

C-10 EFFLORESCENCE & HARDSCAPE CLEANER

CONCENTRATED STAIN REMOVER FOR CONCRETE & MASONRY

PRODUCT DESCRIPTION: Specco C-10 Efflorescence & Hardscape Cleaner is a blend of fumeless, low odor acids, detergents and surfactants formulated for general cleaning of concrete and masonry surfaces. C-10 Efflorescence & Hardscape Cleaner effectively removes efflorescence (typically whitish salts), related surface mineral deposits such as manganese (typically brown), vanadium (typically green), soot and ground in dirt. C-10 Efflorescence & Hardscape Cleaner is safe to use on colored masonry or integrally colored concrete and will not burn the pigment out of the surface. C-10 Efflorescence & Hardscape Cleaner is recommended for regular or decorative concrete flatwork, retaining walls, or pavers prior to the application of sealers or water repellents to allow improved penetration into the concrete surface.

BENEFITS: CONTAINS NO MURIATIC (HYDROCHLORIC) ACID WHICH ALLOWS SAFER CLEANING WITH NO DISCOLORING OR DAMAGE TO THE SURFACE...ALLOWS BRIGHTER PIGMENT COLORS ON COLORED CONCRETE SURFACES PRIOR TO SEALING...IDEAL FOR APPLICATION TO INTEGRALLY COLORED MORTARS OR CONCRETE...EASY TO USE...MULTI- FUNCTIONAL CLEANER...V.O.C. FREE

COMPOSITION: Blend of phosphoric, sulfamic, and glycolic acids with neutralizing detergents and surfactants. This product contains no phosphates or muriatic acid.

PHYSICAL PROPERTIES at 70° F (21°C):	APPROXIMATE VALUES:
Weight per Gallon:	10.30 +/- 0.10 lb./ gallon
Color:	Light yellow liquid
V.O.C.	0 g/L

DILUTION: Handle C-10 Efflorescence & Hardscape 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-10 Efflorescence & Hardscape Cleaner solution to the water. Do not use hot water for dilution. Apply C-10 Efflorescence & Hardscape Cleaner solution to a small, out of the way test area to determine suitability and results before making the overall application. Typical dilution rates are recommended as follows, but can be adjusted higher or lower as needed based on the pre-test results:

To clean efflorescence and related stains	Dilute C-10 Efflorescence & Hardscape Cleaner 1 part to 4 parts water
To clean hardscape materials	Dilute C-10 Efflorescence & Hardscape Cleaner 1 part to 9 parts water

COVERAGE RATES: For use as an efflorescence cleaner, recommended coverage rates are typically 200-400 square feet per gallon of diluted C-10 Efflorescence & Hardscape Cleaner. Textured or porous surfaces usually fall in the lower coverage range and harder, denser, less absorbent surfaces in the higher coverage range. For stubborn efflorescence stains, dilutions of 1 part Cleaner to 2 parts water can be used. For use as a hardscape cleaner recommended coverage rates are typically 800 square feet per gallon average after dilution.

SURFACE PREPARATION: Protect the surrounding property, vehicles, and all non masonry acid sensitive surfaces from contact with C-10 Efflorescence & Hardscape 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-10 Efflorescence & Hardscape Cleaner on vertical surfaces working from the bottom to the top with a long handled acid washing brush (densely packed bristles) or with a corrosive resistant low pressure sprayer at no higher than 50 p.s.i. maximum. For flatwork surfaces, it is recommended to treat only a 200 square feet section at one time, making sure to cover the entire surface without leaving any dry spots, and to overlap sections before proceeding to the remaining areas. Allow the C-10 Efflorescence & Hardscape Cleaner to remain on the surface for a minimum of 5 minutes or until the etching reaction (fizzing, foaming or bubbling) is no longer evident. Using a long handled acid brush, work the cleaner into the treated surface and then rinse until all traces of foam disappear. 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 < 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 surface cleaning ability and assist in faster stain removal. Clean tools and equipment when done with fresh water.

CAUTIONS: Do not allow the C-10 Efflorescence & Hardscape Cleaner dry into the masonry or concrete. Always pre-wet the surface to be cleaned with water. Inadequate pre-wetting of the substrate and complete rinsing of the spent acid residue may result in surface staining or “acid scum” formation. Using C-10 Efflorescence & Hardscape Cleaner at full strength (undiluted) may cause damage to treated surfaces. Do not mix C-10 Efflorescence & Hardscape Cleaner with other acidic, alkaline or chlorinated based cleaners as the resulting fumes may be harmful or possibly fatal. C-10 Efflorescence & Hardscape Cleaner will not remove petroleum, grease or oil stains in concrete or masonry substrates, therefore these stains should be removed first by use of Specco Clean & Prep C-20 or Citra-Solve C-25 degreaser cleaners or any other cleaning solutions formulated specifically to remove petroleum based deposits. For rust stains, the use of Specco Rust Buster C-22 is recommended. C-10 Efflorescence & Hardscape Cleaner is not recommended for use on marble, or natural, polished or glazed stones. Do not use C-10 Efflorescence & Hardscape Cleaner when temperatures are below 35°F (1.7°C) and dropping as freezing conditions may harm the cement surface.

WARNINGS & SAFETY INFORMATION: It is the responsibility of the end user to know and follow all approved safety procedures and to comply with all applicable federal, state and local laws, regulations and ordinances. Specco C-10 Efflorescence & Hardscape 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 before using this product. Protect all grass, foliage and related landscaping from contact with C-10 Efflorescence & Hardscape 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 (Rubber Gloves and Safety Goggles). **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, 55 gallon containers

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. Revised -11-11-09