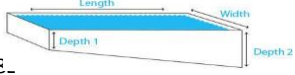


Chemical Reference Sheet SD.040



Gib-San Pool Chemical Line Cheat Sheet		
Sanitizers - Pink Flower	Algaecides - Blue Flower	Balancers - Yellow Flower
<p>GIB-SAN STICKS 250g slow dissolving 90% stabilized chlorine stick</p> <ul style="list-style-type: none"> Used for daily sanitation to destroy bacteria & algae. Maintains chlorine residual between 1-3 ppm. <p>Dosage: Fill automatic chlorinator and adjust flow rate or add to skimmer basket to maintain a chlorine residual of 1-3 ppm. Daily usage should approximate to 25g of stick/10,000L.</p>	<p>GIB-SAN ALGAECIDE HD40 40% Concentrated non foaming algaecide</p> <ul style="list-style-type: none"> Used for weekly preventative maintenance and clearing up green pools. <p>Dosage: Weekly 35ml/10,000L visible</p>	<p>GIB-SAN STAIN & SCALE PREVENT <i>Sequestriant</i></p> <ul style="list-style-type: none"> Used to deactivate metals, prevent calcium scale build-up and metal staining. <p>Dosage: If iron, copper, calcium scale or visible staining is present add 1L /75,000L . For Weekly maintenance add 30ml/10,000L.</p>
<p>GIB-SAN BROMINE TABLETS 20g slow dissolving Bromine Tablet</p> <ul style="list-style-type: none"> Used for Daily Sanitation to destroy bacteria and algae Maintains Bromine residual between 3-5ppm. <p>Dosage: Fill Brominator and adjust feed rate to assure constant Bromine residual of 3-5ppm.</p>	<p>GIB-SAN ALGAECIDE HD60 60% Concentrated non foaming algaecide</p> <ul style="list-style-type: none"> Used in GIB-SAN OPENING KIT to provide algaecide bank to start the season and clearing up yellow, black and green algae. 	<p>Enhancers - Purple Flower</p> <p>GIB-SAN FILTER PLUS Filter additive improves filtration</p> <ul style="list-style-type: none"> Used during metal removal process to help trap metals in the filtration system. <p>Dosage: For sand filters Follow directions on label. For cartridge add 1-2 cups to skimmer for each 30 sq ft of filter media.</p>
	<p>Balancers - Yellow Flower</p> <p>GIB-SAN ALKALINITY <i>Sodium bicarbonate</i></p> <ul style="list-style-type: none"> Used to increase Total Alkalinity and help balance pH. <p>Dosage: + 10ppm add 180g/10,000L Broadcast into pool.</p>	<p>GIB-SAN SWIM SOFT Concentrated multi mineral mix</p> <ul style="list-style-type: none"> Used to provide soft silky water & enhanced sanitizing. <p>Dosage: Once a year application, slowly add 1kg/10,000 Litres to the skimmer or closest return outlet.</p>
<p>Oxidizers - Orange Flower</p> <p>GIB-SAN CRYSTAL CLEAR SHOCK Multifunctional blended oxidizer with clarifier</p> <ul style="list-style-type: none"> Used for weekly oxidation to eliminate organic contaminants and restore water sparkle. Swim in 20 minutes. <p>Dosage: Apply 1 pouch per 40,000L-50,000L around the pool directly on the surface of the pool water.</p>	<p>GIB-SAN CALCIUM UP <i>Calcium chloride</i></p> <ul style="list-style-type: none"> Used to increase Calcium Hardness level . <p>Dosage: + 10ppm add 150g/10,000L Broadcast into pool.</p>	<p>Cleaners - Green Flower</p> <p>GIB-SAN TILEX Chlorinated surface cleaner</p> <ul style="list-style-type: none"> Used to clean tile, vinyl, chrome, acrylic and concrete. <p>Dosage: Sprinkle on wet brush or sponge & apply.</p>
