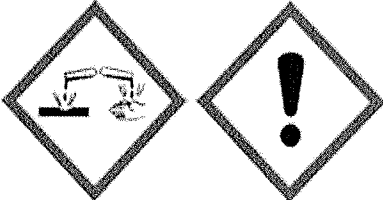


Safety Data Sheet						
Section 1: Identification						
Name: TMA - LSR / DELIMER			Date Issued: 4-19-15			
Other Name: N/A			TMA Code: TM108517			
Recommended Use: Remove lime scale						
Supplier Information: Technical Marketing Alliance 2335 Buttermilk Crossing Crescent Springs, KY 41017						
Emergency 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: Damage to eyes and mucous membranes						
Skin: Will cause acidic burns to skin						
Inhalation: Will cause irritation to mucous membranes						
Ingestion: Will cause damage to mucous membranes and tissue						
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>
7664-38-4	Phosphoric Acid 75%	27-32	5000		No Data	No Data
7647-01-0	Hydrochloric Acid	<5	5000		5ppm	No Data
%Phosphorus in product: 7.1%						
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			Fire Fighting Methods: Use methods suitable for surrounding fire.			
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				
<u>CAS Number</u>	<u>Chemical Name</u>	<u>OSHA</u>	<u>TWA</u>	<u>STEL</u>
7664-38-4	Phosphoric Acid 75%	27-32	No Data	No Data
7647-01-0	Hydrochloric Acid	<5	5ppm	No Data
Engineering Controls: Use with adequate ventilation				
PPE for Routine Handling and Spills: Wear chemical goggles, chemical resistant gloves, and chemical apron.				
Eyes: Safety glasses / Chemical Goggles recommended				
Skin: Chemical protective gloves are recommended				
Inhalation: Respiratory protection may be required, based on usage and atmospheric conditions. Use w/ adequate ventilation.				
Section 9: Physical and Chemical Properties				
Physical Form: Liquid	Odor: Characteristic Acid	Freezing/Melting Point: N/D		
Color: Clear Green	Specific Gravity: Heavier than H ₂ O	pH: Very Acidic		
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: Bases		
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 Phosphoric Acid, Hydrochloric Acid)				
Section 15: Regulatory Information				
Contents of this SDS comply with OSHA's Hazard Communication Standard 29 CFR 1910.1200.				
TSCA Status: Phosphoric Acid, Hydrochloric Acid, which are components listed on this SDS 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: Yes				
CERCLA Hazardous Substances: Yes (Phosphoric Acid, Hydrochloric Acid)				
Section 311/312 Hazard Class: Yes Hydrochloric Acid				
Section 313 Toxic Chemicals: Yes (Phosphoric Acid, Hydrochloric Acid)				
Section 16: Other Information				
Prepared by: J. Chantz Horman on 4/19/15. 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.				