




# Floating Sanitizing System Operating Instructions

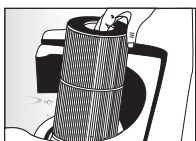
**⚠** This is not a toy. For sanitizing hot tubs only!

@ease® is the hot tub sanitizing system\* that takes the guess work out of water care so you always feel at ease while enjoying your hot tub.

## Step 1: Prepare the Hot Tub

**1.**  Fill hot tub with fresh water. If using source water that is high in iron or other metals, see your dealer before filling the hot tub. It may require the use of a metal control product.

**If previously using bromine** and switching to @ease SmartChlor, you must drain and refill your hot tub before using this product.  
**If previously using dichlor** you may convert to SmartChlor without having to drain the hot tub.

**2.**  Clean or replace filter cartridges when dirty (Follow manufacturer's instructions).

**3.** Balance water by following **STEPS a - d** in order.

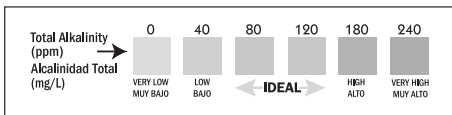
**IMPORTANT:** Always follow printed instructions on the balancing chemical packages. Add balancing chemicals in small increments one at a time with the jets on and wait 6 hours before testing again and adding any additional balancing chemicals.

| Water Balance Guidelines |               |
|--------------------------|---------------|
| pH:                      | 7.2 - 7.8     |
| Total Alkalinity:        | 80 - 120 ppm  |
| Calcium Hardness:        | 150 - 250 ppm |
| Total Dissolved Solids:  | <1500         |

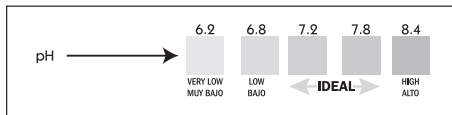
**a.** Take a water sample from the hot tub and dip an @ease Test Strip into it.



**b.** Look at the **Total Alkalinity** reading first. Adjustments should be made to bring the Total Alkalinity in the **range of 80 - 120 ppm** prior to making any adjustments to pH even if it throws pH off further.




**c.** After Total Alkalinity is in range, **test for pH**. It should be **between 7.2 and 7.8**. If higher or lower, add a pH adjuster.



**d.** Lastly **test for Calcium Hardness**. It should be **between 150 and 250 ppm**. If higher, partially drain the hot tub (about 6 inches) and fill with water low in calcium. If lower, add Calcium Increaser.

**If balancing takes longer than 2 days shock the water and maintain a chlorine level while continuing balancing.**

**4.**  **Very Important!** Before using cartridges, establish an initial residual of 0.5 - 1.0 ppm free chlorine with FROG® Jump Start® start-up shock, included in this package, that quickly dissolves with an effervescent fizzing action - one packet per 500 gallons.

**5.** Heat water to the manufacturer's recommended temperature.

**6.** Begin routine hot tub care (see Step 3: Routine Hot Tub Care) as soon as hot tub is prepared.

### @ease Mineral Cartridge

**DIRECTIONS FOR USE:** For use in hot tubs up to 600 gallons. Use with the @ease SmartChlor Cartridge. Ensure all hot tub equipment is working properly. Operate the pump and filter for at least 3 hours per day. Clean filter following manufacturer's directions. May be used with a previously filled hot tub unless it was sanitized with bromine. Then drain and fill the hot tub with fresh water. **Start-up:** Balance the water according to the water balance guidelines with pH between 7.2 to 7.8 and total alkalinity at 80 to 120 ppm. Establish a free chlorine residual of 0.5 to 1.0 ppm in the hot tub with FROG Jump Start start-up shock or an EPA approved hot tub chlorine shock following the directions for that product. When using other products as outlined in directions for this product, always follow directions on those products.

**To assemble:** **1.** Remove outer packaging. **2.** Align arrows on blue mineral cartridge and silver chlorine cartridge. **3.** Push together and twist to lock.

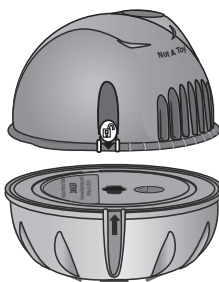
**4.** Set the dial on the chlorine cartridge (see Setting Chart in manual).

**5.** Place entire system in the hot tub water. **6.** Shock the hot tub when replacing an @ease SmartChlor Cartridge or once a month.

