

Reference page Ideal Water Balance Chemical Levels and Sample Chemical Labels

Dosages required to chemically treat 10,000 gallons of water

Function/Chemical	Given Change- Amount to adjust for correction
Chlorine free	Ideal is 2-3ppm Range is 1-5ppm
Combined Chlorine (BAD)	Ideal is less than 0.2 ppm
To increase Free Available Chlorine	By 1 ppm
Chlorine Gas	1.3 ounces
Calcium Hypochlorite	2.0 ounces
Sodium Hypochlorite (Bleach)	10.7 fluid ounces
Trichlor	2.4 ounces
To decrease chlorine	By 10 ppm
Sodium Thiosulfate (Neutralizer) De-chlor	2.6 ounces
Sodium Meta Bisulfite	2.4 ounces
pH	Ideal is 7.4 – 7.6 Range is 7.2 – 7.8
To raise pH	Raise the alkalinity
To lower pH	Lower the alkalinity
Total Alkalinity	Ideal 80 – 120 ppm
To increase total alkalinity	By 10 ppm
Sodium Bicarbonate (Baking Soda)	1.4 pounds
To decrease total alkalinity	By 10 ppm
Muriatic Acid (35% Hydrochloric Acid)	24 fluid ounces
Sodium Bisulfate (Dry Acid)	2.0 pounds
Calcium Hardness	Ideal for spas 200 – 400 ppm; pools a little higher
To increase calcium hardness	By 10 ppm
Calcium Chloride (100%)	0.9 pounds
Calcium Chloride (77%)	1.2 pounds
To decrease calcium hardness	
Dilution- drain some pool water and add more	
Total Dissolved Solids	Ideal is below 2000 ppm
To decrease TDS (Measure of all minerals dissolved in the water)	
Dilution- drain some pool water and add more	
Stabilizer / Cyanuric Acid	Ideal is 30-40ppm
To increase stabilizer/ cyanuric acid	10 ppm
Stabilizer/ Cyanuric Acid	13oz.
To decrease stabilizer/ cyanuric acid	
Dilution- drain some pool water and add more	