



APPLICATION:

Startup procedure for pools, spas, and hot tubs

A freshly filled pool or in early spring-before algae proliferates, clean the pool area, remove leaves and other debris and vacuum. Check and verify the operational condition of the pump, heater, and other equipment. Clean or backwash the filter, run the filter continuously through the startup process. Obtain a complete analysis of the source water from the local distributor or city water plant. Calculate the accurate pool water volume in Litres. If unsure of the water volume check with your local Distributor or use the OCION Mobile App for assistance. First balance the water parameters to achieve the recommended ranges by following the steps below. It may take several days, be patient. Water may become green at this point. It is not a concern as this is common on initial startup as the Biofilm in pipes and Algae is killed.

1. Measure and Adjust the water chemistry as laid out below:

Important: Properly balanced water is critical to success for ALL Pools and Spa's

- Alkalinity: Balance to levels between 50 - 150 ppm
- pH: Balance the water pH to about 7.2-7.6.
- Calcium Hardness: 100 to 350ppm, (to lower dilute with fresh water).
- Retest the pH, alkalinity, and hardness after 24 hours, adjust if needed.

2. Measure the chlorine levels in the pool.

- When used in conjunction with chlorine/Bromine: Adjust to 0.5 ppm.
- Chlorine levels should never exceed 1.0 ppm when used with OCION BLUE

3. Apply OCION BLUE (same rate for pools, spas, and hot tubs)

- Apply product as recommended: 1L per 10,000L of water to provide 1ppm copper
- Maintain total copper level between 0.7 and 1.0ppm. use the OCION Mobile App's to help with accurate OCION BLUE calculations.

4. Weekly Maintenance

- Test Copper : 0.7 to 1 ppm range (Do not allow the copper level to drop below 0.5)
- Test pH: levels should be maintained between 7.2 - 7.6.
- Test alkalinity: 50 - 150ppm
- Adjust if needed.
- Depending on usage and water quality, add 1 to 2 teaspoons (5 mL to 10 mL) of non - Chlorinated shock.

NOTE: elevated water temperatures in spas and hot tubs require monitoring water quality and pH/ alkalinity adjustments more frequently than pools.

5. Regular Maintenance: When replacing water repeat steps 1 and 2.

6. Winter Application: To close the pool in the winter, raise the copper level to 1.2ppm.

Note: When used as directed, OCION BLUE provides extended water protection by eliminating algae, reducing bacteria, and increasing bacterial control capacity of primary disinfectants.

Note: If you are experiencing issues with unwanted metals (ex: iron, manganese) or phosphates, treat and correct these before adding OCION BLUE. Do not use stain & scale / metal sequestrant products while using OCION BLUE.