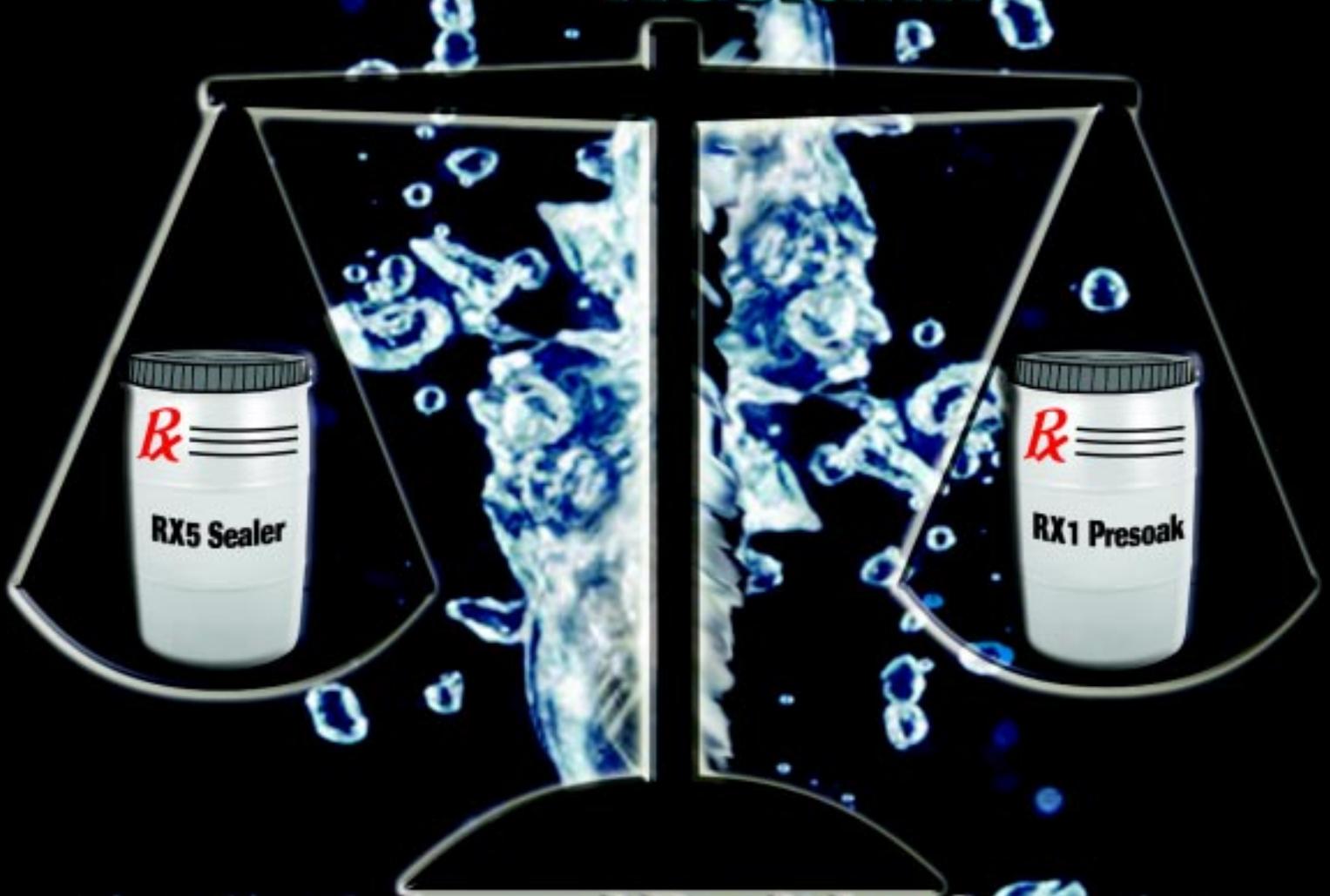


# **R** PRODUCTS

The Perfect  
Prescription for  
Reclaim



Totally Balanced Reclaim Chemistry

  
**SIMONIZ**

## The Reclaim Process

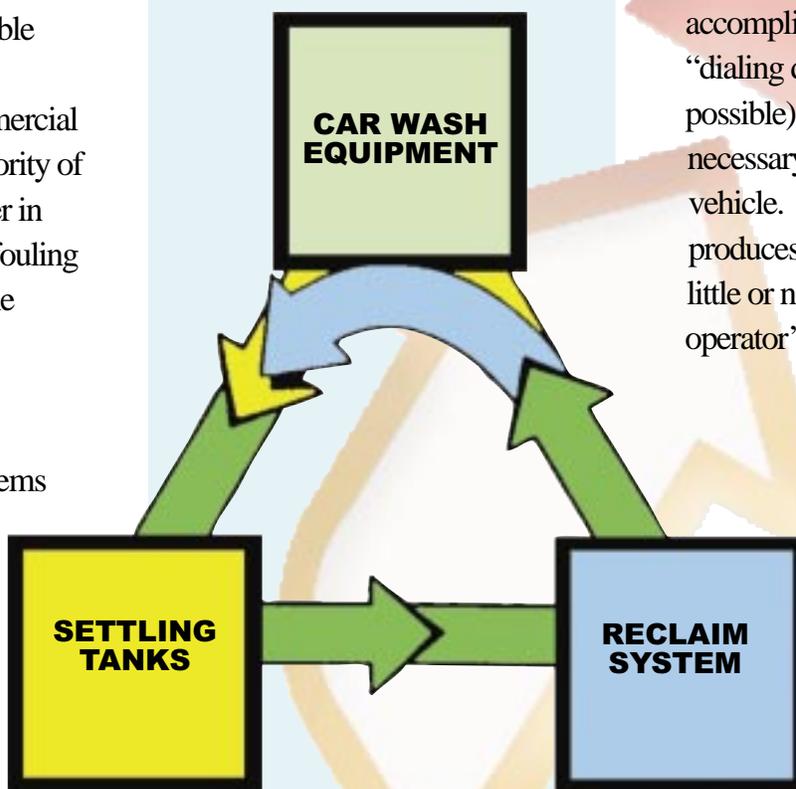
### *The Perfect Prescription for Reclaim*

For many operators in today's carwash environment, the need to reclaim or recycle a large percentage of their carwash water has become either a compliance issue or an economic reality. There are many viable water reclamation systems available today to the commercial carwash industry. The majority of these systems treat the water in two ways: filtration and defouling of odors caused by either the release of sulfur or through bacterial growth.

Additionally, many systems include a spot-free rinse produced either by reverse osmosis or deionization. In many cases, this introduction of fresh water can provide the 10% makeup needed in closed loop systems.

Water filtration is a very simple and proven commercial process that has been used in a variety of industries for decades. For the carwash industry, it is ideal for removing undissolved solids such as soil and dirt. However, its limitation is that it does not remove surfactants,

