

## SYMPTOM

## PROBABLE CAUSE

## SOLUTION

### Water is Cloudy and Hazy

- Faulty, dirty or damaged filter, undersized filter, or pump and filter not operating long enough.
- Low chlorine.
- High pH, total alkalinity and/or calcium hardness.
- Algae present (even though it may be dead).
- Minerals in the pool water (calcium or magnesium).

- Check to see if filter is running properly. Backwash or clean if necessary. If filter is clean, run continuously for 48-72 hours. (Under normal circumstances, the filter should run a minimum of 10 hours per day.) When not working properly, the filter will cause your chemicals to work much harder, costing you money.
- Test the pool water for chlorine. If needed, add Robelle Chlorine as directed.
- Test the pool water for balance. Add Robelle pH Lower, Robelle Total Alkalinity and/or Robelle Calcium Hardness as needed.
- Add Robelle Algaecide as directed on the label.
- Adjust the pH, add Robelle Iron-Away, Robelle Mineral Out, or Robelle Super Mineral and Stain Erase
- Then add Robelle Ultimate Clarifier (4 in 1 Water treatment) as directed.

### Water Is Green

*Walls and surfaces around pool have become slimy and slippery. (Water may be cloudy.)*

- Green algae growth.
- Not enough sanitizer (chlorine) and poor water circulation.
- Other causes may include: pool not shocked recently (too many chloramines); pump and filter not running long enough; low stabilizer; improperly balanced pH and total alkalinity.

- Brush walls and floor of pool.
- Adjust pH, then treat with Robelle Powdered Shock (cal-hypo), Robelle Shock Treat (liquid) or Chlorinating Shock (56% dichlor).
- Keep filter running and vacuum dead algae.
- Add Robelle Algaestroy 50 as directed to kill the algae and prevent future growth.
- Always use algaecide weekly to prevent algae growth.

## SYMPTOM

**Water is Reddish-Brown or Green and has Pool Stains.**

## PROBABLE CAUSE

- Iron, copper or other metals and minerals in the pool water.

## SOLUTION

- Adjust pH, add Robelle Iron-Away, Robelle Mineral Out or Robelle Super Mineral and Stain Erase,
- Then add Robelle Ultimate Water Clarifier (4-in-1 Water Treatment) as directed.

## Dark Yellow Spots

*Walls and floors have dark yellow spots and have become slimy and slippery. Water may be yellowish and/or cloudy.*

- Yellow or mustard algae growth. (See other possible causes in "Water Is Green" section on page 1)

- Brush off the walls and floor of the pool and use Robelle Non-Foaming Algae Control as directed.
- Always use algaecide weekly to prevent algae growth.

**Water or Walls are Black and May Be Slimy and/or Slippery. Water may be cloudy.**

- Black algae growth. (See other possible causes in Water Is Green section above)

- Use Robelle Black Algaecide as directed to help kill algae and prevent future growth.

## Eye and Skin Irritation

- Poor pH control

- Check pH with test kit and adjust with either pH Rise or pH Lower until pH is 7.2 to 7.6.

## Eye and Skin Irritation With Strong Chlorine Odor

- Chloramines. Chloramines (or combined chlorine) is chlorine that is 'locked up' with contaminants and has rendered your sanitizer ineffective.
- Your goal is to have only 'free' chlorine in your pool.

- To turn your chloramines into free chlorine, adjust pH to a level of 7.2 to 7.6
- Then treat with Robelle Powdered Shock (cal-hypo), Robelle liquid Shock Treat, or Chlorinating Shock (56% dichlor), or, if you use Oxidizing Shock & Swim non-chlorine shock, you can swim 15 minutes later.
- Repeat if needed.

## High Chlorine Consumption

- Heavy bather load, high temperatures, heavy rain, wind storms, low pH.
- Chlorine stabilizer level is too low.
- Chloramines.

- Adjust pH to a level of 7.2 to 7.6. Superchlorinate with Robelle Powdered Shock (cal-hypo), Robelle Liquid Shock Treat, or Chlorinating Shock (56% dichlor). Repeat if needed.
- Check chlorine stabilizer level. Add Robelle Chlorine Stabilizer and Conditioner if needed.