

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

GREEN CLEAN 250 MANUFACTURED STONE CLEANER

1. PRODUCT DATA

Date of Preparation: March 1, 2015

Product Name: Green Clean 250 Manufactured Stone 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:

Dermal Toxicity: Acute Tox. 1

Dermal <=50mg/kg

Skin corrosive: 1A

Destruction of dermal tissue: Exposure < 3 min.

Observation < 1 hour, visible necrosis in at least one animal

Eye corrosive: 1

Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5

Respiratory sensitizer: 1

Respiratory sensitizer

GHS Hazards

H310 Fatal in contact with skin

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

GHS Precautions

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P262 Do not get in eyes, on skin, or on clothing

P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves/protective clothing/eye protection/face protection

P285 In case of inadequate ventilation wear respiratory protection

P310 Immediately call a POISON CENTER or doctor/physician

P321 Specific treatment (see section 4)

P322 Specific measures (see section 5)

P361 Remove/Take off immediately all contaminated clothing

P363 Wash contaminated clothing before reuse

P301+P330+P331

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P350

IF ON SKIN: Gently wash with soap and water

P303+P361+P353

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

P304+P340

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

P304+P341

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing

P305+P351+P338

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

P342+P311

Call a POISON CENTER or doctor/physician

P405 Store locked up

P501 Dispose of contents/container according to local regulation

Danger



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3. COMPOSITION

| Chemical Name/ CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|--------------------------------------|--------------------------------|---------------------------|---|
| Acetic acid 64-19-7 37 percent | 10 ppm TWA; 25 mg/m3 TWA | 15 ppm STEL 10 ppm TWA | NIOSH: 10 ppm TWA; 25 mg/m3 TWA 15 ppm STEL; 37 mg/m3 STEL |

4. FIRST AID MEASURES

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, a trained individual should attempt to resuscitate while getting immediate medical aid.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.

Skin Contact: In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion: If conscious, give 2 to 3 glasses of water. Do not induce vomiting and seek medical attention immediately.

Notes to Physician: No data found.

5. FIRE FIGHTING MEASURES

Flammable Limits: LEL: N/A UEL: N/A

Flash Point: No data available.

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Unusual Fire or Explosion Hazards: No data available.

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: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

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: Prevent entry into waterways, sewers, basements or confined areas. Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal.

LARGE SPILLS: Prevent entry into waterways, sewers, basements or confined areas. Dike to collect large liquid spills, collect leaking liquid in sealable compatible containers.

ACID SPILLS: Neutralize with Soda Ash, (Sodium Carbonate) Hydrated Lime, (Calcium Hydroxide) or Baking Soda (Sodium Bicarbonate). Cautiously neutralize remainder. Then wash away with plenty of water.

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. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containment closed when not in use. Do not handle or store material near heat, sparks, or open flames, or other sources of ignition.

Storage: Prevent from freezing. Store at room temperatures, i.e., 40° to 95°F (4° to 35°C)

Regulatory Requirements: No data found

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

| Chemical Name/ CAS No. | OSHA Exposure Limits | ACGIH Exposure Limits | Other Exposure Limits |
|---------------------------|-----------------------------|--|---|
| Acetic acid 64-19-7 | 10 ppm TWA; 25 mg/m3 TWA | 2 15 ppm STEL 10 ppm TWA ppm Ceiling | NIOSH: 10 ppm TWA; 25 mg/m3 TWA 15 ppm STEL; 37 mg/m3 STEL |

Engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Ensure that eyewash stations and safety showers are close to the workstation location.

Ventilation Control: Provide adequate ventilation to control airborne concentration below the exposure guidelines/limits.

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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.

Eye Protection: Normal industrial eye protection practices should be employed.

Skin Protection: In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Respiratory: If airborne concentration limits are not met, an approved respirator must be worn.

Contaminated Equipment: Dispose of the waste in compliance with federal, state, regional, and local regulations.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Melting point:** Not Determined
- Freezing point:** Not Determined
- Solubility:** Complete
- Boiling range:** 100°C
- Flash point:** 999°C, 999°F
- Evaporation rate:** Not Determined
- Flammability:** Not Determined
- Appearance:** Yellow
- Odor:** Vinegar
- Physical:** State Liquid
- Vapor Pressure:** Not Determined
- Odor threshold:** Not Determined
- Vapor Density:** Not Determined
- Explosive Limits:** 0%
- Partition coefficient (n-Octanol/water):** Not Determined
- Autoignition temperature:** 463°C
- Decomposition temperature:** Not Determined
- Viscosity:** Not Determined
- Density:** 1.042260765

10. STABILITY AND REACTIVITY

- Stability:** STABLE
- Incompatibilities:** No data found.
- Hazardous Decomposition Products:** *Note:* these are all possible decomposition products based on molecular structure of components.
 - Oxides of Carbon
 - Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

- Mixture Toxicity**
 - Dermal Toxicity:* 3.00mg/kg
 - Inhalation Toxicity:* 30.84mg/L
- Component Toxicity:**
 - 64-19-7 Acetic acid
 - Oral:*3,310.00 mg/kg (Rat) *Dermal:* 1,060.00 µL/kg (Rabbit) *Inhalation:* Rat mg/L (Rat)
- Routes of entry:** No data found.
- Target Organs:** Eyes, Skin, and Respiratory System
- Effects of Overexposure:** Causes severe skin burns and eye damage.

| CAS Number | Description | % Weight | Carcinogen Rating |
|------------|-------------|----------|-------------------|
| None | | | No Data Found |

12. ECOLOGICAL INFORMATION

- Ecotoxicity:** No data available for this product.
- Component Ecotoxicity**
 - Acetic acid 96 Hr LC50 Pimephales promelas: 79 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 75 mg/L [static]; 48 Hr EC50 Daphnia magna: 65 mg/L [Static]

13. DISPOSAL

Disposal Instructions: Refer to the latest federal, state, and local regulations regarding proper disposal.

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. (Acetic Acid) | UN1760 | II | 8 |

15 - REGULATORY INFORMATION

- This listing is to highlight federal level regulation of the product. Individual states, and other nations may have further regulations not listed below.
- US DOT List of Marine Pollutants (172.101 - Appendix B):** None
- US DOT List of Hazardous Substances and Reportable Quantities (172.101 Appendix A):** 64-19-7 Acetic acid 37%
- US DOT List of Severe Marine Pollutants (172.101 - Appendix B):** None

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SARA Section 302 Extremely Hazardous Substances (40 CFR 355): None

Sara Section 302 Threshold Planning Quantity: None

SARA Section 313, Toxic Chemicals (40 CFR 372.65): None

SARA Reportable Quantity: 64-19-7 Acetic acid 37%

EU RISK PHRASES

Toxic Substances Control Act (TSCA): All components are listed or exempt from the Toxic Substances Control Act except those listed below.

- None

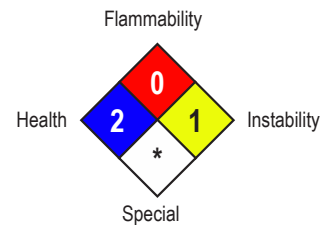
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act, and Title 40 of the Code of Federal Regulations, part 372.

16. OTHER INFORMATION

Hazardous Material Information System (HMIS)

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 0 |
| Physical Hazard | 1 |
| Personal Protection | D |

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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