road oils and other "dissolved" solids. Some more sophisticated systems attempt to remove these "undissolved solids" through chemical processes such as adsorption, nucleation, and coagulation. However, these systems have not been proven to be commercially practical for the carwash industry.



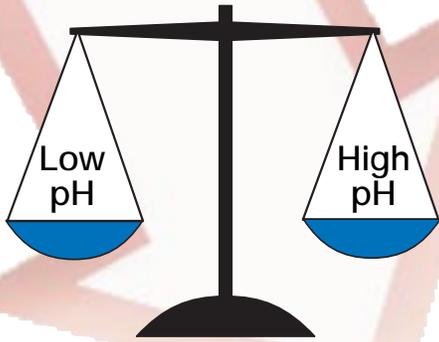
Deodorizing reclaim pits is accomplished by a variety of methods. Some of these methods include chlorination, ozonation, high voltage DC electrolysis, proprietary polishing systems, etc., etc. The goal of these systems is to kill bacteria and microorganisms that fester and produce a variety of malodors.

Up until now, however, most water reclamation companies have not addressed the need for reclaim systems to be chemically compatible. *Rather, with the very best of intentions, they have sought to find products that were compatible with their equipment as opposed to being synergistic and functional as a system.* Therefore, they have accomplished this compatibility by "dialing down" (using as little as possible) all the chemicals that are necessary to clean, dry and shine a vehicle. This practice oftentimes produces lesser quality results with little or no "show" for the operator's carwash customers.

Introducing...RX products – the first totally compatible reclaim chemistry that balances the surfactant chemistry and the pH issues to optimize any reclaim system.