<p>GIB-SAN CAL-HYPO Unstabilized 65% granular chlorine</p> <ul style="list-style-type: none"> Used as a strong chlorine based shock treatment to elevate chlorine above normal levels. Good for problem solving and green pools. (Triple dose) <p>Dosage: Superchlorinate pool water with 150g/10,000L. Predissolve in plastic pail, always add chemical to water.</p>	<p>GIB-SAN PH UP <i>Soda ash</i></p> <ul style="list-style-type: none"> Used to increase the pH level. <p>Dosage: SEE LABEL DIRECTIONS for amount to add.</p>	<p>GIB-SAN VINYL PLUS <i>Alkaline Surface cleaner</i></p> <ul style="list-style-type: none"> Used to clean vinyl, acrylic, fiberglass, chrome. Cleans waterline, removes oils & greases. <p>Dosage: Spray on surface & wipe off with GIB-SAN COVER CARE</p>
<p>GIB-SAN LIQUID SHOCK Unstabilized 12% chlorinating liquid</p> <ul style="list-style-type: none"> Used to elevate chlorine above normal levels, has good solubility (in cold water) and leaves no residue. Good for problem solving, cloudy and green pools. <p>Dosage: Superchlorinate pool water with 1L/10,000L. Pour Directly into water around the edges of the pool.</p>	<p>GIB-SAN PH DOWN <i>Dry granular acid</i></p> <ul style="list-style-type: none"> Used to decrease the pH level. <p>Dosage: SEE LABEL DIRECTIONS for amount to add.</p>	<p>GIB-SAN COVER CARE</p> <ul style="list-style-type: none"> Used to clean and deodorize winter covers and solar blankets. <p>Dosage: pour on cover, brush and rinse off.</p>
	<p>MURIATIC ACID</p> <ul style="list-style-type: none"> Used to decrease the Total Alkalinity or pH level. <p>Dosage: - 10ppm add 160ml/10,000L use slugging method.</p>	
	<p>GIB-SAN STABILIZER <i>Granular cyanuric acid</i></p> <ul style="list-style-type: none"> Used to Increase cya protecting chlorine from the sun. <p>Dosage: + 10ppm add 100g/10,000L through skimmer.</p>	
	<p>GIB-SAN STABILIZER STICKS <i>Slow dissolving 250g cya stick</i></p> <ul style="list-style-type: none"> Used to Increase cya protecting chlorine from the sun. <p>Dosage: + 10ppm add 100g/10,000L through skimmer.</p>	

Gib-San Pool Chemical Line Cheat Sheet											
Natural Chemistry Products	Tips & Troubleshooting										
<p>POOL PERFECT Natural Enzyme Cleaner</p> <ul style="list-style-type: none"> Used for weekly maintenance to reduce organic build-up, break down oils & greases, prevent waterline rings, odours and improve chlorine efficiency. <p>Dosage: Each week, add 1 capful per 30,000L directly to the pool water.</p>	<p>POOL VOLUME CALCULATION: Length' x Width' x Average Depth' x 28.3 = Volume in Litres $16 \times 32 \times 6(8 \text{ ft deep end} + 4 \text{ ft shallow end} / 2) \times 28.3 = 86,938L$</p>  <p>WATER CHEMISTRY IDEAL RANGES</p> <table border="1"> <tr> <td>Chlorine/Bromine</td> <td>1-3ppm/3-5ppm</td> </tr> <tr> <td>pH</td> <td>7.4-7.6</td> </tr> <tr> <td>Total Alkalinity</td> <td>120-150ppm vinyl 80-120ppm concrete</td> </tr> <tr> <td>Calcium Hardness</td> <td>150-275ppm vinyl 200-275ppm concrete</td> </tr> <tr> <td>Cyanuric Acid</td> <td>25-50ppm pools using Gib-San Sticks 50-75ppm Salt Pools</td> </tr> </table>	Chlorine/Bromine	1-3ppm/3-5ppm	pH	7.4-7.6	Total Alkalinity	120-150ppm vinyl 80-120ppm concrete	Calcium Hardness	150-275ppm vinyl 200-275ppm concrete	Cyanuric Acid	25-50ppm pools using Gib-San Sticks 50-75ppm Salt Pools
Chlorine/Bromine	1-3ppm/3-5ppm										
pH	7.4-7.6										
Total Alkalinity	120-150ppm vinyl 80-120ppm concrete										
Calcium Hardness	150-275ppm vinyl 200-275ppm concrete										
