

EFFLORESCENCE & HARDSCAPE CLEANER MULTI FUNCTIONAL STAIN REMOVER FOR CONCRETE & MASONRY

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

BENEFITS:

- Contains no muriatic (hydrochloric) acid. (No fumes)
- Safer cleaning with no discoloring or surface damage
- Ideal for use on integrally colored mortars or concrete
- Easy to use, multi-functional cleaner

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

LEED CREDIT CONSIDERATIONS: Materials and Resources: **MR Credit 5.2:** Regional materials- Greater than 20% extracted, processed and manufactured regionally at production location: Kankakee, IL. 60901. 90% Content-Harvested within 500 miles.

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 the *Efflorescence & Hardscape Cleaner C-10* in polyethylene or polypropylene buckets only, as acidic materials will attack metal. Always pour cold water into the bucket first and then add *Efflorescence & Hardscape Cleaner C-10* solution to the water. Do not use hot water for dilution. Apply *Efflorescence & Hardscape Cleaner C-10* 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 <i>Efflorescence & Hardscape C-10 Cleaner</i> 1 part to 4 parts water by volume
To clean hardscape materials	Dilute <i>Efflorescence & Hardscape C-10 Cleaner</i> 1 part to 9 parts water by volume

COVERAGE RATES: For use as an efflorescence cleaner, recommended coverage rates are typically 200-400 square feet per gallon of diluted *Efflorescence & Hardscape Cleaner C-10*. 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 *Efflorescence & Hardscape Cleaner C-10*, overspray and rinse runoff. All masonry should be acid cleaned before installing any metal fixtures or windows. 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 *Efflorescence & Hardscape Cleaner C-10* 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 *Efflorescence & Hardscape Cleaner C-10* 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 **APPLICATION (continued):** 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 *Efflorescence & Hardscape Cleaner C-10* to dry into the masonry or concrete. Always pre-wet the surface to be cleaned with water. Inadequate pre-wetting of the substrate and incomplete rinsing of the spent acid residue may result in surface staining or "acid scum" formation. Using *Efflorescence & Hardscape Cleaner C-10* at full strength (undiluted) may cause damage to treated surfaces. Do not mix *Efflorescence & Hardscape Cleaner C-10* with other acidic, alkaline or chlorinated based cleaners as the resulting fumes may be harmful or possibly fatal. *Efflorescence & Hardscape Cleaner C-10* will not remove petroleum, grease or oil stains in concrete or masonry substrates, therefore these stains should be removed first by use of *Specco Citrus Solve C-25 Degreaser* cleaner. For rust stains, the use of *Specco Rust Buster C-22* is recommended. *Efflorescence & Hardscape Cleaner C-10* is not recommended for use on marble, or natural, polished or glazed stones. Do not use *Efflorescence & Hardscape Cleaner C-10* when temperatures are below 35°F (1.7°C) and dropping as freezing conditions may harm the cement surface.

GHS HAZARD RATINGS: DANGER:



Irritant: Respiratory Tract Irritation.



Health Hazard: Corrosive Material

WARNINGS: HEALTH HAZARD & IRRITANT: Refer to product S.D.S. (SAFETY DATA SHEET) for FIRST AID INFORMATION, or any related health and safety information before using this product. For medical emergencies only, call INFOTRAC @ 800-535-5053.

Efflorescence & Hardscape Cleaner C-10 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 S.D.S. (Safety Data Sheet) for detailed health and safety information. Protect all grass, foliage and related landscaping from contact with Rust Buster. 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).

SHIPPING NAME: Mixture: contains Phosphoric Acid, CAS # 7664-38-2 –regulated by D.O.T.

SHIPPING CLASS: **UN1805, Phosphoric Acid Solution, CORROSIVE LIQUID, HC 8, PG III**
Item #44155 Sub 2 Freight Class 77.5- Concrete & Masonry Cleaning Solution-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

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 08-05-15**