

## A Brief Introduction of Pool Water Chemistry

### Dry Acid Dosage Charts

(Note: ≈ 2.5 pounds of dry acid equals 1 quart of muriatic acid)

#### Lowering pH

These are very general guidelines.

However, **DO NOT** add any more than indicated in any single application.

#### Dry Acid for POOLS

pH	Gallons in Pool				
	120,000	60,000	30,000	15,000	10,000
7.6-7.8	11.2 lbs	5.6 lbs	2.8 lbs	1.4 lbs	15 oz
7.8-8.0	15 lbs	7.5 lbs	3.7 lbs	1.9 lbs	1.2 lbs
8.0-8.4	22.5 lbs	11.2 lbs	5.6 lbs	2.8 lbs	1.9 lbs
Over 8.4	30 lbs	15 lbs	7.5 lbs	3.7 lbs	2.5 lbs

If pH is over 7.6, add this amount of acid – then retest.

#### Dry Acid for SPAS

All amounts are in Ounces

pH	Gallons in Spa			
	2,000	1,500	750	400
7.6-7.8	3	2.2	1.1	.6
7.8-8.0	4	3	1.5	.8
8.0-8.4	6	4	2.2	1.2
Over 8.4	8	4.5	3	1.6

If pH is over 7.6, add this amount of acid – then retest.

#### Dry Acid (93.2%) using Taylor Acid Demand Test

# Drops	Gallons in Pool						
	400	1,000	5,000	10,000	20,000	50,000	100,000
1	.49 oz	1.23 oz	6.16 oz	12.3 oz	1.54 lbs	3.85 lbs	7.70 lbs
2	.99 oz	2.46 oz	12.3 oz	1.54 lbs	3.08 lbs	7.70 lbs	15.4 lbs
3	1.48 oz	3.70 oz	1.16 lbs	2.31 lbs	4.62 lbs	11.6 lbs	23.1 lbs
4	1.97 oz	4.93 oz	1.54 lbs	3.08 lbs	6.16 lbs	15.4 lbs	30.5 lbs
5	Add the amount indicated after 4 drops, Wait one turnover, then retest.						
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**A Brief Introduction of Pool Water Chemistry**

**Muriatic Acid Dosage Charts**

**Lowering pH**

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However, **DO NOT** add any more than indicated in any single application.

**Muriatic Acid for POOLS**

pH	Gallons in Pool				
	120,000	60,000	30,000	15,000	10,000
7.6-7.8	1.1 gal	2.2 qt	1.1 qt	1.1 pt	12 fl oz
7.8-8.0	1.5 gal	3 qt	1.5 qt	1.5 pt	1 pt
8.0-8.4	2.2 gal	1.1 gal	2.2 qt	1.1 qt	1.5 pt
Over 8.4	3 gal	1.5 gal	3 qt	1.5 qt	1 qt

If pH is over 7.6, add this amount of acid – then retest.

**Muriatic Acid for SPAS**

**All amounts are in Fluid Ounces**

pH	Gallons in Spa			
	2,000	1,500	750	400
7.6-7.8	2.4	1.9	.9	.5
7.8-8.0	3.2	2.4	1.2	.6
8.0-8.4	4.8	3.6	1.9	1
Over 8.4	6.4	4.8	2.4	1.3

If pH is over 7.6, add this amount of acid – then retest.

**Muriatic Acid using Taylor Acid Demand Test**

# Drops	Gallons in Pool						
	400	1,000	5,000	10,000	20,000	50,000	100,000
1	.37 fl oz	.92 fl oz	4.58 fl oz	9.16 fl oz	1.15 pt	1.43 qt	2.86 qt
2	.73 fl oz	1.83 fl oz	9.16 fl oz	1.15 pt	1.15 qt	2.86 qt	1.43 gal
3	1.10 fl oz	2.75 fl oz	13.7 fl oz	1.72 pt	1.72 qt	1.07 gal	2.15 gal
4	1.47 fl oz	3.67 fl oz	1.15 pt	1.15 qt	2.29 qt	1.43 gal	2.86 gal
5	<p>Add the amount indicated after 4 drops, Wait one turnover, then retest.</p>						
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**A Brief Introduction of Pool Water Chemistry**

**Sodium Carbonate (Soda Ash) Dosage Charts**

**Raising pH**

These are very general guidelines.  
However, **DO NOT** add any more than indicated in any single application.

**Soda Ash for POOLS**

pH	Gallons in Pool				
	120,000	60,000	30,000	15,000	10,000
7.2-7.4	4.5 lbs	2.25 lbs	1.1 lbs	9 oz	6 oz
7.0-7.2	6 lbs	3 lbs	1.5 lbs	12 oz	8 oz
6.8-7.0	8 lbs	4 lbs	2 lbs	1 lb	12 oz
Under 6.8	12 lbs	6 lbs	3 lbs	1.5 lbs	1 lb

If pH is under 7.4, add this amount of soda ash – then retest.

**Soda Ash for SPAS**

**All amounts are in Ounces**

pH	Gallons in Spa			
	2,000	1,500	750	400
7.2-7.4	1.3	1	.5	.2
7.0-7.2	1.5	1.1	.6	.3
6.8-7.0	2.5	1.9	.9	.5
Under 6.8	3	2.2	1.1	.6

If pH is under 7.4, add this amount of soda ash – then retest.

**Soda Ash using Taylor Base Demand Test**

# Drops	Gallons in Pool						
	400	1,000	5,000	10,000	20,000	50,000	100,000
1	.21 oz	.51 oz	2.56 oz	5.13 oz	10.3 oz	1.6 lbs	3.2 lbs
2	.41 oz	1.03 oz	5.13 oz	10.3 oz	1.28 lbs	3.20 lbs	6.41 lbs
3	.62 oz	1.54 oz	7.69 oz	15.4 oz	1.92 lbs	4.81 lbs	9.61 lbs
4	.82 oz	2.05 oz	10.3 oz	1.28 lbs	2.5 lbs	6.41 lbs	12.8 lbs
5	Add the amount indicated after 4 drops, Wait one turnover, then retest.						
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