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ECO-SCRUB™ MINERAL ACID FREE MASONRY CLEANER

1. PRODUCT DATA

Date of Preparation: March 1, 2015

Product Name: Eco-Scrub™ Mineral Acid Free
Masonry Cleaner

Producer: Diedrich Technologies, A Hohmann & Barnard
Company, 310 Wayto Road, Schenectady, NY 12303

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***This product is manufactured for Commercial/Industrial
use. Not recommended for: Household use.***

2. PRODUCT DESCRIPTION:

Eco-Scrub is formulated to safely remove dry hardened mortar from most any surface. It is a clear amber hued liquid with a slight fruity smell and is non-corrosive and non-fuming. It will not damage most metals, chrome, glass, paint, rubber and most other surfaces when used in accordance with directions. Eco-Scrub is water soluble and biodegradable. It can be brushed or spray applied to the dried mortar that must be removed. Eco-Scrub also provides an environmentally friendly way of etching and cleaning concrete floors in preparation for application of floor coatings or to provide a non-slip surface.

Test Applications: Test applications should always be done in an inconspicuous area prior to full scale applications. These tests are necessary to determine suitability, compatibility, required end result, and verify there are no adverse reactions.

Limitations: Eco-Scrub's effectiveness is adversely affected by cold surface and air temperatures. In hot conditions in direct sunlight the product may evaporate before it has an opportunity to effectively soften the mortar. While Eco-Scrub will not remove paint, care should be taken when pressure washing as high water pressures could cause the removal of paint. Not recommended for use on cast stone/manufactured stone.

3. PRECAUTIONS:

Read and follow application instructions and precautions as well as Safety Data Sheet before use of the product.

Personnel: All workers must be protected by rubber or polyethylene complete body coverage suits, boots, gloves, face shield, splash goggles, and protective head gear. Avoid contact with eyes and skin.

Adjacent Areas: Protect all vegetation, electrical, anodized aluminum, brass, painted surfaces, asphalt roofing, cars and other adjacent items, buildings and occupants with proper precautions, plastic coverings, and by soaking with water. Cast stone/manufactured stone must be kept water soaked and constantly water flushed to avoid damage. Avoid drift as it may injure passersby or damage vehicles. Divert traffic.

KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

4. FEATURES AND BENEFITS:

- Concentrated formula allows for dilution to address job conditions.
- Biodegradable – used product does not require reclaiming. Low contributor to BOD/COD in effluents.
- Non-Hazardous and Non-Fuming – easier use than other conventional acid based products.
- Safe for use on most surfaces.
- Reduces labor cost and equipment damage connected with removal of hardened built-up concrete.
- Meets Green Seal Standard GS-37.

5. ADDITIONAL USES:

- Concrete etching in preparation for floor coatings.
- Concrete and mortar mixers.
- Concrete forms.
- Hand Tools
- Ready Mix Trucks
- Saw cutting equipment
- Screed's
- Slurry splash-up on vinyl, aluminum & steel siding.
- Troweling Machines

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Tips for Use: Eco-Scrub's effectiveness is greatly reduced in cold weather. Do NOT use this product if temperatures will fall below 40° F while cleaning or shortly thereafter. Water soaked masonry can be damaged by freezing. Allow for dry time after cleaning if temperatures will fall below recommendation. Do NOT allow this product to freeze.

Effectiveness may be reduced in hot conditions where direct sun will cause the product to evaporate prior to softening the mortar/cement. It may be necessary to work in small areas in hot, dry, windy conditions. Failure to keep the masonry water soaked prior to and after the cleaning solution has been applied may damage the masonry.

DO NOT SPRAY DIRECTLY ON DRY MASONRY.

6. INSTRUCTIONS

Preparation:

- Know your surface and spot test sample PRIOR to use of Eco-Scrub. A successful job should be started within 5 to 15 days (no later than 7 days for high strength mortar). Do not start too soon or damage to the mortar joints may occur.
- Be sure to protect cement floors, walkways, driveways, and the surrounding area where Eco-Scrub will be applied.
- Eco-Scrub must be applied diluted to a wet surface.
- This product should be diluted at a ratio of 1 to 5 parts water (or greater) to 1 part Eco-Scrub.
- Take care to protect areas that you do NOT wish to clean or have exposed to this product.

Application:

- Soak masonry with fresh water prior to applying Eco-Scrub. This prevents the masonry from absorbing the cleaning solution.
- Use a low pressure (approx. 40-50 psi) applicator or masonry brush to apply diluted Eco-Scrub. Higher pressure applications will drive the cleaner into the masonry causing damage. Start at the bottom and work toward the top, keeping lower areas wet to prevent streaking. It will initially foam slightly but will then subside. The product will continue to work even after the foaming action has stopped.
- Allow Eco-Scrub to work for approximately 5 minutes or according to your previous test time. Heavy soiling may need light brushing. Heavy chunks or pieces of mortar may be scraped with a wooden paddle or piece of brick.

- Do NOT apply Eco-Scrub to a hot surface. It will evaporate quickly and may damage the surface.
- Do NOT apply Eco-Scrub to a cold or frozen surface. The water and product will freeze and reducing the effectiveness and potentially cause damage to the masonry.

Removing Mortar/Cement:

- Lightly re-wet the masonry with Eco-Scrub if it appears to have dried and rinse THOROUGHLY as directed.
- Use only as much pressure as you need. Using a 500-1500 PSI washing system with an output flow of approximately 6 gallons per minute or greater is recommended. Use a fan tip and keep the tip perpendicular to the area that you are power washing and move the tip as close or as far away as needed to effectively lift and remove the mortar residue without damaging the mortar joints. **DO NOT USE TURBO OR OSCILLATING TYPE TIPS.**

7. TECHNICAL NOTES

Eco-Scrub – ACID FREE NEW MASONRY CLEANER is a clear liquid with an amber cast. When applied to cement or mortar the product will foam slightly.

IMPORTANT: Rinse tools and power washer system with soap and water prior to and after each use. Acid rated equipment, tools and protective gear are required.

Always wear chemical resistant protective clothing, gloves, boots, and eye wear. Do NOT allow to freeze.

Specifications and Compliance: N.A.C.E.(ASTM G-31): Non-Corrosive - CFR49 Section 173.24: Non-Corrosive - Biodegradable Oxygen Demand (B.O.D.) Test Factor (0.28): Biodegradable - DOT and IMO: Non-Hazardous - Canadian WHMIS Class "E".

Tools and equipment can be easily cleaned up with soap and water then rinsed with fresh water.

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WARRANTY: ALWAYS USE A TEST SAMPLE TO DETERMINE DESIRED RESULTS. PRODUCT FREEZES BELOW 32°F, AND MAY BE ADVERSELY AFFECTED BY COLD WEATHER.

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