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Pool Care GUIDE



hth[®]
EXTRA

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CANADA

WELCOME TO GLB® & HTH® EXTRA POOL CARE

This easy-to-use reference will explain the simple steps of caring for your swimming pool from opening day until you close it for the winter.

To get started, you will need to know the size of your pool.

My pool is _____ Liters

For rectangular pools:

Length (Meters) X Width (Meters) X Average Water Depth (Meters) X 1000
= Pool Volume in Liters

For Circular and Oval pools:

Length (Meters) X Width (Meters) X Average Water Depth (Meters) X 785
= Pool Volume in Liters

As you care for your pool, it is important for your pool water to be “balanced.” Keeping water chemistry balanced will prevent the water from becoming corrosive or forming scale deposits, both of which can damage pool equipment.

YOUR POOL WATER SHOULD BE MAINTAINED IN THE FOLLOWING RANGES:

pH: 7.2 – 7.8

Total Alkalinity: 80 – 120 ppm (parts per million)

Free available chlorine level: 1-3 ppm

Take a sample of your pool water to your authorized HTH® EXTRA or GLB® retailer regularly for a detailed analysis.

When caring for your pool, keep these precautions in mind:

- Always read label directions prior to using a chemical and use only as directed.
- Always add the chemical to water and not water to the chemical.
- Never add chemicals to the water when people are in the pool.
- Never add chemicals through the skimmer system. Pour them in front of a return line or by carefully walking around the pool to distribute.
- Never mix one chemical with another prior to adding it to the water.
- Always store chemicals in a cool and dry location out of direct sunlight.

POOL OPENING:

Refresh your pool for the start of the season in as little as three days!

DAY ONE (NEW POOLS)

1. Take a water sample to your GLB® or HTH® EXTRA professional retailer to be tested. Testing the water you are adding will allow you to identify what minerals and chemical factors may require attention later. Ensure that your stabilizer level is also checked. The ideal range should be between 30 and 50 ppm.
2. Check that your pool filter is clean. If it is not, use **GLB® Filter Cleanse** as directed. Soak the filter overnight for best results.
3. Begin filling the pool. After the pool is filled with several centimeters of water, add **GLB® Sequa-Sol® Stain Control** (120 ml/10,000 L). This will prevent minerals in the water from staining or damaging pool surfaces.
4. As the pool completes filling, add **GLB® Clear Blue® Clarifier** (30 ml/10,000 L) to clear the water of small particles. Fill the pool to the middle of the skimmer or the proper level recommended by the manufacturer. Once filled, start the pump and filtration equipment. Run the pool filter overnight or 24 hours if possible. While the filter is running, it is an ideal time to vacuum and remove any debris from the pool.

DAY ONE (EXISTING POOLS):

1. Confirm all pool equipment (pump, filter, valves, etc) is in operational condition, with baskets, lids and drain plugs in place per equipment manufacturer's recommendations.
2. Check that your pool filter is clean. If it is not, use **GLB® Filter Cleanse** as directed. Soak the filter overnight for best results.
3. Fill the pool to the middle of the skimmer or the proper level recommended by the manufacturer. Once filled, start the pump and filtration equipment. Run the pool filter overnight or 24 hours if possible. While the filter is running, it is an ideal time to vacuum and remove any debris from the pool.
4. Take a water sample to your local **GLB®** or **HTH® EXTRA** professional dealer to be tested. Testing the water you are adding will allow you to identify what minerals and chemical factors may require attention later. Ensure that your stabilizer level is also checked. The ideal range should be between 30 and 50 ppm.

