

SafeRestore

NON-HYDROFLUORIC RESTORATION DETERGENT

Description and Use

SAFERESTORE is a breakthrough detergent that provides remarkable versatility, cleaning power and safety all in one product. It is capable of removing the deepest pollution stains, mineral and metal oxide stains from a wide variety of surfaces. It is an effective coating remover and safely cleans glass and anodized aluminum when used as directed. **SAFERESTORE** won't damage or change the color of any of the substrates it is used on. **SAFERESTORE** is a great choice for cleaning historic buildings as well as modern facilities such as colleges, schools, hospitals and other government and public facilities where safety is an issue. With its spray-on/spray-off application process, **SAFERESTORE** will save hours of cleaning time versus the traditional bucket and brush method.

Advantages

- * Safe on glass when used as directed.
- * Safely cleans anodized restoration.
- * Excellent for removing virtually all stains including mineral and metal oxide stains.
- * VOC compliant
- * Low odor means it can easily be used for interior cleaning.
- * Improves productivity
- * Reduces liability
- * Cleans multiple substrates
- * Excellent for limestone, concrete and brick.
- * Capable of removing failed topical sealants and some coatings.

Limitations

- * Do not use on polished marble and metallic oxide film used for tinting glass
- * Not suitable for certain low-fire tiles when using an extended dwell time (always pre-test small area first).
- * Do not allow product to dry on surface, always rinse thoroughly.
- * Not recommended for restoration antique glass, brass, copper or bronze.

Technical Data

Appearance & Odor: Amber liquid, mild odor.
Physical State: Liquid
Vapor Pressure (mmHg): N/A
Vapor Density (air=1): N/A
Boiling Point: 212° F
Freezing/Melting Point: N/A Specific Gravity (Water =1): 1.117
Evaporation Rate: Slower than ether
Solubility in Water: Complete

Preparation

Test and protect adjacent and surrounding surfaces from exposure to the cleaning solution. Avoid direct contact with foliage. Cover landscaping using plastic or wet the foliage with water before and after the cleaning process.

Surfaces & Air Temperatures

Excessively high or low temperatures will produce poor results. Best cleaning results are obtained when air and surface temperatures are 40° F or above. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for surface to thaw. If air temperatures exceed 90° F, flash cool the surface with water before applying detergent. Do not allow product to dry on a hot surface.

Pre-Testing

Always test in an inconspicuous area prior to beginning full scale cleaning operations. Test cleaning effectiveness on each type of surface and stain.

Dilutions

Use SafeRestore undiluted for most applications. Note: Dilution of the product maybe used based on test results, application, and the severity of the staining.

Application Instructions

Before applying read: Preparation section and "Precautionary Measures" under Safety Information.

Recommended application is by low-pressure sprayer. Brushing is not necessary. One single undiluted application will remove many stains. For deep stain removal and porous surfaces, pre-wet the surface with water. Then use a double undiluted application, spaced several minutes apart without rinsing in between the applications. Follow with a pressure wash rinse of approximately 1,000 psi to 3,000 psi for the best results. Use lower rinse pressures when cleaning sensitive substrates. Extended dwell time is very important when using this safe product. Do not allow product to dry on the surface always rinse thoroughly.

Coverage Rates

Coverage rates vary from 75 – 250 sq.ft./gal depending on the surface porosity, texture and severity of staining.

Suitable Substrates

Brick, limestone, sandstone, concrete, precast, exposed aggregate, granite, unpolished marble, synthetic stone, terrazzo, anodized aluminum, EIFS, uncoated stainless steel, stucco, roofs, glass and virtually any type of construction materials. Always test product in a small area first before beginning entire project.

Stain Removal

Vanadium and manganese; any metal or mineral oxide stains; pollution stains, concrete leaching, caulk bleed, water hardness stains and sealer overspray from glass; and sealants.

Safety Information

Precautionary Measures: Always wear goggles and rubber gloves when handling this product. Do not get in eyes, on skin, or clothing. If material comes in contact with clothing, wash before reuse. Contains Hydrochloric Acid. Avoid breathing fumes. Use adequate ventilation. Though the potential for fuming of SafeRestore is minimal, take precautions to avoid exposing building occupants to fumes above permissible exposure limits (PEL) for product. Keep container closed after handling. Applicators should wear rain suit of plastic, rubber, or PVC boots and gloves, face shields, and goggles to avoid splash to bare skin or eyes. Avoid drifting of material or rinse water onto autos and pedestrians by protecting or diverting such traffic. Do not dilute SafeRestore with any product except water. Do not use for any other applications other than specified. Dispose of any empty containers according to federal, state, and local requirements. Do not remove label. Read Material Safety Data Sheet for additional safety and health hazard information prior to use.

First Aid +**Instructions in Case of Contact or Exposure**

Eyes: Flood with water 15 minutes and seek medical attention. Remove contact lenses immediately.

Skin: Wash off with soap and water, use good skin emollient. If irritation develops, seek medical attention.

Ingestion: Drink lots of water to dilute. Seek immediate medical attention. Do not induce vomiting.

Inhalation: Remove to fresh air. Call physician and seek medical attention if irritation develops.

Spill or Leak Procedures

Waste Disposal Method: Check state, local, or federal regulations for your area. Check for adequate ventilation to maintain PEL. Steps to be taken if material is released or spilled: Large spill: Dike and contain for intended use. Small spill: Soak up with an absorbent and place in approved container for disposal.

Container Handling & Storage

Store away from all other chemicals and potential sources of contamination. Keep container tightly closed when not in use. Wash thoroughly after handling. Store in a cool dry place, away from alkalis.

Notice

This product has been classified in accordance with the hazard criteria of the CFR.

Disclaimer

The information herein is given in good faith, but no warranty, either expressed or implied is made. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.

Customer Service

Factory personnel are available for assistance at 800-313-8505 and will send you additional information on products as necessary.