

310 Wayto Road | Schenectady, NY 12303 ● TEL: 800-283-3888 | FAX: 518-357-9636  
EMAIL: moreinfo@sandellmfg.com | www.diedrichtechnologies.com

# ARCHITECTURAL & SPECIALTY MASONRY CLEANER

## 1. PRODUCT DATA

**Date of Preparation:** March 1, 2015

**Product Name:** Architectural & Specialty Masonry Cleaner

**Producer:** Diedrich Technologies, A Hohmann & Barnard Company, 310 Wayto Road, Schenectady, NY 12303

**Company Contact:** Mike 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  $\geq 3$ , 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

**H361** 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 skin 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 according to local regulation

### Danger



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### 3. COMPOSITION

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

### 4. FIRST AID MEASURES

**Inhalation:** Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

**Skin Contact:** In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

**Ingestion:** If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

**Notes to Physician:** No data found.

### SECTION 5 - FIRE FIGHTING MEASURES

**Flammable Limits:** LEL: N/A UEL: N/A

**Flash Point:** No data available.

**Extinguishing Media:** Use extinguishing agent suitable for type of surrounding fire.

**Unusual Fire or Explosion Hazards:** No data available.

**Hazardous Combustion Products:** See Section 10 for a list of hazardous decomposition products for this mixture.

**Fire Fighting:** If evacuation of personnel is necessary, evacuate to an upwind area. Decontaminate personnel and equipment with a water wash-down after fire and smoke exposure.

**Fire Fighting:** Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

### 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 saleable 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

Chemical Name/ CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Phosphoric acid 7664-38-2	1 mg/m3 TWA	3 mg/m3 STEL 1 mg/m3 TWA	NIOSH: 1 mg/m3 TWA 3 mg/m3 STEL
Hydrochloric Acid 7647-01-0		2 ppm Ceiling	NIOSH: 5 ppm Ceiling; 7 mg/m3 Ceiling

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.

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**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:** Not Determined

**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

## 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

CAS Number	Description	% Weight	Carcinogen Rating
None			No Data Found

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available for this product.

## 13. DISPOSAL

**Disposal Instructions:** Refer to the latest federal, state, and local regulations regarding proper disposal.

## 14. TRANSPORTATION INFORMATION

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

Agency	Proper Shipping Name	UN Number	Packaging Group	Hazard Class
US DOT	Corrosive Liquid NOS. (Phosphoric Acid Glycolic Acid)	UN1760	II	8

## 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

**US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A):**

7647-01-0 Hydrochloric Acid 5%

7664-38-2 Phosphoric acid 15%

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

**EU RISK PHRASES**

**Toxic Substances Control Act (TSCA):** All components are listed or exempt from the Toxic Substances Control Act except those listed below.  
- None

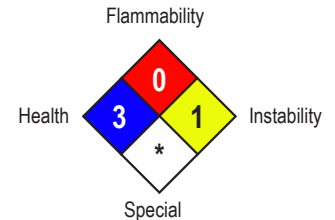
**Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA):** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.  
7647-01-0 Hydrochloric Acid 5.0%

**16. OTHER INFORMATION**

Hazardous Material Information System (HMIS)

Health	3
Flammability	0
Physical Hazard	1
Personal Protection	D

National Fire Protection Association (NFPA)



HMIS & NFPA Hazard Rating Legend

- \* = CHRONIC HEALTH HAZARD
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH

**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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**Hohmann & Barnard, Inc.**  
30 Rasons Court | Hauppauge, NY 11788  
TEL: 800-645-0616 | FAX: 631-234-0683  
EMAIL: weanchor@h-b.com | www.h-b.com