**Replacing the Cartridges:** Replace the @ease SmartChlor Cartridge when the system flips over. Follow label directions carefully. After four months or when draining and refilling the hot tub, replace the @ease System.

**Active Ingredient:** Silver Chloride .....0.5%  
Other Ingredients: .....99.5%  
**Total:** .....100.0%  
**KEEP OUT OF REACH OF CHILDREN CAUTION**  
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

## Step 2: Put the System To Work



TOP HALF (Blue)  
@ease Mineral Cartridge

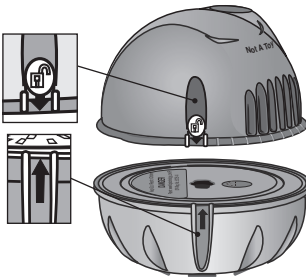
BOTTOM HALF (Silver)  
@ease SmartChlor Cartridge

**The @ease Floating System has two replaceable cartridges.**  
Blue = Mineral Cartridge  
Silver = SmartChlor Cartridge

The combination provides the Fresh Mineral Water benefits of cleaner, clearer and softer water that's easier to take care of.

### Simply follow these easy steps:


**1.**  Remove outer packaging from the SmartChlor Cartridge.

**2.**  Line up arrows on both cartridges, push together to lock.

**3.**  Setting # on the @ease SmartChlor Cartridge

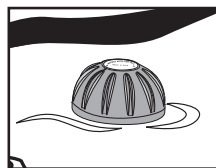
| Gallons | Setting # |
|---------|-----------|
| 200-299 | 1         |
| 300-450 | 2         |
| 451-550 | 3         |
| 551-600 | 4         |

Twist the dial on the SmartChlor Cartridge to the setting number for your hot tub. (See chart based on gallons).

**4.**  Toss into the hot tub. It will float in the water at a slight tilt.  
If you like, remove @ease from the spa while soaking. Lift out @ease and let drain into the hot tub. Place on any surface not susceptible to chlorine bleaching. Remember to return it to the hot tub afterwards.

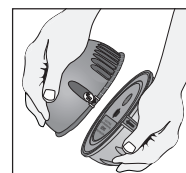
### Replacing SmartChlor Cartridges:

**When the @ease Floating System flips completely over, remove the Silver SmartChlor cartridge.**



SmartChlor cartridge will last about 3-4 weeks for an average 400 gallon hot tub.

Floating System naturally lists in the water. To check if SmartChlor is empty, lift up and drain all water from the system, then replace in the hot tub and see if it flips completely.



Detach chlorine cartridge by twisting to align with "unlock" arrow and pull apart.


Attach new cartridge (see Step 2: Put the System to Work)





Recycle empty cartridge or discard in trash.

**Note:** If the chlorine cartridge still contains a small amount after detaching, place in hot tub to float on its own until empty. Do not let it sink to bottom as it may bleach hot tub surface.

## Step 3: Routine Hot Tub Care

**1.**  Drain and refill hot tub as directed by your hot tub manufacturer or every four months when FROG minerals need to be replaced.

**2.**  Run filtration system as recommended by your hot tub manufacturer.


**3.**  Regularly test water with @ease Test Strips and follow directions in Step 1 for maintaining pH, Total Alkalinity and Calcium Hardness.


**NOTE:** pH is affected by bather load, chemicals used, evaporation and the make-up of your source water so maintaining water balance regularly is important.

**4.** SmartChlor will maintain 0.5-1.0 ppm free chlorine level as long as the water is balanced.

**NOTE: Free Chlorine levels are reduced up to 75%\* when using @ease Minerals.**

**NOTE:** Why @ease Test Strips? The SmartChlor cartridge forms a chlorine reserve that will be inaccurately measured as total chlorine on other test strips. Unlike conventional chlorine, the SmartChlor reserve readily shifts to free chlorine as needed, maintaining spa health with a low level of chlorine.

**5.**  Shock the hot tub with a non-chlorine shock when you replace the SmartChlor Cartridge or once a month.

**6.**  Replace the SmartChlor cartridge when the system flips over and the complete @ease Floating System as directed.

## Troubleshooting

### Cloudy Water or Low-Chlorine Levels

- Check water balance. pH and Total Alkalinity need to be in the proper ranges for the @ease Floating System to work correctly.
- Check SmartChlor Cartridge and replace if empty—see instructions under "Replacing SmartChlor Cartridges".
- Check your calendar. The entire @ease Floating System, including the mineral cartridge, needs to be replaced every four months. Without the minerals, SmartChlor will not be enough to sanitize the hot tub.

