



URBAN HIGH RISE SYSTEM

RESTORING URBAN HIGH RISES

RESTORE
EVERYTHING
SAFELY®

Safe Urban High Rise Restoration System
& Biodegradability Statement And Protocols

THE WAVE OF THE FUTURE

ONE CHOICE...BECAUSE IT WORKS!

FOR PROFESSIONAL USE ONLY

THE BEST INFORMED CHOOSE



EaCo Chem has been producing exceptional cleaning chemicals for decades with nothing but the best results. Our chemistry has been approved worldwide on many projects. Professional cleaners that choose to stay ahead of their competition have one thing in common - the desire to be the best. That includes using the best chemicals.



One Bank of America Center - concrete, glass, OneRestore

INDUSTRIES WE SERVE:

- RESTORATION
- NEW CONSTRUCTION
- WINDOW RESTORATION
- HARDSCAPE
- PAINT STRIPPING
- HOUSE & DECK
- FLEET WASHING

SAFE, COST EFFECTIVE, EXCELLENT CLEANING RESULTS!



OneRestore® is a breakthrough product that provides remarkable versatility cleaning power and safety all in one. Capable of removing the deepest stains from virtually any surface. It is also used to safely restore glass and anodized aluminum.



Helmsley Medical Tower NY - precast, brick, glass
OneRestore high-rise



WI Depart. of Health One West Wilson unpolished granite
OneRestore high-rise government

RESTORE EVERYTHING SAFELY®

THE WAVE OF THE FUTURE

THE URBAN HIGH RISE RESTORATION SYSTEM



TransAmerica "Pyramid" San Francisco, CA

In San Francisco, CA, the TransAmerica Building or "the Pyramid" is one of the most recognizable buildings in the country. When the time came to clean the building, multiple issues had to be considered.

Like many urban structures, glass comprises a large part of the structure. With Redwood trees in the background, there was no practical way to cover up the trees. OneRestore® not only cleaned the years of smog and other stains, but did so without harming the glass or Redwoods.

With the bay on one side and the ocean on the other, wind drift was a constant issue when rinsing. A low pressure initial rinse, along with an application of Cleansol BC (diluted 50 parts water to 1 part solution) neutralized the OneRestore® prior to final rinsing.



The planters with sensitive plants were directly below areas that were being cleaned. As you can see they were not covered and no damage occurred.



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There are three Principle Points of Safety when cleaning with the Urban Highrise Restoration System:

1) **Safety** - OneRestore® is not regulated by the DOT and ships non hazardous in its concentrate form. OneRestore® undiluted will not damage glass, skin or other substrates when following directions.

2) **Chlorine**, the principal engine of OneRestore®, is present in all water that is treated for consumption in the U.S.A.

3) **Neutralization** is not left to chance with this system. When applied to alkaline surfaces (limestone, mortar, concrete, etc.), OneRestore®'s acidic component is neutralized in the process of run down. Cleansol BC (50:1) is used as a second step prior to rinsing to assure neutralization of any remaining residues.

Important to note - Initial rinse should be done with low pressure to avoid any back spray. You can then follow with a higher rinse to complete the stain removal.



The Mall of America in Bloomington, MN is one of the largest indoor malls in the country. It is also the perfect example of post 1950 construction, with the wide variety of substrates used in construction.

The inset photo shows some severe staining on the lower section. OneRestore® was able to clean the multitude of substrates and still be safe enough for a mall setting.



ONE CHOICE...BECAUSE IT WORKS!

SAFE, COST EFFECTIVE, EXCELLENT CLEANING RESULTS!



UBS Building Nashville TN precast,glass OneRestore high-rise



Hyatt Hotel NY - aluminum panels & precast - OneRestore high-rise



WI Depart. of Health One West Wilson unpolished granite OneRestore high-rise government

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THE WAVE OF THE FUTURE

THE URBAN HIGH RISE RESTORATION SYSTEM



Cleansol BC is a highly dilutable, all-purpose alkaline cleaner designed to deep clean virtually any surface from panted metal to wood to EIFS. Cleansol BC is a brushless application that allows cleaning professionals to maximize their profitability while obtaining an exceptional clean. Cleansol BC is ideal for removing tough oxidation staining from industrial, governmental, educational, and residential buildings safely and effectively. Cleansol BC can be used in conjunction with HD Britenol for a tow-step house wash that will outperform ANY other house wash system on the market today.



Transamerica Pyramid CA precast exposed quartz
OneRestore with Cleansol BC high-rise



Transamerica Pyramid CA precast exposed quartz
OneRestore with Cleansol BC high-rise



Transamerica Pyramid CA precast exposed quartz
OneRestore with Cleansol BC high-rise



Transamerica Pyramid CA precast exposed quartz
OneRestore with Cleansol BC high-rise



ONE CHOICE...BECAUSE IT WORKS!

PRINCIPLE POINTS

1. OneRestore® ships and is considered to be non hazardous/non corrosive in its concentrate. That is, it does not damage glass, paint, skin, or other substrates undiluted.

2. Chlorine, the principal engine of OneRestore®, it is present in all water that is treated for consumption in the U.S.A.