Cyanuric Acid	25-50ppm pools using Gib-San Sticks 50-75ppm Salt Pools										
<p>PHOSFREE Natural lanthanum phosphate remover</p> <ul style="list-style-type: none"> Used to remove phosphates down to zero. Works to remove phosphates in the filter. <p>Dosage: .5L will remove 300ppb phosphates/38,000L. Add dose to the skimmer and run filter for 48 hrs without cleaning. Backwash or rinse cartridges after 48 hrs.</p>	<p>CLOUDY POOL CHECKLIST Cloudy water is typically the result of several factors, each of these should be addressed to clear a cloudy pool.</p> <ol style="list-style-type: none"> 1.) Filtration/circulation: make sure filter media is clean and pump is running continuously 24/7. 2.) Make sure skimmer and pump baskets are clean of debris and pool is vacuumed. 3.) Water balance will affect clarity. High pH, high TA, high CH, high CYA, and high TDS can cause cloudy water. Test pool water and balance into the correct ideal ranges with products from GIB-SAN BALANCERS. 4.) A low chlorine level can cause a pool to go cloudy. Oxidize with a GIB-SAN OXIDIZER, double the regular dosage. 5.) Add a clarifier to help with the accumulation of unfilterable particles. Add POOL FIRST AID, 600ml/38,000L. 										
<p>POOL FIRST AID Natural Organic clarifier with enzyme</p> <ul style="list-style-type: none"> Used to clean up dead algae, pollen, and other forms of non living organic contamination. Used to clarify and clear cloudy pools. <p>Dosage: Pour around the surface of the pool at a rate of 600ml/38,000L.</p>	<p>ALGAE DESTRUCTION METHOD</p> <ol style="list-style-type: none"> 1.) Brush and vacuum pool on waste to remove as much physical debris and algae. 2.) Lower pH with GIB-SAN PH DOWN to 7.0-7.2. There is more chlorine in the killing form at a lower pH. 3.) Shock with GIB-SAN CAL-HYPO or GIB-SAN LIQUID SHOCK. Triple the regular dose. 4.) Wait 15 mins -1hr, apply GIB-SAN ALGAECIDE HD40, 150ml/10,000L or GIB-SAN ALGAECIDE HD60, 100ml/10,000L. <p>Note: If Pool is still green after 24-48hrs repeat step #3 and add more chlorine.</p> <ol style="list-style-type: none"> 5.) If pool goes from green to cloudy apply POOL FIRST AID to digest and clean up dead algae, 600ml/38,000L. 6.) Backwash sand filter and rinse off cartridge filters thoroughly to remove any leftover dead algae. 										
<p>STAIN FREE Natural Ascorbic Acid Metal Stain Remover</p> <ul style="list-style-type: none"> Used to remove metal stains from pool. Premium Stain Fighter. <p>Dosage: If surface is stained, add 454g/38,000L with pump off brushing the pool walls and floors.</p>	<p>STAIN REMOVAL PROCESS</p> <ol style="list-style-type: none"> 1.) Lower pH to 7.2 and make sure chlorine is <3ppm. 2.) Add GIB-SAN FILTER PLUS as per directions. 3.) Add 454g off STAIN FREE with pump off. 4.) Brush stained areas on the pool floor and walls. 5.) Turn pump on and add GIB-SAN STAIN & SCALE PREVENT around the perimeter of the pool 1L per 75,700L. 6.) With pump on vacuum pool surfaces thoroughly. 7.) Clean filters. <u>Sand filters:</u> backwash for at least 3 minutes. <u>Cartridge filters:</u> Clean and rinse off filter. 										
<p>CLEAN & PERFECT Natural enzyme all purpose cleaner</p> <ul style="list-style-type: none"> Used to clean pool and spa surfaces, spa covers, grills, steps, tiles - the uses are endless. Works on any surface. <p>Dosage: Apply directly on surface, let stand then wipe away.</p>											