### SmartChlor Cartridge Life

- If hot tub is larger than 400 gallons with significant bather load, the cartridge life will be shorter.
- You can turn the dial setting down 1 number and monitor chlorine levels for a few days. If needed, turn dial down again.
- If FROG @ease continually is sucked into the skimmer or filter well, tether the product to the tub away from the jets.
- Remove FROG @ease while using the hot tub with the jets running.

### High Chlorine Levels



This is highly unlikely with @ease because SmartChlor is self-regulating. However, if you use standard test strips, it may appear that total chlorine is higher than the free chlorine.

No worries—the strip is measuring the SmartChlor reserve, which will shift to free chlorine as needed. Please always use the @ease Test Strips that were included with your System.

Learn more at [frogproducts.com](http://frogproducts.com) or call 800.222.0169

+ @ease System consists of the FROG minerals silver chloride and carbonate used with 0.5 ppm of @ease SmartChlor Cartridge. The @ease Mineral Cartridge (EPA Reg. No. 53735-11) must be used in conjunction with the @ease SmartChlor Cartridge (EPA Reg. No. 53735-14).  
\* Compared to the minimum ANSI recommended chlorine level of 2.0 ppm for a hot tub.



**Manufactured by: King Technology**  
530 11th Ave S, Hopkins, MN 55343 U.S.A.  
952-933-6118 • Customer Service 800-222-0169  
FAX 952-933-2206 [frogproducts.com](http://frogproducts.com)

Register your @ease Floating Sanitizing System at [frogproducts.com](http://frogproducts.com)

Made in U.S.A. Patents: [kingtechnology.com/IP](http://kingtechnology.com/IP)  
EPA Est. No.: 071209-AZ-001



# Sistema flotante

## Instrucciones de desinfección

⚠ Esto no es un juguete. Para desinfectar piscinas desmontables.

@ease® es el sistema de desinfección de jacuzzis que elimina la incertidumbre en el cuidado del agua, para que usted siempre esté tranquilo al disfrutar de su jacuzzi.

### Paso 1: Prepare el jacuzzi

**1.** Fuera de metal. Llene el jacuzzi con agua dulce. Si utiliza agua que proviene de una fuente con alto contenido de hierro u otros metales, consulte con su distribuidor antes de llenar el jacuzzi. Es posible que sea necesario usar un producto de control de metales.

Si anteriormente utilizaba bromo y está cambiando a SmartChlor, primero deberá drenar y volver a llenar el jacuzzi.

Si antes utilizaba dicloro, puede hacer la conversión a SmartChlor sin tener que drenar el jacuzzi.

**2.** Limpie o reemplace los cartuchos del filtro (Siga las instrucciones del fabricante).

**3.** Equilibre el agua siguiendo los PASOS DE LAS LETRAS a – d en orden.

**¡importante!** Siempre siga las instrucciones impresas en los paquetes de los químicos de mantenimiento del equilibrio. Agregue los químicos de mantenimiento del equilibrio en pequeñas cantidades de a uno por vez con la circulación en funcionamiento y espere 6 horas antes de volver a analizar y agregar químicos de mantenimiento del equilibrio adicionales.

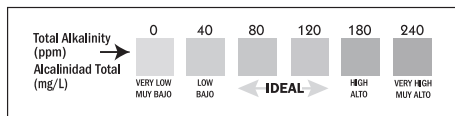
#### PAUTAS PARA EL EQUILIBRIO DEL AGUA

|                             |             |
|-----------------------------|-------------|
| pH:                         | 7,2 - 7,8   |
| Alcalinidad Total:          | 80 -120 ppm |
| Dureza cálcica:             | 150 - 250   |
| Total de sólidos disueltos: | <1500       |

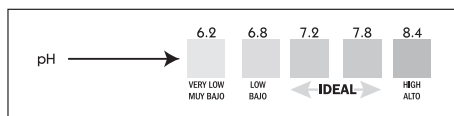
**a.** Tome una muestra de agua del jacuzzi y sumerja una tira de prueba @ease en ella.



**b.** Mire la lectura de **Alcalinidad total** primero. Se deben hacer ajustes para llevar la Alcalinidad total al rango de **80 - 120 ppm** antes de hacer ajustes al pH incluso si desequilibra el pH aun más.



**c.** Después de que la Alcalinidad total esté dentro del rango, analice el **pH**. Debe estar entre **7.2 y 7.8**. Si es mayor o menor, agregue un regulador de pH.



