1. PRODUCT DATA
Product Name: Architectural & Specialty Masonry Cleaner
Producer: Diedrich Technologies, A Hohmann & Barnard Company, 310 Wayto Road, Schenectady, NY 12303
Company Contact: Ken Eglin
Telephone: 800-283-3888
24-Hour Emergency Contact: CHEMTREC 800-424-9300
This product is manufactured for Commercial/Industrial use. Not recommended for: Household use.

2. HAZARDS IDENTIFICATION
GHS Ratings:
Skin corrosive: 1A
Destruction of dermal tissue: Exposure < 3 min.
Observation < 1 hour, visible necrosis in at least one animal.
Eye corrosive: 1
Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Respiratory sensitizer: 1
Respiratory sensitizer
Reproductive toxin: 2
Human or animal evidence possibly with other information.

GHS Hazards
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled
361 Suspected of damaging fertility or the unborn child

GHS Precautions
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P260 Do not breathe dust/fume/gas/mist/vapors/spray
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P281 Use personal protective equipment as required

P285 In case of inadequate ventilation wear respiratory protection
P310 Immediately call a POISON CENTER or doctor/physician
P321 Specific treatment (see Section 4)
P363 Wash contaminated clothing before reuse
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313 IF exposed or concerned: Get medical advice/attention
P342+P311 Call a POISON CENTER or doctor/physician
P405 Store locked up
P501 Dispose of contents/container to local, state and federal regulations

Danger

Hazard Not Otherwise Classified: None
6. ACCIDENTAL RELEASE MEASURES

Isolate the area and contain the spilled material. Persons not wearing the appropriate PPE should be removed from the area until the spill is cleaned up. Stop leak if you can do it without risk, stay upwind, and avoid run off to waterways and sewers.

**SMALL SPILLS**: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

**LARGE SPILLS**: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

**ACID SPILLS**: Neutralize with Soda Ash (Sodium Carbonate), Hydrated Lime (Calcium Hydroxide), or Baking Soda (Sodium Bicarbonate). Cautiously neutralize remainder. Then wash away with plenty of water.

7. HANDLING AND STORAGE

**Handling Precautions**: Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

**Storage**: Prevent from freezing. Store at room temperatures, i.e., 40° to 95°F (4° to 35°C)

Regulatory Requirements: No data found

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name/ CAS No.</th>
<th>OSHA Exposure Limits</th>
<th>ACGIH Exposure Limits</th>
<th>Other Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid 7664-38-2 15 percent</td>
<td>1 mg/m³ TWA</td>
<td>3 mg/m³ STEL 1 mg/m³ TWA</td>
<td>NIOSH: 1 mg/m³ TWA 3 mg/m³ STEL</td>
</tr>
<tr>
<td>Hydrochloric Acid 7647-01-0 5 percent</td>
<td>2 ppm Ceiling</td>
<td></td>
<td>NIOSH: 5 ppm Ceiling; 7 mg/m³ Ceiling</td>
</tr>
</tbody>
</table>

**Engineering controls**: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.
Ventilation Control: Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

Administrative controls: No data found.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1910.132), employers must perform a hazard assessment of all workplaces to determine the need for proper protective equipment for each employee.

Eye Protection: Normal industrial eye protection practices should be employed.

Skin Protection: In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory: If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Equipment: Dispose of the waste in compliance with federal, state, regional, and local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES
Melting point: Not Determined
Freezing point: Not Determined
Solubility: Complete
Boiling range: 85°C
Flash point: 999°C, 999°F
Evaporation rate: Not Determined
Flammability (UEL & LEL): N/A
Appearance: Clear, Colorless
Odor: Mild
Physical State: Liquid
Vapor Pressure: Not Determined
Odor threshold: Not Determined
Vapor Density: Not Determined
pH: Strong Acid <1
Explosive Limits: 0%
Partition coefficient (n-octanol/water): Not Determined
Autoignition temperature: N/A
Decomposition temperature: Not Determined
Viscosity: Not Determined
Density: 1.109022854
Weight Per Gallon: 8.5 lbs

10. STABILITY AND REACTIVITY
Stability: STABLE
Incompatibilities: Avoid contact with strong bases.

Hazardous Decomposition Products: Note: these are all possible decomposition products based on molecular structure of components.
- Hydrogen Chloride, Chlorine, or Oxides of Chlorine
- Oxides of Phosphorus

Hazardous Polymerization: will not occur.

11. TOXICOLOGICAL INFORMATION
Mixture Toxicity:
Inhalation Toxicity: 69.28mg/L

Component Toxicity
7664-38-2 Phosphoric acid
  Oral: 1,530.00 mg/kg (Rat)
  Dermal: 2,730.00 mg/kg (Rabbit)

Routes of entry: No data found.
Target Organs: Eyes, Skin, Respiratory System.
Effects of Overexposure: No data found.

12. ECOLOGICAL INFORMATION
Ecotoxicity: No data found.

13. DISPOSAL
Refer to the latest federal, state, and local regulations.

14. TRANSPORTATION INFORMATION
The following is for US DOT Highway transportation. Other modes/jurisdictions may have different classifications.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packaging Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>Corrosive Liquid NOS</td>
<td>UN1760</td>
<td>II</td>
<td>8</td>
</tr>
</tbody>
</table>

15 - REGULATORY INFORMATION
This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below

US DOT List of Marine Pollutants (172.101 - Appendix B): None

- 7647-01-0 Hydrochloric Acid 5%
- 7664-38-2 Phosphoric acid 15 %
US DOT List of Severe Marine Pollutants (172.101 - Appendix B): None

SARA Section 302 Extremely Hazardous Substances (40 CFR 355): 7647-01-0 Hydrochloric Acid 5%

Sara Section 302 Threshold Planning Quantity:
7647-01-0 Hydrochloric Acid 5%

SARA Section 313, Toxic Chemicals (40 CFR 372.65):
7647-01-0 Hydrochloric Acid 5%
7664-38-2 Phosphoric acid 15%

SARA Reportable Quantity:
7647-01-0 Hydrochloric Acid 5%
7664-38-2 Phosphoric acid 15%

Toxic Substances Control Act (TSCA): All components are listed or exempt from the Toxic Substances Control Act

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.
7647-01-0 Hydrochloric Acid 5%

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16. OTHER INFORMATION
Date of Preparation: July 1st, 2016
Revision Date: March 16th, 2017

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

Health  3
Flammability  0
Physical Hazard  1
Personal Protection  0

HMIS & NFPA Hazard Rating Legend
* = CHRONIC HEALTH HAZARD
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

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LEGEND

0 = LEAST  1 = SLIGHT  2 = MODERATE  3 = HIGH  4 = EXTREME
N.D. = NOT DETERMINED  N.A. = NOT AVAILABLE  N/A = NOT APPLICABLE

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