



HYDRO GROUT

NEW &
IMPROVED

Tile, Grout & Ceramic Restorer

CERTIFIED PROFESSIONAL FLOOR CARE SYSTEM

“HYDRO GROUT” is a concentrated phosphoric acid based cleaner. It is formulated as a mild, non-etching tile and grout cleaner and degreaser. “HYDRO GROUT” can be safely used on porcelain, glazed ceramic and quarry tiles. It should never be used on marble, limestone or travertine. If uncertain, test in a small inconspicuous area before using.

DIRECTIONS

1. Dilute 1 gallon of “HYDRO GROUT” with 3 gallons of water.
2. Apply solution on the floor liberally.
3. After 5-15 minutes of dwell time, agitate the grout lines with a beveled grout brush then scrub surface tiles with a deck scrub brush. A nylon brush impregnated with 120 grit silicone carbide is recommended.
4. Rinse to the floor drain with a hose or pick up solution with an ACE wet vacuum. Flood rinse the floor a second time with hose or pick up solution with ACE wet vacuum.
5. Spray floor with a diluted solution of Z-110 alkaline cleaner to neutralize acidity then mop floor or pick up with ACE wet vacuum to remove residue. Dry the floor with ACE air movers for 24 hours or completely dry before applying Z-489 impregnator.

Contains Phosphoric Acid

For Use On:

Quarry Tile
Porcelain
Terrazzo
Concrete
Meatrooms
Delis
Cafeterias
Kitchens

PRODUCT SPECIFICATIONS

Active Ingredients:	17.0 ± 0.5%	Sequestration:	Excellent
Color:	Clear	Detergency:	Excellent
Odor:	None	Rinsability:	Excellent
Base:	Sequestering acids	Fumes:	None
pH:	1.0 - 1.5	Flash Point:	None (waterbased)
Viscosity:	Moderately viscous	Biodegradability:	Complete
Foam:	High	Storage/Stability:	2 years
Abrasives:	None	Weight per Gallon:	8.75 lbs./gal.
Solubility:	Complete with water	Freeze / Thaw Stability:	Keep from freezing



ACCREDITED CLEANING EXPERT



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Progressive Processes for the
Cleaning Industry since 1930.

Gem Supply

1312 W. Washington St.
Orlando, FL 32805
(800) 422-9886
www.gemsupply.net

SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

Product Name: Hydro Grout Generic Name: Quarry & Hard Tile Cleaner Chemical Family: Acid Detergent Blend Formula: Proprietary	Supplier's Name: Gem Supply Supplier's Address: 1312 W. Washington St. Orlando, FL 32805 Supplier's Phone #: (407) 849-6163
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SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Phosphoric Acid	7664-38-2	0 to 5	1mg/M ³	1mg/M ³	3mg/M ³
Citric Acid	77-92-9	5 to 10			
NonIonic Surfactant	9016-45-9	0 to 5			
Anionic Surfactant	27176-87-0	5 to 10			

SECTION 3-PHYSICAL DATA

Boiling Point (°F): 210 F.
Vapor Pressure: <20mm Hg @ 68 F.
% Volatile: 80+
Solubility in Water: Complete
Physical Description: Clear liquid with pleasant odor.

Specific Gravity: 1.078
Vapor Density (Air=1): >1
pH: 1.0-1.5
Evaporation Rate (Water=1): <1

SECTION 4-FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): N/A
Upper Explosion Limit: N/A
Lower Explosion Limit: N/A
Extinguishing Media: N/A
Special Firefighting Procedures: Non Flammable
Unusual Fire and Explosion Hazards: N/A

SECTION 5-REACTIVITY DATA

Stability: Stable
Hazards Decomposition Products: Phosphoric oxide vapors in a fire.

Hazardous Polymerization: None
Incompatibility (Materials to Avoid): Strong alkalis, Oxidizing agents, Chlorine Bleach.

SECTION 6-STORAGE AND HANDLING INFORMATION

WARNING Severe eye and skin irritant. Keep out of reach of children. For use by trained personnel only. Keep unauthorized personnel away when applying to floor. Keep container closed during storage. For institutional and industrial use only. Avoid contact with eyes, skin and clothing. Avoid breathing of vapors. Use in well-ventilated area.

SECTION 7-HEALTH HAZARDS AND FIRST AID

Effects of Overexposure:
Skin: Severe skin irritant. Prolonged or repeated contact can cause chemical burns or dermatitis.
Eyes: Severe eye irritant. Liquid and mists may burn or injure eyes, causing corneal damage.
Inhalation: May be irritating to mucous membranes of the nose, throat, and lungs.
Ingestion: Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.
First Aid Procedures:
Skin: Flush exposed area with large quantities of water. Seek medical attention if irritation persists.
Eyes: Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
Inhalation: Get to fresh air. Seek medical attention if irritation persists.
Ingestion: Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

SECTION 8-SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use in well-ventilated area.
Ventilation Requirements: Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
Protective Gloves: Acid proof rubber or neoprene.
Eye Protection: Safety glasses or chemical face shield.
Other Protective Equipment: Eyewash station, chemical resistant apron and protective footwear e.g., rubber boots should be worn.

SECTION 9-SPILL OR LEAK PROCEDURES

Steps to be taken in Case Material is Released or Spilled: Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. Avoid discharge to sewer or open waterways.
Waste Disposal Method: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

SECTION 10-REGULATORY INFORMATION

SARA Title III - Section 311/312 -Hazard Categories:
No - Fire Hazard
No - Sudden Release of Pressure Hazard
No - Reactivity Hazard
Yes - Immediate (acute) Health Hazard
No - Delayed (chronic) Health Hazard

Shipping Information:
FOR CONTAINERS < 1Gallon: Cleaning Compound LQ
FOR 1 GALLON CONTAINERS : Cleaning Compound LQ
FOR CONTAINERS > 1 GALLON : Compound, Cleaning Liquid (Phosphoric Acid Solution), 8, NA-1760, PGIII

HMIS Hazardous Materials Identification System

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
27176-87-0	Dodecylbenzene Sulfonic Acid	5 to 10

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product