

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

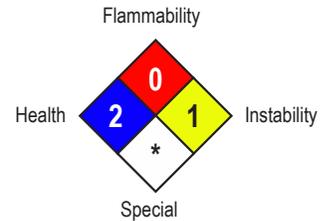
No Data Found

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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