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 area.
- 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

<table>
<thead>
<tr>
<th>Chemical Name/CAS No.</th>
<th>Component %</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Fluoride 7664-39-3</td>
<td>&lt; 15%</td>
<td>3.0 ppm</td>
<td>0.5 ppm</td>
</tr>
<tr>
<td>Phosphoric Acid 7664-38-2</td>
<td>&lt; 5%</td>
<td>1 mg/m³</td>
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</tr>
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</table>

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.
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, CO₂, 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

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**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
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:

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50</th>
<th>LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Fluoride</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Phosphoric Acid</td>
<td>Oral - rat - 1530 mg/kg</td>
<td>Inhalation - rat - 25.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td>Dermal - rabbit - 2740 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Agency</th>
<th>Proper Shipping Name</th>
<th>UN Number</th>
<th>Packaging Group</th>
<th>Hazard Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>US DOT</td>
<td>Corrosive Liquid, Toxic, NOS (Hydrochloric &amp; Hydrofluoric Acid)</td>
<td>UN2922</td>
<td>II</td>
<td>8(6.1)</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Cas#</th>
<th>% by wt.</th>
<th>RQ (lbs.)</th>
<th>TPQ (lbs.)</th>
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</thead>
<tbody>
<tr>
<td>Hydrogen fluoride</td>
<td>7664-39-3</td>
<td>&lt;15%</td>
<td>N/A</td>
<td>100</td>
</tr>
</tbody>
</table>

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

SARA Title III Section 313 Supplier Information:

<table>
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CERCLA Section 102(a) Hazardous Substance:

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</tbody>
</table>

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: 0
SAFETY DATA SHEET

LEGEND

0 = LEAST  1 = SLIGHT  2 = MODERATE  3 = HIGH  4 = EXTREME
N.D. = NOT DETERMINED  N.A. = NOT AVAILABLE  N/A = NOT APPLICABLE

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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