

## Safety Data Sheet

### Section 1: Identification

Name: TMA - LSR / DELIMER	Date Issued: 4-21-13
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

Acute Effects:	Signs/Symptoms of Overexposure: Chemical Burns
Eye: Direct contact will cause burns	Medical Conditions Aggravated by Exposure: N/A
Skin: Direct contact will cause acidic burns	
Inhalation: Will cause irritation to mucous membranes	
Ingestion: Will cause damage to tissue	

#### 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

CAS Number	Chemical Name	% by Vol	RQ#	OSHA	TWA	STEL
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

CAS Number	Chemical Name	OSHA	TWA	STEL
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
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Color: Clear Green	Specific Gravity: Heavier than H <sub>2</sub> O	pH: Very Acidic
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Boiling Point: N/D	Viscosity: N/D	Vapor Density: N/D
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Vapor Pressure: N/D

### Section 10: Stability and Reactivity

Chemical Stability: Stable	Hazardous Polymerization: Will not Occur	Conditions to Avoid: Bases
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Materials to Avoid: N/A	Hazardous Decomposition Products: N/A
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### 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
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Persistence and Degradability: Similar to water	Mobility in Soil? N/D
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### 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 4/21/12. 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.