**d.** Por último **analice la dureza de calcio**. Debe estar entre **150 y 250 ppm**. Si está más alta, vacíe parcialmente el jacuzzi (aproximadamente 15 cm (6 pulgadas)) y llénelo con agua que tenga bajo contenido de calcio. Si está más baja, agregue un aumentador de calcio. **Si lograr el equilibrio lleva más de 2 días, aplique un tratamiento de shock al agua y mantenga el nivel de cloro mientras continúa intentando equilibrar el agua.**

**4.** ¡Muy importante! Establezca un valor residual inicial de 0.5 a 1.0 ppm de cloro libre. Para obtener los mejores resultados use FROG® Jump Start® (Reg. de EPA n.º 53735-12) que se disuelve rápidamente con una acción efervescente: un paquete por cada 1893 litros (500 galones).

**5.** Caliente el agua hasta la temperatura recomendada por el fabricante.

**6.** Comience a realizar el cuidado de rutina del jacuzzi (consulte el Paso 3) inmediatamente después de la preparación del jacuzzi.

#### @ease Mineral Cartridge

**INSTRUCCIONES DE USO:** Para usar en jacuzzis de hasta 2271 litros (600 galones) de capacidad. Utilice con el @ease SmartChlor Cartridge. Asegúrese de que todos los equipos del jacuzzi funcionen correctamente. Haga funcionar la bomba y el filtro durante al menos 3 horas por día. Limpie el filtro según las instrucciones del fabricante. Se puede usar en un jacuzzi llenado anteriormente, a menos que haya sido desinfectado con bromo. En ese caso, vacíe el jacuzzi y llénelo de nuevo con agua dulce. **Preparación:** Equilibre el agua según los lineamientos para el equilibrio hídrico, con el pH entre 7.2 a 7.8 y la alcalinidad total en 80 a 120 ppm. Establezca una cantidad residual de 0,5 a 1,0 ppm de cloro libre en el jacuzzi con el tratamiento de choque inicial FROG Jump Start o un tratamiento de choque con cloro para jacuzzis aprobado por la EPA, según las instrucciones de ese producto. Cuando emplee otros productos, como se indica en las instrucciones de este producto, siempre respete las instrucciones en esos productos

**Para amar:** **1.** Retire el empaque exterior. **2.** Alinee las flechas en los cartuchos de minerales azul y de cloro plateado. **3.** Presione para unir y gíre para enganchar. **4.** Ajuste el indicador en el cartucho de cloro (vea la Tabla de ajuste en el manual). **5.** Coloque todo el sistema en el agua del jacuzzi. **6.** Realice un tratamiento de choque del jacuzzi cuando reemplace un @ease SmartChlor Cartridge o bien, una vez por mes.

**Reemplazo de cartuchos:** Reemplace el cartucho @ease SmartChlor Cartridge cuando el sistema se invierta. Siga atentamente las instrucciones en la etiqueta. Después de cuatro meses o, cuando vacíe y vuelva a llenar el jacuzzi, reemplace el sistema @ease.

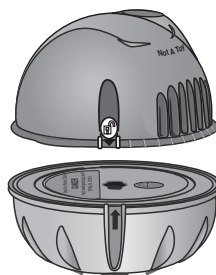
**Ingredientes activos:**  
Silver Chloride ..... 0,5%  
Otros ingredientes:.....99,5%  
**Total:** .....100,0%

MANTENGA ESTE PRODUCTO FUERA DEL ALCANCE DE LOS NIÑOS

#### PRECAUCIÓN

El uso de este producto de maneras no indicadas en su etiqueta constituye incumplimiento de la legislación federal.

## Paso 2: Active el sistema



MITAD SUPERIOR (Azul)  
Cartucho de @ease Minerals

MITAD INFERIOR (Plata)  
Cartucho de @ease SmartChlor

El Sistema flotante @ease tiene dos cartuchos reemplazables.

Azul = Mineral Cartridge  
Plata = SmartChlor Cartridge

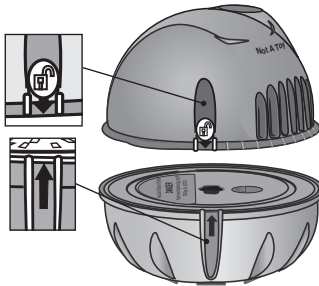
La combinación proporciona los beneficios de **un agua más limpia, clara y blanda Fresh Mineral Water®, que es más fácil de cuidar.**

### Solo tiene que seguir estos sencillos pasos:

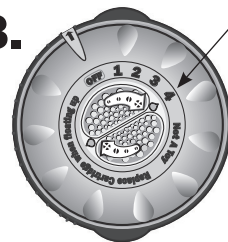
**1.** Retire la envoltura exterior de los de @ease SmartChlor.



