



# Efflorescence Remover

## Removes White Chalky Deposits from Concrete

Spec-West Efflorescence Remover is a powerful cleaner designed to remove the white chalky deposits known as efflorescence found on concrete and masonry surfaces. It is also effective for removing hard water stains, mild rust stains, lime deposits, mortar residue. And, prepares surfaces for the application of one of Spec-West's sealers. Efflorescence Remover is a water soluble biodegradable blend of non-toxic acids and surfactants and is a safer alternative to highly reactive muriatic acid.

**Use Efflorescence Remover On:**

- Colored & Stamped Concrete
- Interlocking Concrete Pavers
- Exposed Aggregate Concrete
- Mexican Saltillo Tile
- Masonry Brick
- Natural/Manufactured Stone

**Efflorescence Remover offers the following benefits.**

- Biodegradable
- Replaces Heavy Acids
- Easy Application
- Ready to Use

**IMPORTANT NOTE:**

Do not mix this product with bleach, trisodium phosphate (TSP), solvents, ammonia or other cleaners. This is a contractor grade product, always practice proper safety precautions by using safety goggles, rubber gloves and protective clothing. Use only in well ventilated areas. Acids may etch, lighten or change the color of cementitious substrates and some natural stones, such as marble and limestone. **Before use on a job, thoroughly test this product on a sample to assure performance and appearance.** Do not use on metals.

**LIMITATIONS:**

Efflorescence Remover is not a coatings stripper and will not remove oil or grease stains. If efflorescence is beneath a sealer or coating, Efflorescence Remover may not be effective until the coating is removed.

**COVERAGE:**

Between 50-400 sq.ft./gal. depending on texture and porosity of the surface, severity of the contamination and the method of application.

**What is Efflorescence?**

Efflorescence is a white crystalline deposit that is composed of water soluble mineral salts. The minerals travel to the surface, carried by water as it migrates through cementitious substrates by a process called capillary action. Once the solution of water and minerals arrives at the surface, the water evaporates leaving behind the minerals known as efflorescence. These minerals are found most often on concrete, brick, mortar and Mexican Saltillo tile. Sealing the substrate will control and reduce the reappearance but may not completely stop efflorescence.

**SURFACE PREPARATION:**

Protect all adjacent surfaces including vegetation, surrounding buildings, windows, metal and painted surfaces from over spray. In high pedestrian areas, traffic should be diverted by using a barrier or warning signs. Sweep or vacuum the substrate to remove loose debris.

**APPLICATION:**

Efflorescence Remover is ready to use and does not require any dilution or mixing. This product should be applied when surface and air temperatures are 40° F or above. If freezing has occurred, allow the surface to thaw completely before application. Dampen the surface with water prior to applying Efflorescence Remover. Apply the product with an acid resistant low pressure sprayer, 100% plastic hand mister or acid resistant brush. Hold nozzle no further than 4" from the surface to minimize over spray. Once the Efflorescence Remover contacts the efflorescence, foaming will occur. Foam only appears when efflorescence is present. Allow the product to work for five minutes or until all foaming action stops. Continue to apply remover until foam no longer appears after application. Do not allow the product to dry on the surface. The cleaning process may require several applications and scrubbing with a stiff nylon or natural fiber brush. Liberally rinse the cleaned and surrounding areas with water. To insure complete neutralization of any residual acid, do a final cleaning with a 1:1 solution of Spec-Cleaner or use Spec-West's Acid/Stain Neutralizer. Efflorescence may return in six months to a year due to deeply imbedded soluble salts that have not yet come to the surface. Multiple cleanings over time may be required until all the salts are removed. To minimize the return of efflorescence and to protect the surface from moisture, mildew, water damage, oils and grease, it is recommended that the newly restored surface be sealed. The cleaned surface should be allowed to dry for a minimum of 24 hours before applying a sealer.

**CLEAN UP:**

Clean equipment with soapy water immediately after use.

**TECHNICAL DATA:**

VOC.....	0 g/l
Weight per Gallon.....	8.5 lbs
Appearance.....	Clear
Odor.....	Acidic
Physical State.....	Liquid
Solids by Weight.....	N/A

**SHELF LIFE and STORAGE:**

Keep product from freezing. Store between 35° and 120°F in a sheltered environment; do not store in sunlight. Product has a shelf life of one year.

**SHIPPING/HMIS INFORMATION:**

Ground/Air/Vessel.....	Corrosive Liquid N.O.S., 8, UN1760, PG II
Required Label .....	Corrosive
Required Marking.....	Corrosive Liquid N.O.S., UN1760
Uniform Fire Code .....	Corrosive Liquid
HMIS Ratings.....	H-2; F-0; R-2; PP-H

Available in gallons and 5 gallon pails.

**SAFETY INFORMATION:**

**WARNING: CORROSIVE, CONTAINS ACID: LIQUID CONTACT WITH EYES AND SKIN CAUSES CHEMICAL BURNS. DO NOT INGEST.** Contains mild acids. Harmful if swallowed, ingestion may cause burns to mouth, throat, esophagus and stomach. Avoid contact with eyes and skin. Wash hands thoroughly after using and before eating and smoking. Keep container closed when not in use. If spillage has occurred, absorb, and dispose of according to local regulations. Do not transfer to unmarked containers. Refer to the MSDS for complete information.

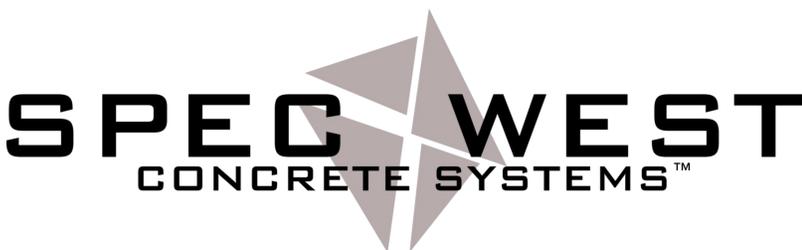
**FIRST AID:**

**EYES:** In case of contact, immediately flush eyes with plenty of water for 15 minutes. Contact a physician if irritation persists or later develops. **SKIN:** In case of contact, wash with soap and water. Remove contaminated clothing and shoes, do not reuse until cleaned. Contact a physician if irritation persists or later develops. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention. **INGESTION:** If swallowed get medical attention immediately. **DO NOT** induce vomiting.

**PRODUCT WARRANTY:**

The statements made herein, on labels, spec-sheets, any of Spec-West's employees or agents concerning this product are given for general information only. Due to variables beyond Spec-West's control in application, surface preparation, surface temperature, humidity and other variable factors, Spec-West assumes no liability for any claim that may arise out of the use of its products and, disclaims any warranty expressed or implied relating to the storage, application, thinning, merchantability, buyers assumption of performance and the fitness for particular purpose. Receipt of products from Spec-West or its agents constitutes acceptance of the terms of this warranty. In the event that Spec-West finds that the product delivered is not of Spec-West's standards of quality, Spec-West will at its sole discretion, either replace the product or refund the full purchase price. Spec-West's choice of one of these remedies shall be the buyer's sole remedy. Spec-West will under no circumstances be liable for consequential damages, except insofar as liability is mandated by law. Spec-West will deliver products at agreed times insofar as it is reasonably able to do so, but will not be liable for failure to deliver on time when the failure is beyond reasonable control.

**KEEP THIS PRODUCT OUT OF THE REACH OF CHILDREN**



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