

# Technical Data Sheet

## EF RESTORATION CLEANER

### Restoration Cleaner

#### Product Data and Application Method

#### PRODUCT NAME

EF RESTORATION CLEANER

High-performance construction detergent designed to remove white mineral deposits from concrete and masonry.

#### MANUFACTURER

Chemical Products Industries, Inc  
7649 SW 34<sup>th</sup> St., Oklahoma City, Ok 73179  
(800)624-4356 (405) 745-2070

#### PRODUCT DESCRIPTION

EF Restoration Cleaner is a strong acidic cleaner with the power to successfully eliminate water soluble salts i.e. efflorescence, lime run, and hard-water deposits from most masonry and unpolished stone surfaces. EF Restoration Cleaner breaks the bond of these stubborn deposits which are often impervious to other cleaners without etching the surface.

#### CHARACTERISTICS

Blend of inorganic acids in a surfactant solution of water soluble and biodegradable detergents.

#### USAGE

For use on: concrete, pre-cast and cast-in-place, aggregate, brick, mortar, masonry units, granite, sandstone and slate surfaces.

#### BENEFITS

- Eliminates heavy staining
- Low-odor
- Removes deeply embedded stains
- Proprietary detergent
- Removes heavy efflorescence
- Easy-to-use
- Economical
- Biodegradable

#### TECHNICAL DATA

Color	Clear/White liquid
pH	3.0
Density	N/A
Flash point	N/A
Freeze point	N/A
VOC	N/A

#### COVERAGE RATES

Always test. Coverage rates will vary depending on level of contamination and surface texture. Generally, one gallon of material will treat between 50 and 300 square feet

#### PREPARATION

EF Restoration Cleaner should be applied when surface and air temperatures are 40° F (4° C) or above. If freezing has occurred, allow the masonry to thaw completely before application.

#### ALWAYS TEST

In an inconspicuous area to determine the suitability of this product for the intended use. HF Restoration Cleaner may bleach or discolor some surfaces. Always test!

#### APPLICATION

Method: Acid resistant sprayer, acid resistant brush.

Perform a test area on the required surface(s) to determine product effectiveness and coverage rates.

Pre-wet the surface with water before applying EF Restoration Cleaner.

Apply EF Restoration Cleaner liberally with a soft densely fibered synthetic acid brush or plastic acid resistant sprayer. Sprayer should be set with low pressure (25 psi or less). Use a flood jet nozzle to avoid atomization when applying. Let the product work on the surface for 1 minute. (Prolonged contact with the surface may cause bleaching). Note: Cycle washing may

be needed depending upon the level of contamination.

For best removal results, rinse area with a pressure washer (1500-3500 psi or higher). Rinse until all foam disappears. Repeat application as necessary.

Clean Up: Water flush shrubbery, sidewalks, blacktop, asphalt, equipment and all adjacent surfaces immediately upon contact. Label appropriate containers for disposal.

For continued protection from moisture, mildew, water damage, and other atmospheric pollutants, we recommend treating the newly restored surface with a Chemical Products water repellent/sealer.

Pedestrian and auto traffic should be diverted by using a barrier or warning signs. Beware of wind drifts and overspray. When permissible work during evening hours when pedestrian/auto traffic is at a minimum. Fully protect all adjacent surfaces including vegetation, surrounding buildings, glass, windows, metal and painted surfaces during the cleaning process. EF Restoration Cleaner is corrosive to metal and will etch glass.

#### **LIMITATIONS**

- Do not dilute or alter
- Not to be used on polished surfaces
- Will not correct damage caused by improper cleaning

- Not for use on colored block
- Not for polished or acid-sensitive surfaces

#### **PRECAUTIONS**

For specific information regarding safe handling of this material refer to the Material Safety Data Sheet.

#### **AVAILABILITY**

EF Restoration Cleaner is available in 1, 5 and 55 gallon drums throughout the United States. Contact Chemical Products Industries, Inc. at 800-624-4356 or 405-745-2070 for a sales representative in your area.

#### **TECHNICAL SERVICE**

Technical service engineers and chemists are available to answer questions on product performance, application methods and chemical composition.

#### **LIMITED WARRANTY**

Chemical Products Industries, Inc. warrants this product to be free from defects. Chemical Products Industries, Inc. shall not be held responsible in any manner for any personal injury or property damage or other type of loss resulting from, or related to, the handling, storage, or use of this material. Since Chemical Products Industries, Inc. shall have no control of the use of this product described herein; Chemical Products Industries, Inc. assumes no liability for loss or damage incurred from the improper use of such product.