 16: Other Information				
Prepared by: J. Chantz Horman on 5/8/15. 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.				