



URBAN HIGH RISE SYSTEM

RESTORING URBAN HIGH RISES WITH EACO CHEM, INC.

*Transamerica Building
San Francisco, CA*



**Ultimate
SAFE
Urban
High Rise
Restoration
System &
Biodegradability
Statement**

Principle Points of Safety of the Ultimate Safe Urban High Rise System:

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.

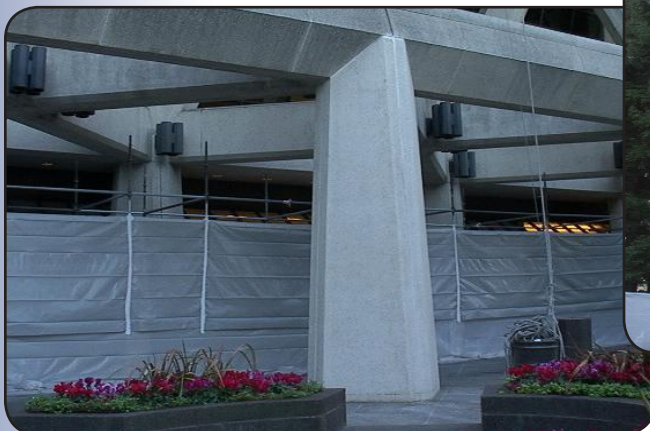
2. **Chlorine**, the principal engine of OneRestore®, it is present in all water that is treated for consumption in the U.S.A

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.



Redwood Forest

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



Sensitive Plants

Ultimate Safe Urban High Rise 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.

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.)



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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 a cleaning process that includes disposal of liquid runoff to the storm sewer.

Information on products manufactured by EaCo Chem Inc., which includes brochures, Material Safety Data Sheets (MSDS/SDS) and product data specification guidelines, are readily available at www.eacochem.com. In addition, hard copies of this information are also available upon request by calling 1-800-313-8505.