

# VanHearron Inc. Technical Data

## Efflorescence Remover

*SAFE RESTORATION CLEANER NON-HYDROFLUORIC EFFLORESCENCE REMOVER*

### **BENEFITS**

- Safe, easy-to-use
- Non-bleach odor
- Interior/Exterior use
- VOC compliant
- Safe on glass when used correctly
- Wide variety of use
- Excellent on natural stone and grout

### **PRODUCT DESCRIPTION**

Efflorescence Remover is a revolutionary safe acid cleaner used to remove biological stains as well as metal and mineral oxide stains from a wide variety of surfaces. Efflorescence Remover was specifically designed for the restoration of historic buildings, but it is also a great choice for schools, colleges, stadiums, hospitals, churches, and other public facilities in urban environments where safety is of the utmost importance.

**THIS PRODUCT DOES NOT CONTAIN:** Hydrofluoric Acid

### **CHARACTERISTICS**

Waterborne mixture of proprietary surfactants.

### **USAGE**

Effective on unglazed tile, grout, natural stone, limestone, sandstone, exposed aggregate, granite, UNPOLISHED MARBLE, synthetic stone, terrazzo.

### **TECHNICAL DATA**

Physical State	Liquid
Odor	Slightly acrid
pH	2.0
Density	1.14 g/cc
Solubility in Water	Complete
VOC	Federal EPA Compliant

### **BEFORE USING**

Read entire label, tech data and MSDS. Contains hydrochloric acid. Use adequate ventilation. Avoid breathing of vapor or spray mist. Precautions must be taken to avoid exposing building occupants to fumes above permissible exposure limits (PEL) for product. Keep container closed when not in use. In case of FIRE, extinguish with foam, CO<sup>2</sup>, dry chemical, water fog or spray. Do not reuse container.

### **PROTECTIVE EQUIPMENT**

Always wear gloves and goggles when handling this product. Rain suit of plastic, rubber, or PVC boots and gloves, face shields, and goggles. Use respiratory protection in accordance with OSHA Standards and Local Codes.

## **SPILLS and DISPOSAL**

Large spill: Dike and contain for intended use. Small spill: Soak up with an absorbent and place in approved container for disposal. Check state, local, or federal regulations for your area for waste disposal. Check for adequate ventilation to maintain PEL.

## **FIRST AID**

Do not get in eyes, on skin or clothing. Wash clothing before re-use. In case of contact: For eyes, immediately flush with water for 15 minutes. Call a physician. For skin, flush with soap and water. Wash clothes before reuse. If inhaled, remove to fresh air. Call a physician. If swallowed, drink water, do not induce vomiting, and call a physician immediately. For additional information, consult the MSDS for this product.

## **COVERAGE RATES**

Generally, one gallon of material will treat 50-300 sq. ft. per gallon. Coverage rates will vary depending on surface texture, porosity and severity of stain.

## **PREPARATION**

Fully protect all adjacent and surrounding surfaces including foliage, vegetation, surrounding buildings, metal and painted surfaces during the cleaning process. Cover landscaping using plastic or wet the foliage with water before and after the cleaning process. Clean when traffic is at a minimum, divert or block area if needed. Efflorescence Remover should be applied when surface and air temperatures are 40° F or above. If freezing has occurred, allow the masonry to thaw completely before application. If temperatures exceed 90° F always pre-wet the surface with fresh water before application. Do not allow Efflorescence Remover to dry on the surface.

**ALWAYS TEST**, in an inconspicuous area, to determine the suitability of the product for the intended use.

## **APPLICATION**

Apply with low-pressure spray (25-50 psi). Brushing is not necessary in most cases. For porous surfaces and removal of deeply embedded stains, prewet the surface with fresh water before applying Efflorescence Remover cleaning solution. Then use a two coat application of the solution allowing 3-5 minutes between applications without rinsing. Follow with a high-pressure fresh water rinse (1000-3000 psi) for best results. Use lower pressure rinse when working with sensitive substrates. **DO NOT ALLOW SOLUTION TO DRY ON THE SURFACE.** Repeat application process as needed to reach desired results.

Clean tools, equipment with fresh water. Water flush all primary surfaces, shrubbery, sidewalks, blacktop, asphalt, glass, equipment and all adjacent surfaces.

## **LIMITATIONS**

Do not allow solution to dry on the surface.  
Do not use on polished marble.  
Do not use on copper, brass or bronze.  
Always test prior to use.

## **STORAGE & STABILITY:**

Efflorescence Remover has a shelf life of at least 12 months at temperature between 0 C and 30 C. Protect the containers against light. After 12 months from the product purchase date, testing is required to verify the product is still active. Do not allow product to freeze. Freezing could decrease shelf life substantially. If the material is kept beyond the shelf life recommended, it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application.

## **PRECAUTIONS**

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

## **AVAILABILITY**

Efflorescence Remover is available in 1, 5 and 55 gallon drums throughout the United States. Contact VanHearron Inc. at 479-255-6101 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**

VanHearron, Inc. warrants this product to be free from defects. VanHearron, 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 VanHearron, Inc. shall have no control of the use of this product described herein; VanHearron, Inc assumes no liability for loss or damage incurred from the improper use of such product.

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