

The  
**Perfect**  
**Spa**  
Guide

## A Pocket Reference Guide to EASY Spa Care.

This guide was created to:

- educate on water chemistry.
- provide techniques to obtain superior water quality.
- ensure time is spent enjoying the spa, not working on it!

**Beautiful Water... Less Money!**



**NATURAL CHEMISTRY**

## Establish

**We recommend starting with a clean, fresh spa if possible.**

If you are not pre-cleaning, proceed to the directions on page 3. It is recommended to pre-clean new spas.

### Spa Clean-Up Directions

- 1 Remove and clean filter.
- 2 Clean removed filter with **Filter Perfect™** as per directions. Rinse and let dry.
- 3 Before draining, start with **Spa Purge™** to flush non-living organic waste from spa plumbing.
- 4 Drain water and clean surfaces thoroughly with **Clean&Perfect™**.
- 5 Once spa is refilled, place clean and dry filter back into spa.
- 6 Go to the **Balance** and additional sections before proceeding to the weekly maintenance section.

See product labels for detailed instructions



## Balance

It is important to maintain the correct water balance to create the perfect conditions in which to relax. The Perfect Spa Guide has made this process as simple as possible.

### Calcium Hardness

Ideal calcium hardness level: 150-250ppm.

#### Why is calcium hardness important?

- protects tub and equipment from corrosion.

If calcium hardness level is below 150ppm, use Natural Chemistry's **Spa Calcium Hardness Increaser™** to bring it into proper range.

#### What if calcium hardness levels are high?

If the level of calcium hardness is above the ideal range, it can lead to the water appearing cloudy. It can also cause calcium deposits/scaling on the spa surface, in heater elements, on filter cartridges or in plumbing. Use Natural Chemistry's **Spa STAIN & SCALE™** to protect the spa surface and components.

See **Enhance** section of this guide.

#### QUICK TIP!

Low calcium hardness is very corrosive. Avoid using soft water in spas.



## Balance *cont'd*

Depending on the water source and frequency of water additions to the spa, the alkalinity and pH will require occasional adjustments.

### Total Alkalinity

Ideal total alkalinity level: 80-120ppm.

#### Why is total alkalinity important?

- reduces pH fluctuation in spa water.
- protects tub and equipment from corrosion.

For total alkalinity levels below 80ppm, use Natural Chemistry's **Spa Alkalinity Increaser™** to bring it into proper range.

#### What if total alkalinity is too high?

If total alkalinity is too high it can create cloudy water & scale issues. For total alkalinity levels above 120ppm, use Natural Chemistry's **Spa pH Decreaser™** as directed to lower levels to proper range.

#### QUICK TIP!

Always adjust alkalinity first and then pH after testing water.



## Balance *cont'd*

### pH Levels

Ideal pH level: 7.2-7.8.\*

\*(7.2-7.6 for maximum bather comfort).

#### Why is the pH level important?

- provides optimum water conditions for bather comfort.
- allows for optimum sanitizer efficiency.
- protects tub and equipment from corrosion.

#### What if the pH level is below 7.2?

Use Natural Chemistry's **Spa pH Increaser™** to raise it into proper range.

#### What if the pH level is above 7.8?

Use Natural Chemistry's **Spa pH Decreaser™** to reduce it to proper range.

### QUICK TIP!

It is essential to test the pH of spa water regularly



## Sanitize

Proper sanitizing of spa water is vital to kill bacteria. Sanitizer levels should be tested regularly. Chlorine or bromine can be used to sanitize spa water. Natural Chemistry provides both options. Remember to always follow label directions carefully!

### Chlorine

#### Chlorine Residual:

If using Natural Chemistry's **Chlorine Concentrate™**, maintain a chlorine residual of 1-3ppm. Follow label directions for proper dosing.



### Brominating Tablets

#### Active Bromine Residual:

If using Natural Chemistry's **Bromine Tablets™**, maintain an active bromine residual of 2-4ppm at all times. Follow label directions for proper dosing.



### One-Step Brominating Concentrate™

A one step sanitizer and oxidizer product. It can be used to maintain a bromine residual as well as to oxidize organic waste.



## Enhance

Enhancement is the key to enjoying the ultimate spa water quality. These products enhance the spa experience!

### Spa Perfect™

#### Weekly Maintenance Enzyme:

A must have enzyme maintenance product that helps reduce non-living organic waste in spas. Using this product weekly will continually clean the water, surfaces, and filter elements.

#### Why are enzymes important?

- break down gunk & grime.
- enhance water quality.
- extend filter & maintenance cycles.
- make water feel soft & silky.

#### When should Spa Perfect™ be added?

Add Natural Chemistry's **Spa Perfect™** as part of weekly maintenance as well as following heavier spa usage periods.