DAY TWO (NEW & EXISTING POOLS)

1. Test the pH and total alkalinity (TA) levels of the pool water with **GLB®** or **HTH® 4-Way Test Strips**. Always adjust the TA level before adjusting the pH. The ideal TA range should be between 80-120 ppm. Next adjust the pH levels to between 7.2 and 7.8 by adding **GLB® pH Plus** or **GLB® pH Minus**.
2. Add **GLB® Super Shock** or **HTH® EXTRA Super Shock for Swimming Pools** or **GLB® Oxy-Brite® Non Chlorine Shock Oxidizer** to destroy any contaminants that have accumulated in the water. Follow directions on package.
3. Begin sanitizing the water by adding one of the following...
 - **GLB® Multi-Purpose Chlorinating Pucks**
 - **GLB® Duration® Chlorinating Tablets**
 - **GLB® Stabilized Chlorinating Pucks**
 - **HTH® EXTRA Multi-Purpose Chlorinating Pucks**
 - **HTH® EXTRA Duration® Chlorinating Tablets**
 - **HTH® EXTRA Stabilized Chlorinating Pucks**
 - **HTH® Granular Super 70**

Follow directions on package. Adjust the sanitizer level into the range of 1-3 ppm and allow the water to circulate overnight.

DAY THREE (NEW & EXISTING POOLS)

1. If your stabilized level is less than 30 ppm, prevent chlorine loss due to sunlight by adding **GLB® Stabilizer & Conditioner**. Follow label directions.
2. Prevent algae from developing by adding **GLB® Algimycin® 2000** algaecide or **HTH® EXTRA Algimycin®** algaecide or **HTH® EXTRA 60% Algaecide**. Follow label directions.

EASY MAINTENANCE

Keep your water crystal clear with the GLB® OR HTH® EXTRA pool care systems.

Daily: Run your filtration system between 8 and 12 hours daily.

Weekly: Remove leaves & debris from pool. Brush pool floor & walls. Empty pump & skimmer baskets. Wipe off the water line with a soft towel. Use **GLB® TLC Surface Cleaner** for heavy scum and oil build up. Test and adjust your pH and TA levels with the **GLB® 4-Way test strips**. Follow the 3-step program for your preferred **GLB®** or **HTH® EXTRA System** below.

GLB® POOL CARE SYSTEM

STEP 1. Chlorinate & Clarify with **GLB® Stabilized 3" Pucks** or **GLB® Duration® Tablets**. To keep bacteria at bay 24 hrs a day check your chlorine levels & adjust to between 1-3 ppm. Follow directions on package.

STEP 2. SHOCK TREAT: Add **GLB® Super Shock** or **GLB® Oxy-Brite® non-chlorine shock** to destroy any contaminants that have accumulated in the water. Follow directions on package.

STEP 3. PREVENT ALGAE: Add a preventative dose of **GLB® Algimycin® 2000 Algaecide**. Follow directions on package.

PREVENTATIVE POOL CARE:

Add **GLB® Sequa-Sol® Stain Control** (30 ml/10,000 L) to rid water of contaminants. Add **GLB® Natural Clear™ Enzyme Treatment** (60 ml/10,000 L) to prevent an oily scum line. Add **GLB® Clear Blue® Clarifier** (30 ml/20,000 L) to remove particles that dull the water.

Check the filter operation and refer to the filter manufacturer's direction regarding when to backwash or clean the filter. Use **GLB® Filter Rinse** each time the sand filter is backwashed.

HTH® EXTRA POOL CARE SYSTEM

Step 1. Chlorinate & Clarify with **HTH® EXTRA Duration® Tablets** or **HTH® Extra 3" Pucks**. To keep bacteria at bay 24 hrs a day check your chlorine levels & adjust to between 1-3 ppm. Follow directions on package.

STEP 2. SHOCK TREAT: Add **HTH® EXTRA Super Shock for Swimming Pools** to destroy any contaminants that have accumulated in the water. Follow directions on package.

STEP 3. PREVENT ALGAE: Add a weekly preventative dose of **HTH® EXTRA 40% Algaecide** or **Algimycin® 2000 Algaecide**. Follow directions on package.

POOL CLOSING

Ensure an easy spring start up when you close your pool correctly.

Firstly, prepare the equipment.

1. Brush pool walls and floor. Vacuum any debris from the pool floor.
2. Clean the filter with **GLB® Filter Cleanse**.
3. Lower the water level if you live in an area where the water freezes during the winter season. Drain all the water from pipes, pumps, heaters, filters and other pool equipment to prevent damage due to freezing temperatures. If you live in a mild climate where the pool is left full and uncovered, refer to the manufacturer's directions to determine if the filtration system should continue to operate.