**2.** Una los dos cartuchos y alinee las flechas. Presione para unir y gire para enganchar.



**3.** Número de ajuste en el cartucho de @ease SmartChlor



| Gráfico de Ajuste |          |
|-------------------|----------|
| Galones           | Ajuste # |
| 200-299           | 1        |
| 300-450           | 2        |
| 451-550           | 3        |
| 551-600           | 4        |

Gire el dial del cartucho SmartChlor al número de ajuste que corresponda al tamaño del jacuzzi (Consulte la tabla basada en galones).

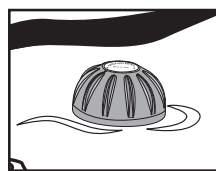
**4.** Coloque el sistema flotante en el jacuzzi y permita que flote libremente. Flotará en el agua con una ligera inclinación.



Este producto puede retirarse del jacuzzi cuando se utilice el jacuzzi. Extráigalo del agua y permita que se drene al jacuzzi. Luego, colóquelo sobre una superficie que no se decolore con el cloro. Recuerde volver a colocar el producto después de salir del jacuzzi.

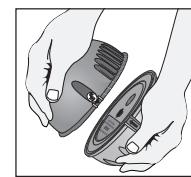
### Reemplazo del cartucho con @ease SmartChlor

**Aplique un tratamiento de choque al jacuzzi con un desinfectante sin cloro si el agua tiene aspecto turbio.**



El cartucho SmartChlor durará alrededor de 3-4 semanas en una hidromasaje promedio de 400 galones.

El sistema flotante se suspende naturalmente en el agua. Para revisar si el cartucho SmartChlor está vacío, levántelo y drene toda el agua del sistema; luego, vuelva a colocarlo en el jacuzzi y



vea si se invierte totalmente. Separe el cartucho de cloro girándolo para que quede alineado con la flecha de “desenganche” y tire para separar. Coloque el nuevo cartucho (vea el paso 2: Active el sistema).



Recicle el cartucho vacío o deséchelo en la basura.

**NOTA:** este producto puede retirarse del jacuzzi cuando se utilice el jacuzzi. Extráigalo del agua y permita que se drene al jacuzzi. Luego, colóquelo sobre una superficie que no se decolore con el cloro. Recuerde volver a colocar el producto después de salir del jacuzzi.

### Step 3: Cuidado de rutina del jacuzzi

**1.** Vacíe y vuelva a llenar el jacuzzi según las instrucciones del fabricante del jacuzzi o cada cuatro meses, cuando sea necesario cambiar los minerales FROG.



**2.** Opere el sistema de filtración según las recomendaciones del fabricante del jacuzzi.



**3.** Analice el agua regularmente. Mantenga los niveles de pH, alcalinidad total y dureza de calcio con las tiras de prueba precisas @ease.



**NOTA:** El equilibrio del agua es afectado por la cantidad de bañistas, el uso de químicos, la evaporación y la composición de la fuente del agua; por lo tanto, es importante mantener el equilibrio del agua en forma regular.

**4.** SmartChlor mantendrá un nivel de cloro libre de 0.5 a 1.0 ppm mientras el agua esté equilibrada. **Nota:** los niveles de cloro se reducen hasta en un 75 %\* al usar minerales FROG

**NOTA:** ¿Por qué tiras de prueba @ease? El cartucho SmartChlor forma una reserva de cloro que se mediría incorrectamente como cloro total con otras tiras de prueba. A diferencia del cloro convencional, la reserva de SmartChlor se convierte rápidamente en cloro libre cuando es necesario, manteniendo la salud del jacuzzi con un bajo nivel de cloro.

**4.** Aplique un tratamiento de choque al jacuzzi con un desinfectante sin cloro si el agua tiene aspecto turbio o al sustituir el cartucho o una vez al mes.



**5.** Reemplace el cartucho de @ease SmartChlor cuando se invierta el sistema. Reemplace el sistema flotante completo cada cuatro meses o al drenar y volver a llenar el jacuzzi.