**Add 1 capful per 400 gallons  
(1oz per 100 gallons) per week.**

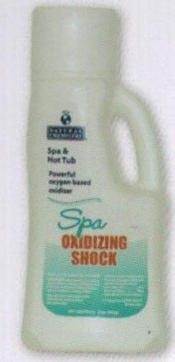


## Enhance *cont'd*

### Oxidizing

#### Oxidize Weekly:

Use Natural Chemistry's **Spa Oxidizing Shock™** to destroy odors and other spa water contaminants like: perspiration, body oils and cosmetics. Follow label directions for proper dosing.



### Cloudy Water

#### Quickly Clear Cloudy Water:

Use Natural Chemistry's **Spa Clear™** clarifier to deal with cloudy water issues. **Spa Clear™** is a natural product that can be added to the spa at any time, even when bathers are present!

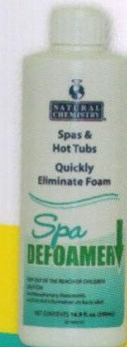


**Standard Dose: 1oz per 200 gallons**

### Foam Control

#### Prevent & Control Foamy Water:

Due to the circulation and aeration of spa water, combined with lotions and oils, unsightly foam can appear on the water surface. Use Natural Chemistry's **Spa DeFoamer™** to prevent and control foam. **Over 30 applications per 16.9oz bottle.**



## Enhance *cont'd*

Enhancing spa water may include dealing with the occasional water quality issue due to bather load, source water, or other factors.

The following products address the most common water quality problems.

### Scale Control

#### Prevent Scale Buildup & Staining:

**Spa STAIN & SCALE™** protects spas from the damaging effects of scale buildup and staining due to excessive calcium, iron, copper and other minerals. This product does not contain harsh acids.

**Initial Dose: 8oz per 200 gallons**

**Weekly Maintenance: 1oz per 200 gallons**



### Metal Control

#### Initial & Weekly Metal Treatment:

Use Natural Chemistry's **Spa METALfree™** to chelate metals that commonly occur in source water. Use weekly to prevent metal based staining.

**Initial Dose: 4oz per 400 gallons**

**Weekly Maintenance: 1oz per 400 gallons**



## Enhance *cont'd*

### Spa/Hot Tub Cleaning

#### Cleaning the Filter Cartridge:

To prevent filter problems & optimize circulation, we recommend cleaning the filter at least once per month. Natural Chemistry's **Filter Perfect™** cleans and helps restore filters to their full efficiency.



#### Cleaning Spa Surfaces & Covers:

Use Natural Chemistry's **Clean & Perfect™** to remove waterline rings caused by oils, grease and other non-living organics. This product also works great on spa covers and as a spa surface cleaner prior to refilling.



#### QUICK TIP!

Cleaning cartridges with just muriatic acid can set the oil permanently into the filter material. This can negatively impact the filter's capability with every acid cleaning.

## Weekly

### Recommended Weekly Maintenance

- Test chlorine/bromine levels to make sure they are in recommended safe operation range.
- Test alkalinity level (Alkalinity should be 80-120ppm).
- Test pH level (pH should be between 7.2-7.8)
- Shock spa with proper oxidizing agent such as: **Spa Oxidizing Shock™**, **One-Step Brominating Concentrate™** or **Spa Chlorine Concentrate™**
- Add **Spa Perfect™** weekly to control non-living organic contamination.
- Add **METALfree™** to chelate metals occurring from fill water and other sources.

## Every 3 Months

### Additional Maintenance

#### Recommended Maintenance Every 3 Months:

- Clean spa cover with **Clean&Perfect™**
  - Use **Spa Purge™** before draining spa.
  - Clean filter with **Filter Perfect™**
  - Drain water and rebalance.
  - Establish sanitizer level.
- \* Filters must be completely dry before being put back into the spa (this allows fibers to bind together after cleaning). Spare filters should be available.

#### QUICK TIP!

If spa fill water is high in calcium, it is recommended to add **Spa STAIN & SCALE™** during the fill process- see bottle directions.

## Safety

### Spa & Chemical Safety Tips

- Never allow water temperature to exceed 104°F.
- Do not drink alcoholic beverages before or during spa use.
- If you are pregnant, suffer from high blood pressure, any cardiovascular conditions or are on medication, always consult your doctor before using a hot tub.
- Keep all chemical containers sealed and out of reach of children.
- NEVER mix chemicals together before adding to spa water.
- Always add chemicals into water, never add water to chemicals.
- Store chemicals in a cool, dry place.
- Never store chemicals in direct sunlight.
- Always handle chemicals with great care.
- Always read and follow label directions carefully.

## Notes