



## Efflorescence Remover

### Product Data Sheet

SAFE RESTORATION CLEANER NON-HYDROFLUORIC EFFLORESCENCE REMOVER

#### BENEFITS:

- Removes water soluble salts (the “chalky white stuff”) from masonry surfaces
- Safe on glass when used correctly
- Water based
- VOC compliant, no bleach odor
- Interior and exterior use

**DESCRIPTION:** VanHearron’s 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. However, it’s a great choice for schools, stadiums, hospitals, churches and other public facilities, especially in urban environments where safety is of utmost importance.

**USES:** Effective in removing efflorescence on glazed and unglazed tile, polished unglazed porcelain, grout, exposed aggregate and masonry.

**CHARACTERISTICS:** Waterborne mixture of proprietary surfactants. Does not contain Hydrofluoric Acid.

**ADVANTAGES:** When used correctly, Efflorescence Remover also works well on glass.

**LIMITATIONS:** Do not use on copper, brass or bronze. Do not allow solution to dry on surface.

**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<sub>2</sub>, dry chemical, water fog or spray. Do not reuse container.

**PROTECTIVE EQUIPMENT:** When handling Efflorescence Remover, always wear rain suit and gloves of plastic, rubber,

or PVC, boots, face shields and goggles. Use respiratory protection in accordance with OSHA standards and local codes.

**SPILLS and DISPOSAL:** **Large spills:** Dike and contain for intended use. **Small Spills:** 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.

**WARNING:** *Keep out of reach of children.* Wash clothes before reuse. May be harmful if swallowed. May irritate eyes and skin.

**FIRST AID:** **If ingested:** If person is conscious, immediately give two glasses of water. Do not induce vomiting and immediately call physician. **Eye contact:** Continuously flush eyes for a minimum of 15 minutes and contact physician. **Skin contact:** Wash with soap and water. If irritation persists, seek medical attention. **Inhalation:** Relocate to fresh air and contact physician.

**PREPARATION:** Fully protect all adjacent and surrounding surfaces including foliage, vegetation, surrounding buildings, metal and painted surfaces for the duration of the cleaning process. Cover landscaping using plastic or wet foliage with water before and after the cleaning process. Clean when traffic is at a minimum. If needed, divert or block traffic from the area. 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, before application

of Efflorescence Remover pre-wet the surface with fresh water. Do not allow Efflorescence Remover to dry on the surface.

**APPLICATION: Read entire label before using. Use only as directed.** Apply Efflorescence Remover with low-pressure spray (25 – 50 psi). Brushing is not necessary in most cases. For porous surfaces and removal of deeply embedded stains, pre-wet the surface with fresh water before applying Efflorescence Remover. Then use a two coat application of the solution allowing 3 to 5 minutes between applications without rinsing. For best results, follow with a high-pressure fresh water rinse (1000 – 3000 psi). Use lower pressure rinse when working with sensitive substrates. Repeat application process as needed to reach desired results.

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

**COVERAGE:** Generally, one gallon of material will treat 50 – 300 square feet. Coverage rates will vary depending on surface texture, porosity and severity of stain.

**STORAGE and STABILITY:** Efflorescence Remover has a minimum 12 month shelf life if stored at temperatures between 0 C and 30 C. Protect container against light. After 12 months from purchase date, testing is required to verify the product is still active. Material kept beyond the recommended shelf life it is not necessarily unusable, but a quality control should be performed on the properties relevant to the application. Do not allow product to freeze. Freezing could decrease shelf life substantially.

**AVAILABILITY:** VanHearron's Efflorescence Remover is available in 22 oz. spray bottle and 1 gallon bottles.

**APPEARANCE:** Slightly yellow/orange  
**PHYSICAL STATE:** Liquid  
**ODOR:** Slightly acrid  
**pH:** (Typical) 2.0  
**BOILING RANGE:** Not determined  
**VISCOSITY:** Not determined.  
**EVAPORATION RATE (Butyl Acetate = 1):** Slower than butyl acetate  
**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 1.14  
**SOLUBILITY IN WATER, by wt.:** 100 %

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

**Disclaimer/Warranties:** 100% satisfaction guaranteed when used as directed. Contact VanHearron for exclusive remedy or either refund of purchase price or replacement of product. Proof of purchase within one year of purchase required. Neither manufacturer nor seller have any knowledge or control concerning the purchaser's use of the product. No expressed warranty is made by manufacturer or seller with respect to the results of any use of the product or container wherein the product is packaged. No implied warranties including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular purpose are made with respect to the product. User shall rely on his or her own information and tests to determine suitability of the product for the intended use. User assumes all risk and liability resulting from use of the product. Neither manufacturer nor seller assume any liability for personal injury, loss, or damage resulting from the use of the product. We do not suggest or guarantee that any hazards listed herein are the only ones which may exist. In the event that the product shall prove defective, buyer's exclusive remedy shall be that the seller or manufacturer shall, upon written request of buyer, replace any quantity of the product which is proven to be defective or shall, at its option, refund the purchase price of the product upon return of the product. Manufacturer shall not be responsible for use of this product in a manner to infringe on any patent held by others.