

# CHEMICAL MAINTENANCE IS EASY

## ALKALINITY:

CONTROL OF THE ALKALINITY IS ONE, IF NOT THE MOST, IMPORTANT BALANCING CHEMICAL. PROPER ALKALINITY PREVENTS THE PH IN THE POOL FROM “**BOUNCING.**” “BOUNCING” IS A TERM USED WHEN THE PH OF YOUR POOL IS HIGH, THEN LOW, ETC. ADJUSTING WITH PH PLUS AND MINUS WON’T JUST LOCK YOU IN. PROPER ALKALINITY IN VINYL POOLS SHOULD BE 100 ppm TO 140 ppm.

## pH:

0 ————— 7.0 — 7.2 ————— 7.6 ————— 14.0  
Neutral

AN INDEX MEASURING THE ACID TO BASE FROM 0 TO 14. IDEALLY YOU WANT TO BE BETWEEN 7.2 TO 7.8. IF YOUR POOL IS EQUIPPED WITH A HEATER YOU MAY WANT TO CONSIDER 7.4 TO 7.8. pH RELATES DIRECTLY WITH SWIMMER COMFORT. THE HUMAN EYE RUNS IN THE RANGE OF 7.4, SO IN ORDER TO KEEP THOSE EYES FROM BURNING KEEP UP WITH THE pH. PROPER pH WILL ALSO PRESERVE ALL OF THE POOL EQUIPMENT AND THE LINER. ONE OF THE MOST IMPORTANT REASONS FOR PROPER pH IS THAT THE CHLORINE IN YOUR POOL WORKS MOST EFFICIENTLY WHEN THE pH IS 7.4, SAVING YOU MONEY IN CHLORINE.

## FREE CHLORINE:

THE MEASURE OF CHLORINE THAT IS IN THE WATER “WORKING.”. 1.0ppm TO 2.0ppm IS IDEAL. REMEMBER AS IT GETS HOTTER OUTSIDE AND THE BATHER LOAD INCREASES YOU MUST INCREASE YOUR CHLORINE PPM. TOO MUCH CHLORINE IS NOT GOOD EITHER. IT IS HARD ON THE POOL SURFACE, BATHING ATTIRE AND THE SKIN. MOST IMPORTANTLY TOO MUCH, CHLORINE **COSTS** YOU MONEY.

## TOTAL (COMBINED) CHLORINE:

A MEASURE OF THE TOTAL AMOUNT OF CHLORINE IN THE WATER. IF THIS AMOUNT IS MORE THAN THE FREE CHLORINE READING IT IS TIME TO **SUPER CHLORINATE** THE POOL. CHLORINE COMBINES WITH AMMONIA AND NITROGEN NOT ALLOWING THE CHLORINE TO KILL BACTERIA/ALGAE.

## SUPER CHLORINATING:

A TREATMENT USING HIGH DOSES OF UN-STABILIZED CHLORINE TO BURN UP THE ORGANICS IN THE WATER CREATED FROM SWIMMERS. THIS WILL FREE-UP THE CHLORINE AND GENERALLY MAKE THE WATER APPEARANCE NICER. THIS TREATMENT SHOULD BE DONE AT NIGHT AND RE-TESTED THE NEXT MORNING TO BE SURE THAT THE CHLORINE LEVEL HAS DROPPED BACK TO A NORMAL RANGE BEFORE SWIMMING. DEPENDING ON THE NUMBER AND AGE OF THE SWIMMERS A POOL SHOULD BE “SHOCKED” EVERY 7 TO 21 DAYS.

## CHLORINE STABILIZER (CYANAURIC ACID):

A CHEMICAL USED TO KEEP THE SUN FROM DRAWING THE CHLORINE OUT OF THE WATER. ONCE AGAIN MORE IS NOT BETTER. **NEVER** ADD POOL STABILIZER UNLESS ADVISED BY US.