3. Neutralization has not been left to chance in this instance. OneRestore® is acidic and once you have applied the product to alkaline materials such as (limestone, mortar, aggregate, etc...), the two run over each other creating neutralization before the chemical runs off. Cleansol is used as a second step prior to rinsing to assure neutralization of any remaining residues.



These pictures show trees and plants under and directly adjacent to a 43 story building being cleaned with no harm done.

APPLICATION SYSTEM

In regards to the rinsing overspray, applying OneRestore® twice at low pressure will achieve a concentration of 4 oz per sq ft. A pressure washer using a 5 gallon per minute output, spraying on a square foot for a minimum of 5 seconds (640 oz) ÷ 60 seconds per minute; results in outputs of 10.66 oz per second X 5 seconds = 53.3 oz.

This achieves a 13.3: 1 dilution level. The 5 second spray would be a minimum, 10 seconds is not unrealistic. This would double the dilution levels. Best practices would include a low pressure rinse of the chemistry from the wall before high pressure rinsing. This would create virtually no overspray and allow the chemistry to run down the wall achieving neutralization from the alkaline substrates before reaching the ground. Because low pressure rinsing is low impact, it tends to take a little longer than high pressure rinsing. This low pressure rinse leaves very little active chemistry residue in the substrate and reduces the amount of chemistry by about 90%. This means when the high pressure rinse occurs the water volume is applied to 1/10 as much chemistry increasing the dilutions by a factor of 10. A vehicle or a person could be subjected to these dilutions almost interminably and experience no detriment.

PRODUCT DISPOSAL STATEMENT

Federal, state, and local authorities regulate disposal of waste. In order to ensure compliance with these agencies, contact the proper local authorities for regulations regarding proper waste disposal methods in your area. If used product has been collected, dispose of the product to a sanitary sewer system. The SDS/MSDS information can be used to accurately indicate the hazards present in the product when contacting the sanitary treatment plant. The information is in good faith, but no warranty either expressed or implied, is made. Hazards associated with any soils removed by the product are beyond our control. 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, we cannot be sure or guaranteed that these are the only hazards that exist. All products have been classified in accordance with the hazard criteria of the Code of Federal Regulations (CFR) and the SDS/MSDS contains all the information required by the CFR.

RESTORE EVERYTHING SAFELY®

THE WAY OF THE FUTURE

RECOMMENDED DISPOSAL OF SPENT PRODUCT

OneRestore®'s DOT shipping classification is non-hazardous liquid, not regulated by the DOT. The product does not contain any known hazardous ingredients that would be rejected or deemed inappropriate in its waste stream by a municipal sanitary treatment plant. Prior tests have shown this product can have a neutral pH after use on a masonry surface followed by the subsequent rinse. If the product is not neutral, test spent liquid with either pH strips or a pH meter to determine the pH. We recommend neutralization with sodium perborate monohydrate, which may be available locally or can be purchased from EaCo Chem Inc. If the spent OneRestore® product has been collected, the next step should be to dispose to a sanitary sewer outlet. It may be appropriate to check with the sanitary treatment plant in question if prior approval is desirable. (The SDS/MSDS for OneRestore® can be used accurately to indicate the hazards present in the product when contracting the water treatment plant to make this prior determination.)



Rosslyn Plaza, North Kent VA precast, glass, OneRestore high-rise

GENERALIZED PRODUCT BIODEGRADABILITY STATEMENT

All EaCo Chem products listed in the Urban High Rise System can be classified as Biodegradable using the following information.

Current definitions of biodegradability would include; (1) capable of being decomposed by a natural biological process, (2) destruction of chemical compounds by the biological action of living organisms.

In performing an environmental safety assessment, several important aspects should be noted:

1. The need to focus on the ingredients, rather than the formulated product. Consumer products tend to lose their identity upon use.
2. The biodegradation process mitigates the environmental concentration of cleaning product ingredients.
3. To identify the environmental compartments in which the residuals of cleaning product ingredients exist.

TSCA Specified Biodegradation Protocols:

TITLE	CFR References	Protocol Source
Aerobic Aquatic	40 CFR 7963100	W.E. Gledhill method
Anaerobic Biodegradability of Organic Chemicals	40 CFR 7963140	Healy & Young ASTM method
Ready Biodegradability Modified AFNOR Test	40 CFR 7963180	OECD
Ready Biodegradability	40 CFR 7963200	OECD
Ready Biodegradability, Closed bottle	40 CFR 7963220	OECD
Ready Biodegradability, MITI Test	40 CFR 7963240	OECD
Ready Biodegradability, Sturm Test	40 CFR 7963260	OECD
Simulation Test-Aerobic Sewage Treatment	40 CFR 7963300	OECD
Inherent Biodegradability	40 CFR 7963340	OECD
Inherent Biodegradability	40 CFR 7963360	OECD

All of the products sold by EaCo Chem Inc. are biodegradable when the definitions specified above are applied. With this in mind, at no time do we advocate cleaning process that includes disposal of liquid runoff to the storm sewer.



**ALL OF EACO CHEM'S PRODUCTS
ARE DESIGNED FOR
PROFESSIONAL USE ONLY**



**HIGHEST
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CLEAN**

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