

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

# 101G GRANITE, TERRA COTTA & BRICK CLEANER

## 1. PRODUCT DATA

**Product Name:** 101G Granite, Terra Cotta & Brick 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:

**Oral Toxicity:** Acute 3  
**Skin Corrosion:** 1  
**Eye Damage:** Serious 1  
**Inhalation Toxicity:** Acute 4

### GHS Hazards:

**H301** Toxic if swallowed  
**H314** Causes severe burns and eye damage  
**H318** Causes serious eye damage  
**H332** Harmful 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 are.  
**P280** Wear protective gloves/protective clothing/eye protection/face protection.  
**P310** Immediately call a POISON CENTER or doctor/physician.  
**P312** Call a POISON CENTER or a doctor/physician if you feel unwell.  
**P363** Wash contaminated clothing before reuse.  
**P301+310**  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

### P301+330+331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

### P303+361+353

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

### P304+340

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

### P305+351+338

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

### P405

Store locked up.

### P501

Dispose of contents/container to an approved waste disposal plant.

### Danger



**Hazards Not Otherwise Classified:** None

## 3. COMPOSITION

Chemical Name/CAS No.	Component %	OSHA PEL	ACGIH TLV
Hydrogen Fluoride 7664-39-3	< 15%	3.0 ppm	0.5 ppm
Phosphoric Acid 7664-38-2	< 5%	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

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#### 4. FIRST AID MEASURES

**Eyes:** Flush with water for 15 minutes. Seek immediate medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin:** Wash exposed areas with water and mild soap. Remove contaminated clothing immediately and launder before reuse. If irritations persist, seek immediate medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.

**Ingestion: DO NOT INDUCE VOMITING!** Immediately call a POISON CENTER or doctor/physician. Rinse mouth.

#### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, CO<sub>2</sub>, dry chemical.

**Special Procedures:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Unusual Hazards:** Not determined

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Keep unnecessary and unprotected personnel from entering. Put on appropriate personal protective equipment.

**Environmental Precautions:** Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

**Methods for Cleaning Up:** Mop up or absorb onto absorbent material and collect for disposal. Dispose of contents/container to an approved waste disposal plant.

#### 7. HANDLING AND STORAGE

**Handling Precautions:** Avoid contact with Strong alkalis & oxidizers. Handle in accordance with good industrial hygiene and safety practice. Wear protective gloves/protective clothing and eye/face protection. Do not eat, drink or smoke when using this product. Do not breath dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation. Wash face, hands, and any exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse.

**Storage:** Keep container tightly closed and store in a cool, dry and well ventilated place. Store locked up. **Keep out of reach of children.**

#### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name/CAS No.	OSHA PEL	ACGIH TLV
Hydrogen Fluoride 7664-39-3	3.0 ppm	0.5 ppm
Phosphoric Acid 7664-38-2	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

**Engineering controls:** Apply technical measures to comply with the occupational exposure limits: showers, eyewash, stations, ventilation systems.

**Monitoring:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse.

**Eye Protection:** Safety glasses with side shields or chemical goggles.

**Skin Protection:** Wear protective gloves and protective clothing.

**Respiratory:** None needed under normal use conditions with adequate ventilation. If the occupational exposure limits are exceeded, a NIOSH approved respirator with acid gas cartridges or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear liquid

**Odor:** Sharp Acid

**Odor Threshold:** Not determined

**pH@25°C:** < 1

**Melting/Freezing Point:** Not determined

**Flash Point:** Not determined

**Specific Gravity:** 1.09

**Solubility:** Complete

**Auto-Ignition Temperature:** Not determined

**Decomposition Temperature:** Not determined

**VOC Content:** Not determined

**Boiling Range:** >212°F

**Evaporation Point:** Not determined

**Flammable Limits (UEL & LEL):** Not determined

**Vapor Pressure:** 52 mmHg

**Vapor Density (Air=1):** Not determined

**Viscosity:** Not determined

**Weight Per Gallon:** 8.5 lbs

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**10. STABILITY AND REACTIVITY**

**Stability:** STABLE  
**Hazardous Polymerization:** Will not occur.  
**Polymerization Conditions to Avoid:** None.  
**Conditions to Avoid:** Strong alkalis, oxidizers, extreme temperatures. **Keep out of reach of children.**  
**Hazardous Decomposition:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

**11. TOXICOLOGICAL INFORMATION**

**Likely Routes of entry:** Contact and inhalation; ingestion possible.  
**Inhalation:** Do Not Inhale.  
**Eyes:** Will cause severe burns on contact and will damage the eyes.  
**Skin:** Causes severe burns  
**Ingestion:** Do not taste or swallow.

**Toxicity:**

Component	LD50	LC50
Hydrogen Fluoride	Not Established	Not Established
Phosphoric Acid	Oral - rat - 1530 mg/kg Dermal - rabbit - 2740 mg/kg	Inhalation - rat - 25.5 mg/m <sup>3</sup>

**Reproductive Effects:** Not Applicable  
**Teratogenicity:** Not Applicable  
**Mutagenicity:** Not Applicable  
**Embryo Toxicity:** Not Applicable  
**Sensitization to Product:** Not Applicable  
**Synergistic Products:** Not Applicable

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity:** The Product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Mobility:** Information not available.  
**Degradability:** Information not available.  
**BioAccumulation:** Information not available.

**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.

Agency	Proper Shipping Name	UN Number	Packaging Group	Hazard Class
US DOT	Corrosive Liquid, Toxic, NOS (Hydrochloric & Hydrofluoric Acid)	UN2922	II	8(6.1)

**15 - REGULATORY INFORMATION**

**TSCA Status:** The components of this product are listed on the TSCA Inventory.

**SARA Title III Section 302/304 Extremely Hazardous Substance:**

Chemical	Cas#	% by wt.	RQ (lbs.)	TPQ (lbs.)
Hydrogen fluoride	7664-39-3	<15%	N/A	100

**SARA Title III Section 311/312 Hazard Categorization:** N/A

**SARA Title III Section 313 Supplier Information:**

7664-39-3 Hydrogen Fluoride <15%  
 7664-38-2 Phosphoric Acid <5%

**CERCLA Section 102(a) Hazardous Substance:**

Chemical	Cas#	% by wt.	RQ (lbs.)
Phosphoric Acid	7647-38-2	<5%	5,000
Hydrogen fluoride	7664-39-3	<15%	100

**16. OTHER INFORMATION**

**Date of Preparation:** July 1st, 2016  
**Revision Date:** March 16th, 2017

**Hazardous Material Information System (HMIS)**

\* = CHRONIC HEALTH HAZARD

0 = INSIGNIFICANT  
 1 = SLIGHT  
 2 = MODERATE  
 3 = HIGH  
 4 = EXTREME

Health	4
Flammability	0
Physical Hazard	0
Personal Protection	<input type="checkbox"/>

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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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**DISCLAIMER:** While this company believes that the data contained herein are factual and the opinions expressed are based on tests and data believed to be reliable, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by this company as to the effects of such use, the results to be obtained, or the safety and toxicity of the product, nor does this company assume any liability arising out of use, by others, of the product referred to herein. Nor is this information herein to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or governmental regulations.

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