



## ZEOBRITE® POOL FILTER MEDIA

### PROCEDURE FOR REGENERATION TO REMOVE AMMONIUM IONS, PREVENT CHLORAMINE BUILDUP, AND CLEAN MEDIA TO REMOVE ORGANIC MATTER, OILS AND SCALE

Summary: A description is given below for a procedure to regenerate **Zeobrite®** Pool Filter Media in order to remove ammonium ions so that chloramine formation in pool water will be minimized. In addition, this procedure also includes a method to clean and sharpen the media's filtering capacity by removing built-up organic matter and mineral scaling. This procedure should be performed at least once per year on residential pools and approximately every 6 to 12 weeks for commercial pools, depending upon bather load and when odors build up in the facility to unacceptable levels. Chloramine levels can be determined by monitoring total combined chlorine with a DPD test.

A regenerative solution should be prepared by mixing into 5 gallons of water, 2 1/2lbs. of rock salt or table salt (NaCl). A filter cleaning solution should be prepared using a sand filter cleaner purchased at your local pool supply store that removes scale, organic matter and oil build-up. We recommend using a filter cleaner that soaks in the bed overnight.

#### Preparing the solutions (Regeneration and Cleaning combined into one step):

1. **Mix** salt into water until dissolved. The salt-water solution can then be used to prepare the filter cleaning solution if applicable. Follow the directions on the filter cleaner container. ***(Take proper precaution to protect skin and eyes when using chemicals. Always add acid to water, never water to acid. Use rubber gloves, eye protection and rinse any acid from skin or equipment with lots of water.)***
2. **Drain** water from the pool filter. **Close** all valves. **Pour regenerative/filter cleaning** solution slowly into the filter to just above the level of the media. Carbon dioxide gas may escape so the cap must be left off of the filter, or the air relief valve should be left open. The regenerative/cleaning solution should be left in the filter at least 4 hours but not longer than overnight.
3. The remaining solution in the filter contains high concentrations of sodium chloride, acid and suspended solids. **Backwash** the solution to waste. **Do Not** let this solution get into the pool or distribution lines. Keep it off of the lawn. The residual salt and acid could kill vegetation. Once backwash water becomes clear and is at normal pH, run filter on **Rinse** for one minute. **Repeat** Backwash and Rinse before turning onto **Filter Mode**.
4. The media regeneration process should reduce the need to "chlorine shock" your pool as frequently, and it will refresh the **Zeobrite®** media so that ammonium ions are removed and chloramine production is greatly reduced in the pool water.

NOTE: Routine bed cleaning maintenance will enhance the filtering capability of your **Zeobrite®** media. Natural enzymes can be used to remove body oils, suntan lotions and perspiration that can accumulate in the media. When using polymer clarifiers, the media should be cleaned periodically with one of the sand filter cleaners available at your pool dealer's store. Pool owners using **biguanide** sanitizers should clean the media bed once a month utilizing the bed cleaning material recommended by the manufacturer of the biguanide sanitizer.