Secondly, treat the water.

1. Add **GLB® Super Shock** or **HTH® EXTRA Super Shock for Swimming Pools** or **GLB® Oxy-Brite® Non-Chlorine Shock Oxidizer** to destroy organic contaminants. Follow label directions.
2. Add a winterizing dose of **GLB® Algimycin® 2000** algaecide or **HTH® EXTRA Algimycin®** algaecide, **GLB® Algimycin® Poly 60 Algaecide** or **HTH® EXTRA 60% Algaecide** to prevent algae growth throughout the season. Follow label directions.
3. Add **GLB® Sequa-Sol® Stain Control** to protect the pool from stains and scale formation.

If you live in a mild climate where the pool is left full and uncovered with the filtration system still operating, regularly follow your **GLB®** or **HTH® EXTRA** preferred 3-step system. Read labels for winter dosing instructions. Note: For added convenience you can use the **GLB® Pool Closing Kit** (Treats up to 100,000 L), which comes complete with **GLB® Oxy-Brite®** non-chlorine shock oxidizer, **GLB® Sequa-Sol® Stain Control** and **GLB® Algimycin® 2000** algaecide. Follow winter dosing directions on the package.

THE GLB® & HTH® 3-STEP SYSTEMS

The HTH® EXTRA brand is dedicated to offering you convenient systems approach to pool care. The simple three-product, three-step systems are available exclusively at your professional HTH® EXTRA Pool Retailer.

Choose from the HTH® EXTRA Duration® System or the HTH® Extra 3" Puck systems featured in this booklet.



HTH® EXTRA Duration® System



HTH® EXTRA 3" Puck system

Leave the complicated decision making at the office and escape to your own backyard: The GLB® Systems. These simple three-product, three step systems are available exclusively at your authorized GLB® Retailer. Choose from the GLB® 3" Puck System or the GLB® Duration® Tablet System.



GLB® 3" Puck system



GLB® Duration® Tablet System

PROBLEM SOLVER

Always read product labels carefully before use.

POSSIBLE CAUSE

SOLUTION

PREVENTATIVE MAINTENANCE

CLOUDY, DULL WATER

Dirty filter

Use **GLB® Filter Cleanse** or **GLB® Filter Fresh™** filter cleaner.

Backwash as necessary and clean filter thoroughly as needed.

pH too high

Test pH and total alkalinity. Adjust as required.

Test frequently and maintain a pH of 7.2–7.8 and a total alkalinity of 80–120 ppm.

Free chlorine residual too low

Test for chlorine residual and adjust as needed. Shock treat with **GLB® Oxy-Brite®** non-chlorine shock oxidizer or **HTH® EXTRA Super Shock for Swimming Pools**.

Maintain free chlorine level of 1–3 ppm.

Filter not removing small particles

Use **GLB® Clear Blue®** clarifier to coagulate small particles. Check filter operation.

Use **GLB® Clear Blue** clarifier weekly (30 ml/20,000 L).

Backwashing sand filters too often

Backwash less frequently, only as recommended by the filter manufacturer.

Use **GLB® Filter Fresh™** or **GLB® Filter Cleanse** twice per season to remove grease, oil and scale from filter and improve filter performance.

Dissolved metals in the water

Use **GLB® Sequa-Sol® Stain Control** to control metals in water.

Use **GLB® Sequa-Sol® Stain Control** weekly (30 ml/10,000 L) to prevent staining and scale formation.

CLOUDY, GREEN WATER

Green Algae

Use **HTH® EXTRA Super Shock for Swimming Pools** or **GLB® Super Shock** to control algae. Use **GLB® Drop N' Vac™ Flocculent** to help remove dead algae.

Use **HTH® EXTRA 60% Algaecide** (25 ml/10,000 L) or **GLB® Algimycin® 2000** algaecide (31–62 ml/10,000 L) weekly to prevent algae growth.

