



FOR PROFESSIONAL USE ONLY

SPEC DATA SHEET

Heritage Restorer is a restoration detergent designed for historical or sensitive substrates. The product is based on our thoroughly developed non-corrosive technology. Cleaning power is achieved by a combination of over 25% surfactants, mild acids to melt metal and mineral oxide residue, and water based solvents for hydrocarbon based residues.

ADVANTAGES

- Excellent for removing virtually all stains, including mineral and metal oxide stains.
- Reduces liability.
- Low odor means it can be used for interior cleaning
- Spray-on/rinse-off application process improves productivity.
- Good on multiple substrates

LIMITATIONS

- Do not allow product to dry on the surface. Always rinse thoroughly.
- Do not use on polished marble and metallic oxide film used for tinting or on self cleaning glass.
- Not suitable for certain low-fire tiles when using extended dwell times. (always pre-test a small area first.)

**For information about soft metals, please see our soft metal Issue Statements at our website for more complete guidance.*

TECHNICAL DATA

Appearance:	Amber color
Odor:	Mild Odor
Physical State:	Liquid
pH:	≥1.0
Boiling Point:	>212° F
Specific Gravity (water=1):	1.18 @ 77° F
Evaporation Rate:	N/D
Solubility in Water:	Complete
Flash Point:	N/D
Viscosity	Water thin
Decomposition Temp:	N/D
Oxidizing Properties:	N/D

PREPARATION

Protect adjacent surfaces and surrounding building hardware not intended to be cleaned from exposure to the cleaning solution. Avoid direct contact with foliage. Cover landscape using plastic or wet the foliage with water before and after cleaning. Avoid wind drift on surrounding surfaces such as auto and pedestrian traffic.

SURFACE & AIR TEMPERATURES

Excessively high or low temperatures will produce poor results and possible harm. Best cleaning results are obtained when air and surface temperatures are above 40°Fahrenheit or less than 90°Fahrenheit. Do not clean when temperatures are below freezing or will be overnight. If freezing conditions exist, allow adequate time for the surface to thaw. If air temperatures exceed 90° Fahrenheit, flash cool the surface with water before applying product. Do not allow products to dry on the surface. Always rinse thoroughly while still wet.

PRE-TESTING

Always test prior to beginning full-scale cleaning operations. Pre-testing will determine suitability and effectiveness on each type of surface and stain designated to be cleaned. Pre-testing will also determine dwell times and number of applications required to achieve desired results. Pre-testing will show any potential or adverse reactions to adjacent surfaces. Allow test areas to thoroughly dry before evaluating final appearance and results

PRE-TESTING - WINDOWS, WINDOW FRAMES, DOOR FRAMES

The best way to test windows, window frames, and door frames is to apply the suggested product to the end of a pencil eraser and place a small dot on each of the surfaces in question. Allow the product to dry on the surface (10 to 15 min). Rinse completely and check the results. If this produces any type of discoloration, do not allow the product to come in contact with these surfaces. They must be covered prior to cleaning.

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SAFETY INFORMATION

Always wear goggles and chemical resistant gloves when handling this product. Read the Safety Data Sheet for additional safety and health hazard information prior to use. Do not get in eyes, on skin, or on clothing. wear contact lenses when using this product. If material comes in contact with clothing, wash before re-use. Do not dilute this product with any other product except clean water. Do not use any other application other than specified in the application instructions. Keep container closed when not in use. Use with adequate ventilation. Use NIOSH/MSHA approved respiration devices when

Do not **CAUTION: KEEP AWAY FROM CHILDREN**

CHEMTEL 24 HOUR EMERGENCY RESPONSE SERVICE NUMBER - 1-800-255-3294

SUITABLE SUBSTRATES

The following substrates have been tested on and are deemed suitable under standard conditions. Pre-testing is always recommended prior to full-scale cleaning.

- ✓ Sandstone
- ✓ Brick
- ✓ Limestone
- ✓ Concrete
- ✓ Precast
- ✓ Exposed Aggregate
- ✓ Granite
- ✓ Unpolished Marble
- ✓ Synthetic Stone
- ✓ Terrazzo
- ✓ Anodized Aluminum
- ✓ EIFS
- ✓ Uncoated Stainless Steel
- ✓ Stucco
- ✓ CAST STONE
- ✓ Glass

While this list is extensive, there are other substrates that Heritage Restorer may be suitable for that are not listed. Every cleaning situation is unique in its own way, so please follow all precaution, pre-testing and application instructions included in this Product Data Sheet.

STAIN REMOVAL

Heritage Restorer can remove a multitude of stains including:

- ✓ Vanadium
- ✓ Manganese
- ✓ Mineral Oxide Stains
- ✓ Pollution Stains
- ✓ Concrete Leaching
- ✓ Caulk Bleed
- ✓ Hard Water Stains on Glass and Concrete
- ✓ Sealer Overspray from Glass

DILUTIONS

Heritage Restorer is always used undiluted.

COVERAGE RATES

Coverage rates with Heritage Restorer will vary from 75-250 sq. ft. per gallon depending on the surface porosity, texture, ambient temperature, craftsmanship, and severity of staining.

APPLICATION INSTRUCTIONS

1. Pre-wet the surface (do not saturate) with water before applying Heritage Restorer.
2. For best results, apply Heritage Restorer with a low pressure sprayer (brushing is not necessary).
3. For the lighter soils, a single application with a 10 minute dwell time will remove many of the stains.
4. For deeper soils or very porous surface, a double application with 10 minute dwell for the first application; then reapply and allow up to 1 hour total dwell time will provide the best results. Do not rinse between applications.

RINSING

Proper rinsing techniques determine the final look and quality of the job. A thorough rinse job is always recommended; however, our chemistry never requires flooding the surface. Heritage Restorer can be rinsed using cold water. Pressures that mark the surface should be avoided. When in doubt, follow the manufacturers recommended P.S.I. for the substrates. **Do not use a zero-degree nozzle.**



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Caution: Do not allow the product to dry on a surface.

SPILL OR LEAK PROCEDURES

Check with state, local, or federal regulation for waste disposal methods in the area. Wear proper protective equipment while doing clean-up. For large spills, dike and contain for intended use. For residual, use a chemical absorbent material. For small spills, use a chemical absorbent material and place in an approved container for disposal.

CONTAINER HANDLING/STORAGE

Store product in a cool, dry place away from alkali-based materials. Vent the bung cap before opening. Keep container tightly closed when not in use. Wash thoroughly after handling. For best results, liquid should be 32° F or higher prior to use.

INSTRUCTIONS IN CASE OF CONTACT OR EXPOSURE

Eyes: Flood with water for 15 minutes. If irritation develops, seek medical attention.

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

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

Inhalation: Move to fresh air. If irritation develops, seek medical attention.

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 be sure or guarantee these are the only hazards which exist.

CUSTOMER SERVICE

Factory personnel are available for assistance Monday through Friday from 8am to 5pm EST at (724) 656-1055. Questions can also be sent to info@eacochem.com. A reply can be expected by the following business day or FaceTime and Call from the Wall is available while on jobsite.

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