

## **Adding Chlorine Compounds to The Swimming Pool**

When chlorine compounds are added to a swimming pool to disinfect and oxidize the water, the active chlorine (HOCl) gets used up and the other elements of the compound will build up. When the active chlorine does its job and gets used/consumed, it converts to chloride, i.e. salt which also builds up in the pool water.

The following chart shows the rate of build-up of salt and other chemicals per 10ppm of chlorine added to a swimming pool using the various chlorine compounds.

<b>Chlorine Compound (10 ppm)</b>	<b><u>Salt</u> Build-Up (in ppm)</b>	<b><u>Chemical</u> Build-Up (in ppm)</b>
Sodium Hypochlorite (10 ppm)	<b>16.4 ppm</b>	
TiChlor (10ppm)	<b>8.2 ppm</b>	Cyanuric Acid <b>6.1 ppm</b>
DiChlor (10ppm)	<b>8.2 ppm</b>	Cyanuric Acid <b>9.1 ppm</b>
Calcium Hypochlorite (10ppm)	<b>8.2 ppm</b>	Calcium Hardness <b>7 ppm</b>

**ACKNOWLEDGMENT:** These ratios are published online at the forum: [TroubleFreePool.com](http://TroubleFreePool.com). by Richard Falk, aka "ChemGeek". He has also published them on various other forums and articles that he has written.