BLACK AND/OR DARK GREEN SPOTS

Black Algae

Use **HTH® EXTRA Super Shock for Swimming Pools** or **GLB® Super Shock** as directed. Add **HTH® EXTRA 60% Algaecide** or **GLB® Algimycin® 2000** algaecide as directed and then brush pool surfaces daily until gone. Use **GLB® Drop N' Vac™ Flocculent** to help remove dead algae.

Use **GLB® Algimycin® 2000** algaecide (31–62 ml/10,000 L) weekly to prevent algae growth. Adjust returns to provide better flow over affected areas.

YELLOW SLIME/DEPOSITS

Mustard algae

Clean filter with **GLB® Filter Cleanse** or **GLB® Filter Fresh**. Brush affected areas. Use **GLB® Algimycin® 2000** algaecide or **HTH® EXTRA 60% Algaecide**. Use **GLB® Drop N' Vac™ Clarifier** to help remove dead algae.

Use **HTH® EXTRA 60% Algaecide** (25 ml/10,000 L) or **GLB® Algimycin® 2000** algaecide (31–62 ml/10,000 L) weekly to prevent algae growth.

REDDISH, BROWN WATER

Iron or manganese dissolved in water

Use **GLB® Sequa-Sol® Stain Control** to suspend and inactivate stain-causing minerals.

Use **GLB® Sequa-Sol® Stain Control** weekly (30 ml/10,000 L).

POSSIBLE CAUSE	SOLUTION	PREVENTATIVE MAINTENANCE
CLEAR, GREEN WATER		
Dissolved copper from fill water/Corrosion of copper pipes or heater	Use GLB® Sequa-Sol® Stain Control as directed. Test and adjust pH and total alkalinity.	Use GLB® Sequa-Sol® Stain Control (30 ml/10,000 L) weekly.
STAINS & RUST		
Metals in water	Use GLB® Stain Magnet to remove stains. Follow treatment with GLB® Sequa-Sol® Stain Control to prevent staining.	Use GLB® Sequa-Sol® Stain Control (30 ml/10,000 L) weekly.
Unbalanced water	Make necessary pH and total alkalinity adjustments.	Maintain a pH of 7.2-7.8 and total alkalinity of 80-120 ppm.
CALCIUM & SCALE DEPOSITS		
pH or alkalinity too high	Test pH and total alkalinity. Adjust as required.	Use GLB® Sequa-Sol® Stain Control weekly to prevent scale-forming calcium from precipitating out of solution.
Calcium content too high	Dilute pool water with water of lower hardness. Use GLB® Sequa-Sol® Stain Control as directed.	Use GLB® Sequa-Sol® Stain Control weekly to prevent scale-forming calcium from precipitating out of solution.
SKIN & EYE IRRITATION		
Combined chlorine level is too high	Apply GLB® Super Shock or HTH® EXTRA Super Shock for Swimming Pools . Test for free chlorine residual and adjust to 1-3 ppm.	Maintain disinfectant level of 1-3 ppm at all times regardless of pool usage or weather conditions.
pH too low or too high	Test pH and total alkalinity. Adjust as required.	Maintain pH of 7.2-7.8 and total alkalinity of 80-120 ppm.
CHLORINE ODOR		
Combined chlorine level is too high	Apply HTH® EXTRA Super Shock for Swimming Pools . Test for free chlorine residual and adjust to 1-3 ppm.	Test chlorine level daily. Maintain pH of 7.2-7.8, total alkalinity of 80-120 ppm and a free chlorine residual of 1-3 ppm.
SCUM & ODORS		
Grease and oil from swimmers	Use GLB® Natural Clear™ enzyme cleaner to dissolve oils and lotions. Clean walls and surfaces with GLB® TLC surface cleaner. Thoroughly clean the filter using GLB® Filter Cleanse or GLB® Filter Fresh™ Filter Cleaner.	Shower before entering pool. Maintain a clean filter with periodic cleaning. Use GLB® Super Shock or HTH® EXTRA Super Shock for Swimming Pools or GLB® Oxy-Brite® non-chlorine shock oxidizer after heavy pool use to destroy non-filterable contaminants. Use GLB® Natural Clear™ Clarifier weekly.