

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

## 980 GROUT & TILE CLEANER

### 1. PRODUCT DATA

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

**Product Name:** 980 Grout & Tile 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:

**Oral Toxicity:** Acute 3

**Dermal Toxicity:** Acute 3

**Skin Corrosion:** 1

**Serious Eye Damage:** 1

**Inhalation Toxicity:** Acute 3

#### GHS Hazards:

**H301** Toxic if swallowed

**H311** Toxic in contact with skin

**H314** Causes severe skin burns and eye damage

**H318** Causes serious eye damage

**H331** Toxic if inhaled

#### GHS Precautions

**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

**P270** Do not eat, drink or smoke when using this product

**P271** Use only outdoors or in a well-ventilated area

**P280** Wear protective gloves/protective clothing/eye protection/face protection

**P310** Immediately call a POISON CENTER or doctor/physician

**P311** Call a POISON CENTER or doctor/physician

**P312** Call a POISON CENTER or doctor/physician if you feel unwell

**P321** Specific treatment (see section 4)

**P322** Specific measures (see section 4)

**P330** Rinse mouth

**P361** Remove/Take off immediately all contaminated clothing

**P363** Wash contaminated clothing before reuse

**P301+P310**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

**P302+P352**

IF ON SKIN: wash with plenty of soap and water

**P304+P340**

IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing

**P301+P330+P331**

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

**P303+P361+PP353**

IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower

**P305+P351+P338**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**P405** Store locked up.

**P403+P233**

Store in a well-ventilated place. Keep container tightly closed

**P501** Dispose of contents/container according to local regulations

#### Danger



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### 3. COMPOSITION

Chemical Name/ CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Phosphoric Acid 766-38-2	1 mg/m3 TWA	3 mg/m3 STEL 1 mg/m3 TWA	NIOSH: 1 mg/m3 TWA 3 mg/m3 STEL

Specific chemical identity and percentage content of ingredients withheld as trade secret pursuant to Massachusetts regulations. Reporting requirements of section 313 title III of the superfund amendments and reauthorization act of 1986 and 10 CFR part 373 apply.

### 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. If unconscious, give artificial respiration. Immediately consult a physician.

**Eye Contact:** Flush eyes with lids open for at least 15 minutes. Get medical attention immediately.

**Skin Contact:** Flush effected area with copious amounts of water, remove contaminated shoes and clothing. Consult a physician.

**Ingestion:** If conscious, give 2 to 3 glasses of water.  
**Do not induce vomiting.** Consult a physician.

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

### 5. FIRE FIGHTING MEASURES

**Flammable Limits:** LEL & UEL: Not Determined

**Flash Point:** N.A.

**Extinguishing Media:** Water, dry chemical, CO2 for surrounding fire.

**Unusual Fire and Explosion Hazards:** Water added to the acid may cause generation of heat and or fumes. Under extreme fire conditions may give off oxides of carbon and phosphorous.

**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:** Use full-face, self-contained breathing apparatus and impervious protective clothing. Prevent any skin contact.

### 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:** Soak, wipe up and dispose of in approved waste containers.

**LARGE SPILLS:** Dike with absorbent material and carefully neutralize. Prevent un-neutralized material from entering drains, sewers, waterways or soil. Applicable government regulations regarding spill reporting handling and waste disposal must be complied with.

**Acid Spills:** neutralize with alkali, soda ash, lime or limestone. Adequate ventilation required if soda ash or limestone is used due to release of carbon dioxide gas. Prevent un-neutralized material from entering drains, sewers, waterways or soil.

### 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. Do not handle container without personal protection. Add cautiously to cool water to dilute (heat is evolved). **Do not cut puncture or weld on or near this container. Do not re-use container for any purpose until it has been commercially cleaned. Keep container closed when not in use.**

**Storage:** Freezes at about 32°F (0°C), and keep containers below 120°F (48°C). Do not store in metal container. Do not store in or pipe through anything metallic, use only polylined steel or approved plastic. Keep containers tightly sealed. Avoid open containers. Store away from incompatible material.

**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 766-38-2	1 mg/m3 TWA	3 mg/m3 STEL 1 mg/m3 TWA	NIOSH: 1 mg/m3 TWA 3 mg/m3 STEL

**Engineering controls:** Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after

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handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

**Ventilation Control:** Local Exhaust - Sufficient to maintain exposure to levels below permissible exposure limits. If mechanical exhaust is required it should be of the steel or plastic fan type.

**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.

**Protective Clothing:** Protect all body parts from contact by using full body chemical resistant suit with tight fitting cuffs and collar, rubber boots, and head protection. Wear Neoprene, butyl rubber, PVC, or polyethylene gloves as well as acid resistant boots and hardhat.

**Eye Protection:** Close fitting safety chemical goggles and full-face shield. **DO NOT WEAR CONTACT LENSES.**

**Skin Protection:** In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact. Apply Diedrich recommended skin barrier cream for additional protection.

**Respiratory:** Use NIOSH/MSHA approved dust/mist filter respirator for routine work purposes when exposure exceed the permissible exposure limits. The respirator use limitations made by NIOSH/MSHA or the manufacturer must be observed.

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Melting point:** No Data Found

**Freezing point:** Not Determined

**Solubility:** Complete

**Boiling range:** >100°F (37°C)

**Flash point:** N.A.

**Evaporation rate:** Not Determined

**Flammability:** No Data Found

**Appearance:** Clear Liquid

**Odor:** Faint Organic Odor

**Physical State:** Liquid

**Vapor Pressure:** Aprox. 17mmHg

**Odor threshold:** Not Determined

**Vapor Density:** Not Determined

**Specific Gravity:** 1.15

**pH:** 1

**Explosive Limits:** No Data Found

**% Volatile (by weight):** Not Determined

**Partition coefficient (n-Octanol/water):** Not Determined

**Autoignition temperature:** No Data Found

**Decomposition Temperature:** No Data Found

**Viscosity:** Not Determined

**Density:** Not Determined

**Volatile Organic Components:** N/A

## 10. STABILITY AND REACTIVITY

**Stability:** STABLE

**Incompatibilities:** Alkalis, metals, organic materials, carbides and chlorates.

**Conditions To Avoid:** Extreme heat

**Hazardous Decomposition Products:** Extreme heat can cause the evolution of vapors and oxides of carbon and phosphorous. Hazardous Polymerization Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Routes of entry:** Inhalation, skin, eyes, ingestion.

**Target Organs:** Eyes, Skin, and Respiratory System

**Effects of Overexposure:**

ACUTE: Corrosive to all human tissue. Can cause severe burns to skin and eyes resulting in blindness.

CHRONIC: May lead to contact dermatitis, lung damage resulting in bronchitis, shortness of breath and emphysema

CAS Number	Description	% Weight	Carcinogen Rating
None			Not Listed

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data found.

## 13. DISPOSAL

Contaminated product and materials used in cleanup must be placed in approved containers and disposed of in accordance with federal, state and local regulations.

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**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 (Contains Phosphoric acid)	UN 1760	III	8

**15 - REGULATORY INFORMATION**

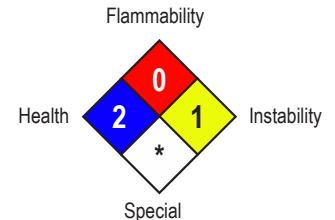
No Data Found

**16. OTHER INFORMATION**

Hazardous Material Information System (HMIS)

Health	2
Flammability	0
Physical Hazard	1
Personal Protection	C

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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