

ENVIRO CLEAN & ETCH

ORGANIC CONCRETE CLEANER & ETCHING COMPOUND

PRODUCT DESCRIPTION: Enviro Clean & Etch C-30 is a water based, concentrated, non-hazardous, biodegradable cleaner formulated for preparing concrete surfaces for coatings, sealers or stains. Enviro Clean & Etch C-30 is formulated using organic acids and surfactants made from naturally occurring materials, which makes it safer to use and just as effective as traditional hydrochloric or phosphoric based cleaners.

APPLICATIONS: Enviro Clean & Etch C-30 is recommended as a pre treatment cleaner for Ocera™ Series Stains. It can be used for related decorative concrete including flatwork, stamped and textured concrete, concrete counter tops, concrete masonry units, stucco, mortar, grout, and most any other portland cement based surface.

BENEFITS:

- Exhibits a high degree of reaction equal to traditional acid cleaners without the same hazards of transport, use and personal protection
- Formulated using “green technology” and LEED credit qualification
- No harmful fumes or objectionable odors provides for trouble free applications on interior projects
- Concentrated formula allows for easy dilution and cost savings on the job site

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 1.2**-Building re-use. Indoor Environmental Quality: **EQ Credits 4.2:** Low emitting materials (VOC < 25 g/L). **MR Credits 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Lemont, Illinois 60439. 90% Content- Harvested within 500 miles. **MR Credits 6.2:** Rapidly renewable materials.

COMPOSITION: Enviro Clean & Etch C-30 contains water, plant based biodegradable organic salts with proprietary, non-hazardous acid derivatives, and surface wetting agents.

TECHNICAL DATA:

PHYSICAL PROPERTIES:	APPROXIMATE VALUE AT 70°F (21°C):
WEIGHT PER GALLON:	9.20 lb./gallon +/-0.10
pH:	3.25 +/- 0.20
COLOR:	Light green solution
V.O.C. CONTENT:	Contains no VOC's

COVERAGE: Enviro Clean & Etch C-30 can be diluted from 1 to 3 parts by volume with water depending on the amount of cleaning required, using a more concentrated solution for heavily contaminated surfaces or to speed etching process. Coverage is approximately 100-200 square feet per gallon after dilution and is dependent on concrete porosity. Coverage will typically be at the higher range for hard troweled or mechanically finished concrete, and at the lower range if concrete is broom finished, very rough or absorptive, or if application conditions are hot or windy.

APPLICATION: Apply Enviro Clean & Etch C-30 by use of plastic pump up sprayer. Do not use any metal sprayers. After spraying, work the cleaner into the concrete using acid brush or push broom to ensure uniform coverage and reaction. Etching should take place immediately and will generate a foam or fizzing reaction with the concrete.

NEUTRALIZATION: Allow the cleaner to remain on the concrete from 5-15 minutes, and then wash down thoroughly afterwards with potable water. Use a pressure washer for outside applications. For interiors, the use of garden hose with a wet/dry vacuum are recommended until the surface is free of all cleaner residue. Allow the surface to dry thoroughly and check surface pH before applying any subsequent stains or sealers to make sure it is neutral.

LIMITATIONS: If the surface reaction is not noticeable after applying the Enviro Clean & Etch C-30, the concrete may have a sealer, oil, or coating barrier that is preventing cleaner absorption. If coatings are present, use Specco Lightening SB to remove them. If grease or oil are present, the use of Specco Citrus Solve C-25 degreaser is recommended for removal before applying the Enviro Clean & Etch C-30. After application, test the concrete for open porosity by spraying lightly with water mist. If the concrete darkens, then the surface is porous and ready to stain or seal. If the water beads on the surface and does not penetrate easily, then the surface needs to be further etched or abraded.

CAUTIONS: Enviro Clean & Etch C-30 achieves best results if ambient temperatures are above 40°F (4.4°C) and below 90°F (32.2°C). Extreme weather conditions such as high wind or applications in full sun at high temperature will cause premature drying, therefore smaller sections should be cleaned at a time to make sure the surface stays wet long enough to obtain a sufficient chemical reaction.

WARNINGS: Enviro Clean & Etch C-30 is for use by qualified professional contractors and trained applicators. Although it is non-corrosive to skin, avoid prolonged skin contact-wash skin with soap and water if exposed to avoid irritation. Wear splash resistant eye protection and impervious gloves when handling. There are no fumes associated with Enviro Clean & Etch C-30 when applied manually by brush or broom, however, if a sprayer is used, a NIOSH approved respirator is recommended as the stain will be in a vaporized form and can cause irritation. Before using, refer to product M.S.D.S. (Material Safety Data Sheet) for further health and safety information. Keep containers closed when not in use and dispose of accordingly. Keep away from food and drink. Do not take internally. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. FOR EMERGENCIES ONLY, CALL CHEMTREC AT 1-800-424-9300.**

H.M.I.S. CODES (Hazardous Materials Identification System): HEALTH = 2, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = E (Impervious gloves, splash goggles and respirator). **HAZARDOUS INGREDIENTS:** Section 313 Supplier Information: This product contains no chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know-Act of 1986 and of 40CFR 372.

FIRST AID: Eye Contact: Flush eyes with clean water until irritation subsides. Seek medical attention if necessary. **Skin Contact:** Wash skin with soap and water. Consult a physician if irritation persists. **Ingestion:** Do not induce vomiting. If victim is conscious, give 4-5 glasses of water, and immediately call a physician / poison control center. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration Seek a Physician Immediately.

SHIPPING D.O.T. CLASS: NOT-REGULATED BY D.O.T. ITEM 33880, SUB 2, LTL 55 CONCRETE CLEANER - WATER BASE.

PACKAGING: 1gallon (3.78L) bottles (4 gallons / case), 5 gallon (18.9L) pails, and 55 gallon drums (207.9L)

STORAGE: 40° to 90° F. Keep from freezing. **SHELF LIFE:** 2 years properly stored

WARRANTY: Specco Industries Inc (Specco) solely and expressly warrants that its products shall be free from defects in materials and workmanship for one (1) year from the date of purchase. Unless authorized in writing by an officer of Specco, no other representations or statements made by Specco or its representatives, in writing or orally, shall alter this warranty. **SPECCO MAKES NO WARRANTIES, IMPLIED OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR ORDINARY OR PARTICULAR PURPOSES OF ITS PRODUCTS AND EXCLUDES THE SAME.** If any Specco product fails to conform with this warranty, Specco will replace the product at no cost to Buyer. **Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages.** Specco does not authorize anyone on its behalf to make any written or oral statements which in any way alter Specco's installation information or instructions in its product literature or on its packaging labels. **Specco explicitly excludes any written or oral statements or implied warranty on the performance of an applied/installed product manufactured or sold by or through Specco. Specco has no control over Specco application standards adherence, site conditions, atmospheric variations, installer/applicator skill level or the determination of the suitability of any Specco products for a specific intended purpose. Buyer shall be solely responsible for determining the suitability of Specco's products for the Buyer's intended purposes.** Product demonstrations, if any, are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind.

Revised – 11-02-10