

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

101 MASONRY RESTORER

1. PRODUCT DATA

Product Name: 101 Masonry Restorer
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
Serious Eye Damage: 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: N/A

3. COMPOSITION

Chemical Name/ CAS No.	Component%	OSHA PEL	ACGIH TLV
Hydrogen Chloride 7647-01-0	<20%	5 ppm	2 ppm
Hydrogen fluoride 7664-39-3	<20%	3.0 ppm	0.5 ppm

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, CO₂, dry chemical.

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

Unusual Fire Fighting 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 absorbant material and collect for disposal. Dispose of contents/container to an approved waste disposal plant.

7. HANDLING AND STORAGE

Handling & Safety: Avoid contact with strong alkalis and 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 Chloride 7647-01-0	5 ppm	2 ppm
Hydrogen Fluoride 7664-39-3	3.0 ppm	0.5 ppm

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 Protection: 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

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

Odor Threshold: Not Determined

Boiling Range: >212°F

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Evaporation Point: Not Determined
Flammable Limits: UEL & LEL - Not Determined
Vapor Pressue: 52mmHg
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 Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Contact and inhalation; ingestion possible
Inhalation: Do Not Inhale
Eye Contact: Will cause severe burns on contact and will damage the eyes
Skin Contact: Causes severe skin burns
Ingestion: Do Not taste or swallow

Toxicity:

Chemical	LD50	LC50
Hydrogen Chloride	Not Established	Not Established
Hydrogen Fluoride	Not Established	Not Established

Reproductive Effects: Not Applicable
Teratogenicity: Not Applicable
Mutagenicity: Not Applicable
Embryotoxicity: 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	<20%	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 <20%

CERCLA Section 102(a) Hazardous Substance:

Chemical	Cas#	% by wt.	RQ (lbs.)
Hydrogen Chloride	7647-01-0	<20%	5,000
Hydrogen fluoride	7664-39-3	<20%	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

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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