# THE PERFECT PRESCRIPTION FOR RECLAIM

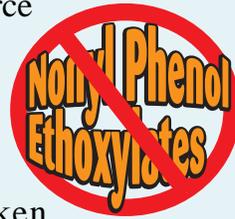
**R** products are pH balanced. A perfect reclaim system is one that maintains a pH level between 5 and 7. Systems that maintain a high pH level provide poor rinsing and create an



environment that acts as a breeding ground for bacteria and microorganisms. *Bacteria flourishes in an alkaline environment. RX products recognize this and work to produce a low pH environment. Most bacteria cannot live in an acidic environment* and, therefore, maintaining a system with a pH of 7 or below provides better rinsing and reduces the chance of bacterial growth.

**R** products are surfactant compatible. Together they create a strongly cationic system. There are no anionic surfactants present. They are a blend of totally cationic surfactants with no anionic or oil emulsifying nonyl phenol type nonionic surfactants. This cationic system defoams better, is completely compatible with

drying agents and sealers, contains no source of a sulfonic or sulfonate group which is a source of sulfur that, when broken down, causes a "rotten egg" odor.

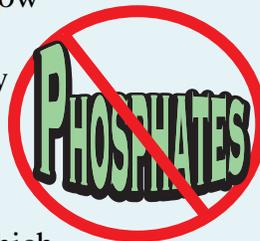


**R** products create a surfactant balanced system which contain "cationic splitters" that quickly emulsify and then



release road oils in the reclaim pit so that they float to the surface (oils being lighter than water). Since most reclaim systems draw from the mid-level of the reclaim pit, this allows you to wash and rinse with an oil-free water system.

**R** products are phosphate-free. Phosphates, as they do in fertilizers, allow organisms to grow...especially algae. Phosphates are however great sequestrants which are vital in a reclaim system. Therefore, all RX products contain sequestrants in the form of organic acids which



counteract the minerals found in reclaim water.

## 100% Biodegradable

**R** products meet all of the new California VOC requirements that are being adopted by many states.

Additionally, they contain no butyl solvents. Such solvents, although terrific oil emulsifiers, don't release the oil in the pit and tend to keep road oils in solution. This isn't a good thing!



**R** drying agents, sealers and triple foam products are all "oil free" and contain no mineral

seal oil, which can oftentimes fouls a system, as well as, leave an oily film on equipment, cloth, walls, etc. They also do not contain any reactive silicones and the dyes used in the triple foam products are non-flourescence and 100% biodegradable. The importance of this is that over time, these dyes will break down in the pit and dissipate...as opposed to a continuous build-up.



# R PRODUCTS FOR EVERY TYPE OF CAR WASH

PRODUCT	DESCRIPTION	DILUTION
<b>RX1 Presoak &amp; Prep</b>	Mildly alkaline cationic surfactant base. Excellent sequestering of hard water, emulsifies road oil quickly through either a prep arch or high-pressure gun.	50-150:1
<b>RX2 Wheel and Rim Cleaner</b>	Unique alkaline wheel and brake dust cleaner. Excellent chelating ability makes this product different than most.	5-10:1
<b>RX3 Lubricating Soap</b>	Lubricating soap, low pH brush and pad detergent. Excellent lubricity and foam combined with cleaning and free-rinsing.	200-400:1
<b>RX4 White Triple Foam</b>	Low pH white foam cationic polish, works great through compressed air foamers or foam guns. Beads up and rinses freely.	150-300:1
<b>RX4 Red Triple Foam</b>	Low pH red foam cationic polish, works great through compressed air foamers or foam guns. Beads up and rinses freely. Non-fluorescent dyes rapidly break down in pit.	150-300:1
<b>RX4 Blue Triple Foam</b>	Low pH blue foam cationic polish, works great through compressed air foamers or foam guns. Beads up and rinses freely. Non-fluorescent dyes rapidly break down in pit.	150-300:1
<b>RX4 Yellow Triple Foam</b>	Low pH yellow foam cationic polish, works great through compressed air foamers or foam guns. Beads up and rinses freely. Non-fluorescent dyes rapidly break down in pit.	150-300:1
<b>RX5 Sealer</b>	Super beading non-MSO, low pH sealer, bubble gum-scented.	300-600:1
<b>RX6 Drying Agent</b>	Low pH non-MSO drying agent. Disperses water quickly even at the fastest of line speeds.	400-800:1



*Products can be used in every type of car wash." That's good news!*

*...Doc Simo*

- **Tunnel**
- **In-Bay Automatic**
- **Self-Serve**



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