



# C-Etch *Surface Cleaner*

**PRODUCT DESCRIPTION:** Tru Impressions C-Etch Surface Cleaner solution is a blend of odorless acids, detergents and surfactants formulated for general cleaning of concrete and masonry surfaces, as well as aluminum. C-Etch effectively removes efflorescence mineral deposits and related stains, soot and dirt as well as and light (shallow) rust stains. C-Etch is safe to use on colored masonry or integrally colored concrete and will not burn the pigment out of the surface. C-Etch is suitable for etching and preparing concrete surfaces prior to the application of sealers or water repellents.

**BENEFITS:** RELEASES NO FUMES LIKE MURIATIC (HYDROCHLORIC) BASED ACID CLEANERS...SAFER THAN MURIATIC ACID ON CONTACT WITH SKIN...COLOR SAFE FORMULATION FOR APPLICATION TO INTEGRALLY COLORED MORTARS OR CONCRETE...EASY TO USE...MULTI- FUNCTIONAL CLEANER.

**COMPOSITION:** Phosphoric acid, glycol compounds with neutralizing detergents and surfactants.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	9.80 +/- 0.10 lb./ gallon
pH:	0.35 +/- 0.10
Color:	Clear to slightly yellow liquid
Freeze Point:	5° F ( -15°C)
Non-Volatile Solids (%):	35.00 +/- 0.50

**DILUTION:** Handle TI C-Etch Surface Cleaner in polyethylene or polypropylene buckets only, as acidic materials will attack metal. Always pour cold water into the bucket first and then add C-Etch Surface Cleaner solution to the water.

To clean efflorescence and lime stains Dilute Surface Cleaner 1 part to 8 parts water

To clean rust stains Dilute Surface Cleaner 1 part to 4 parts water

To clean aluminum Dilute Surface Cleaner 1 part to 4 parts water

To remove mortar Dilute Surface Cleaner 1 part to 1 part water

To etch concrete Use Surface Cleaner undiluted

**COVERAGE RATES:** Recommended coverage rates are typically 100 square feet per gallon average of diluted C-Etch Surface Cleaner, with textured or porous surfaces usually lower at approx. 50 square feet per gallon and harder, denser, less absorbent surfaces at a higher rate of 150 square feet per gallon.

**SURFACE PREPARATION:** Protect the surrounding property, vehicles, and all non masonry acid sensitive surfaces from contact with C-Etch Surface Cleaner application, overspray and rinse runoff. All masonry should be acid cleaned before installing any metal fixtures, hardware, windows, doors, or roofing materials. These areas have to be masked or protected completely with polyethylene sheeting or strippable mastics if they are already installed to the building. All caulking and sealants should be applied and cured before acid cleaning.

**APPLICATION:** Thoroughly saturate the surface to be cleaned with potable water. Apply the C-Etch Surface Cleaner solution working from the bottom to the top with an acid washing brush (stiff, densely packed bristles) or with a corrosive resistant low pressure sprayer at no higher than 50 p.s.i. maximum. Allow the C-Etch solution to remain on the surface for a minimum of 5 minutes or until the etching reaction (fizzing or bubbling) is no longer evident. Re-apply a second time if needed, taking care to rinse the surface thoroughly with potable water, removing all of the spent cleaning solution. High pressure rinsing proves most effective and will aid the speed of the stain or deposit removal, however, it is recommended to keep the pressure under 1000 p.s.i. to avoid damage to masonry. Hot rinse water up to 180°F (82.2°C) can be used to help improve the C-Etch Surface Cleaning ability and assist in faster stain removal. Clean tools and equipment when done with fresh water.

**CAUTIONS:** Do not mix C-Etch Surface Cleaner with other acidic, alkaline or chlorinated based cleaners as the resulting fumes may be harmful or possibly fatal. Always pre-wet the surface to be cleaned with water. Do not allow the C-Etch Surface Cleaner solution dry into the masonry or concrete. Inadequate pre-wetting of the substrate and complete rinsing of the spent acid residue may result in surface staining or "acid scum" formation. C-Etch Surface Cleaner will not remove petroleum, grease or oil stains in concrete or masonry substrates, therefore these stains should be removed first by use of TI C Cleaner or any other cleaning solutions formulated specifically to remove petroleum based deposits. Do not apply C-Etch Surface Cleaner when temperatures are below 35 degrees and dropping as freezing conditions may harm the cement surface.

**WARNINGS & SAFETY INFORMATION:** TI C-Etch Surface Cleaner is an acidic based solution and can cause severe burns. Use with OSHA/NIOSH approved eye protection. Wear protective safety glasses, gloves, and clothing when handling. Refer to product M.S.D.S. (Material Safety Data Sheet) for detailed health and safety information. Protect all grass, foliage and related landscaping from contact with C-Etch Surface Cleaner. Keep all traffic off the treated surface until dry. Keep containers closed when not in use and dispose of accordingly in accordance with local, state, and federal regulations. Keep away from food and drink. Do not take internally. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. H.M.I.S. CODES (Hazardous Materials Identification System):** HEALTH = 3, FLAMMABILITY = 0, REACTIVITY = 0, PERSONAL PROTECTION = C

#### FIRST AID PROCEDURES:

**INGESTION:** Call a physician, emergency room or poison control center immediately. Do not induce vomiting. Get immediate medical attention.

**EYE CONTACT:** Rinse eyes thoroughly for 15 minutes. Get immediate medical assistance.

**SKIN CONTACT:** Remove contaminated clothing and rinse thoroughly for 15 minutes. Get medical attention. Wash contaminated clothing before reuse in laundry.

**INHALATION:** Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

**24 HOUR EMERGENCY INFORMATION: CALL CHEMTREC @ 1-800-424-9300**

**SHIPPING NAMES:** Phosphoric Acid, Hazard Class 8, UN 1805, Packing Group III, Corrosive Liquid,

**SHIPPING CLASS:** ITEM 4440, SUB 2, LTL 77.5-CONCRETE CLEANERS-ACID BASED

**STORAGE:** Ideal storage is between 60° to 80° F. Keep from freezing.

**SHELF LIFE:** 3 years stored properly. Depending on storage conditions, the shelf life may be extended. **PACKAGING:** 1 quart, 1 gallon, 5 gallon

**LIMITED WARRANTY:** This product is warranted to be of merchantable quality when used according to the instruction herein. It is not warranted to be suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is limited to the replacement of the product as purchased, if found to be defective upon inspection by the manufacturer. This limited warranty is issued and accepted in lieu of all other expressed warranties and explicitly excludes liability for consequential damages. **Buyer assumes all risk and liability resulting from the use of this product.**