

## 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  
 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

Label Elements:



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

| 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**

| <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 <sub>2</sub> 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.