## CALCIUM HARDNESS:

**A TERM USED IN WATER TREATMENT RELATIVE TO THE AMOUNTS OF CALCIUM AND MAGNESIUM SALTS THAT ARE PRESENT. PROPER LEVELS OF HARDNESS ARE ESSENTIAL TO LINER PRESERVATION AND REDUCED CHEMICAL COSTS.**

## ALGAECIDES:

**A CHEMICAL USED IN CONTROLLING/FIGHTING ALGAE. THERE ARE SEVERAL AVAILABLE. IT IS IMPORTANT TO USE THE CORRECT ALGAECIDE FOR THE PROPER JOB. WE WILL ALSO RECOMMEND A GOOD PREVENTIVE PROGRAM TO REDUCE THE POSSIBILITY OF ALGAE STARTING. REMEMBER, ALGAECIDES WORK IN CONJUNCTION WITH CHLORINE.**

## WATER CLARIFIER:

**CRYSTAL BRIGHT IS USED WHEN EVERYTHING IS IN-RANGE AND THE WATER IS BEING FILTERED SUFFICIENTLY. THIS CHEMICAL ASSISTS THE FILTER IN CATCHING THE VERY FINE PARTICLES IN THE WATER.**

## OTHER WATER ASSIST PRODUCTS:

SCALE AND METAL CONTROL: PREVENTS STAINING CAUSED BY METALS IN THE WATER AND EXCESSIVE SCALING FROM HIGH HARDNESS LEVELS. WE ALSO SUGGEST THAT POOLS WITH HEATERS USE A MAINTENANCE DOSE OF SCALE AND METAL CONTROL TO EXTEND THE LIFE OF YOUR COPPER HEAT EXCHANGER.

FILTER CLEANER AND DEGREASER: TWO TO THREE TIMES A SEASON A SAND FILTER NEEDS MORE THAN BACKWASHING. CARTRIDGE FILTERS REQUIRE SOAKING SEVERAL TIMES A SEASON TO IMPROVE THEIR EFFECTIVENESS. D.E. FINGERS OR GRIDS SHOULD BE SOAKED AT THE END OF EACH SWIM SEASON IMMEDIATELY AFTER CLOSING THE POOL. ADDITIONAL SOAKING MAY ALSO BE REQUIRED THROUGH THE SEASON.

TILE AND VINYL CLEANER: LEAVES A PROTECTIVE FINISH ON THE LINER TO MAKE CLEANING EASIER AND PROTECTS AGAINST THE EFFECTS OF UV. APPLY AT LEAST ONCE A WEEK.

COVER CLEANER: USED FOR CLEANING AND STORING YOUR VINYL WINTER COVER IN A BARREL FULL OF WATER.

SUPER FLOC: A CHEMICAL AGENT USED FOR SETTLING FINE PARTICLES TO THE BOTTOM OF THE POOL SO THEY CAN BE VACUUMED TO WASTE.

## **FILTRATION TIME IS THE MOST IMPORTANT INGREDIENT FOR YOUR POOL**

WE STRONGLY RECOMMEND THAT THE FILTRATION SYSTEM RUN 24 HOURS PER DAY. A LOT OF PEOPLE DO NOT FOLLOW THIS AND HAVE DECIDED TO RUN LESS THAN RECOMMENDED. IF YOU DECIDE LESS IS BETTER – 12 HOURS IS A MINIMUM AND SHOULD BE CONTROLLED BY A TIMER.

THIS DOCUMENT IS A BASIC GUIDE FOR YOU TO HAVE AN UNDERSTANDING OF WHAT TRANSPIRES WITH YOUR CHEMICALS. WHEN IN DOUBT CALL US AT

751-0101 OR 299-3099.

DON'T OVER COMPLICATE YOUR WATER, SWIM IN IT.

POOL AND SPA CHEMICALS CAN BE DANGEROUS—ALWAYS FOLLOW THE INSTRUCTIONS YOU ARE GIVEN AND NEVER MIX CHEMICALS