

Water Treatment Tables

Dry chemicals should first be mixed into a small amount of water
 In increments of about two pounds, and then this pre-dissolved
 Mixture can be distributed evenly around the pool unless directed otherwise



Precautions:

Never add water to acid; always add acid to water. Never add calcium chloride or other corrosive chemicals to skimmers. These can damage pump and heater elements. Always follow manufacturer's recommendations and Warnings on product labeling.

Chlorine *Raising 1 ppm*

Chlorine Type (% active)	1,000 Gallons	5,000 Gallons	10,000 Gallons	20,000 Gallons	50,000 Gallons
Sodhypo* (5%)	3 oz	13 oz	1.5 pt	3 pt	1 gal
Sodhypo* (10%)	1 oz	7 oz	13 oz	1.5 pt	2 qt
Lithium (35%)	0.4 oz	2 oz	4 oz	8 oz	19 oz
Calhypo (65%)	0.2 oz	1 oz	2 oz	4 oz	10 oz
Dichlor (56%)	0.2 oz	1 oz	2 oz	5 oz	12 oz
Dichlor (62%)	0.2 oz	1 oz	2 oz	4 oz	11 oz
Trichlor (90%)	0.1 oz	1 oz	1.5 oz	3 oz	7 oz

*This is a liquid and the calculation assumes: 1 liq. oz. = 1 dry oz., 16 oz. = 1 pint, 32 oz. = 1 quart, 128 oz. = 1 gallon

Routine shock treatments may require a 10 ppm dose while algae problems may require even higher doses. Consult product label before adding any chemical products.

Chlorine *Removal* with Sodium Thiosulfate

Desired decrease in ppm	Volume of Water						
	400 Gallons	1000 Gallons	5000 Gallons	10,000 Gallons	20,000 Gallons	50,000 Gallons	100,000 Gallons
1 ppm	0.09 oz	0.24 oz	1.19 oz	2.37 oz	4.75 oz	11.9 oz	1.48 lbs
2 ppm	0.19 oz	0.47 oz	2.37 oz	4.75 oz	9.49 oz	1.48 lbs	2.97 lbs
3 ppm	0.28 oz	0.71 oz	3.56 oz	7.12 oz	14.20 oz	2.23 lbs	4.45 lbs
4 ppm	0.38 oz	0.95 oz	4.75 oz	9.49 oz	1.19 lbs	2.97 lbs	5.93 lbs
5 ppm	0.47 oz	1.19 oz	5.93 oz	11.90 oz	1.48 lbs	3.71 lbs	7.42 lbs
10 ppm	0.95 oz	2.37 oz	11.90 oz	1.48 lbs	2.97 lbs	7.42 lbs	14.8 lbs
15 ppm	1.42 oz	3.56 oz	1.11 lbs	2.23 lbs	4.45 lbs	11.1 lbs	22.3 lbs
20 ppm	1.90 oz	4.75 oz	1.48 lbs	2.97 lbs	5.93 lbs	14.8 lbs	29.7 lbs
30 ppm	2.85 oz	7.12 oz	2.23 lbs	4.45 lbs	8.90 lbs	22.3 lbs	44.5 lbs
50 ppm	4.75 oz	11.90 oz	3.71 lbs	7.42 lbs	14.8 lbs	37.1 lbs	74.2 lbs

pH Lowering with Muriatic Acid*

pH	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	pt	oz	pts	oz	pt	oz	pt	oz	pt	oz
7.6-7.8	0	1.3	0	6.4	0	13	1	9.6	4	0
7.8-8.0	0	1.9	0	9.6	1	3.2	2	6.4	6	0
8.0-8.4	0	2.6	0	13	1	9.6	3	3.2	8	0
>8.4	0	3.2	1	0	2	0	4	0	10	0

*Treatment recommendations are affected by total alkalinity. At low alkalinity levels less acid may be required and at higher alkalinity levels more acid may be required.

pH Lowering with Dry Acid* (sodium bisulfate)

pH	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
7.6-7.8	0	1.6	0	8	0	16	1	12	5	0
7.8-8.0	0	2.4	0	12	1	4	3	8	8	0
8.4-8.4	0	3.2	0	16	1	12	4	4	10	0
>8.4	0	4	1	0	3	0	5	0	13	0

Treatment recommendations are affected by total alkalinity. At low alkalinity levels less acid may be required and at higher alkalinity levels more acid may be required.

pH Raising with Soda Ash*

pH	1,000 Gallons		5,000 Gallons		10,000 Gallons		20,000 Gallons		50,000 Gallons	
	lb	oz	lb	oz	lb	oz	lb	oz	lb	oz
7.2-7.4	0	0.6	0	3.2	0	6.4	0	12.8	2	0
7.0-7.2	0	1	0	4.8	0	9.6	1	3.2	3	0
6.8-7.0	0	1.3	0	6.4	0	12.8	1	9.6	4	0
<6.7	0	1.6	1	8	1	0	2	0	5	0

*Treatments in low alkalinity waters require less soda ash while treatments in high alkalinity waters may require more soda ash.