### Solución de problemas

#### Agua turbia o niveles bajos de cloro

- Revise el equilibrio del agua. El pH y la alcalinidad total deben estar dentro de los límites apropiados para que el sistema flotante @ease funcione correctamente.
- Revise el cartucho SmartChlor y reemplácelo si está vacío. Vea las instrucciones en “Reemplazo de cartuchos”
- Revise el calendario. Todo el sistema flotante @ease, incluido el cartucho de minerales, debe reemplazarse cada cuatro meses. Sin los minerales, SmartChlor no será suficiente para desinfectar el jacuzzi.

#### Vida del cartucho SmartChlor

- Si la tina de hidromasaje tiene más de 400 galones o es usada por una carga significativa de bañistas, la vida útil del cartucho será más corta.
- Si el cartucho SmartChlor no está vacío, puede girar el dial para bajarlo un número y monitorear los niveles de cloro durante algunos días mientras usted mantiene el equilibrio de agua. Si es necesario, puede girar el dial para bajarlo nuevo.
- Si el FROG @ease es succionado continuamente en la espumadera o el filtro, sujételo a la tina alejado de los chorros.
- Retire el FROG @ease para usar la tina con los chorros encendidos.

#### Niveles altos de cloro

- Esto es muy improbable con @ease, ya que SmartChlor se regula automáticamente. Sin embargo, si utiliza tiras de prueba estándar, podría parecer que el cloro total es mayor que el cloro libre.

- No se preocupe: la tira mide la reserva de SmartChlor, que se convierte en cloro libre según se requiera. Siempre use las tiras de prueba @ease incluidas con el sistema.



#### Más información en frogproducts.com o llamar 800.222.0169

+ El sistema @ease consiste en los minerales FROG cloruro de plata y carbonato, utilizados en combinación con 0,5 ppm de @ease SmartChlor. El cartucho de minerales @ease (n.º reg. EPA 53735-11) debe usarse en combinación con el cartucho de SmartChlor@ease (n.º reg. EPA 53735-14).

\* En comparación con el Nivel Mínimo de bromo de 2,0 Recomendado por el ANSI PARA UN jacuzzi residencial.



**Fabricado por: King Technology**  
530 11th Ave S, Hopkins, MN 55343 U.S.A.  
952-933-6118 • Servicio al cliente 800-222-0169  
FAX 952-933-2206 frogproducts.com

#### Regístre su sistema desinfectante flotante @ease en frogproducts.com

Hecho en los EE.UU. Patentes: kingtechnology.com/IP Número de establecimiento EPA Est. No.: 071209-AZ-001

E092816553121743R5N 20-48-0192



Specifically Designed for  
Mineral Treated Spas

## SHOCK TREATMENT

### ACTIVE INGREDIENT:

|                                |         |
|--------------------------------|---------|
| Potassium Monopersulfate ..... | 32.18%  |
| Other Ingredients .....        | 67.82%  |
| TOTAL .....                    | 100.00% |

\*Equivalent to 3.26% active oxygen

## DANGER KEEP OUT OF REACH OF CHILDREN

CORROSIVE TO EYES, SKIN AND MUCOUS MEMBRANES. MAY BE HARMFUL IF SWALLOWED. Avoid contact with eyes, skin and clothing. Wash thoroughly with soap and water after handling. Avoid breathing dust. SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

Net Weight: 8 Ounces

**Shock Treatment** is a powerful oxygen-based oxidizer. When used regularly, this product will help eliminate contaminants introduced by bathers and environmental factors like rain and wind. This product will not raise chlorine levels or produce combined chlorine. This product restores sparkle and clarity to spa water. It will not increase calcium hardness or stabilizer levels. This product contains no chlorine or other disinfectants.

### DIRECTIONS FOR USE:

This product is not a sanitizer or algacide. For routine disinfection of spa water or algae control, use an EPA-registered product according to its label instructions. For routine control of microorganisms in spa or hot-tub water, use an EPA-registered Mineral Sanitizer according to its label instructions.

### READ ALL PRECAUTIONS BEFORE USE

Wear goggles and gloves when handling. Use only in residential spas. Add only when no bathers are present.

### DIRECTIONS FOR SPAS AND HOT TUBS:

This product contains no sanitizer and should be used for oxidizer treatment only. Regular use of this product will remove most of the contaminants that accumulate in spa water.

### WHEN TO ADD MINERAL BUDDIES SHOCK TREATMENT TO YOUR SPA:

Add this product to spa water after every use, or according to the instructions on your Mineral Sanitizing System.

### HOW TO USE MINERAL BUDDIES SHOCK TREATMENT TO KEEP SPA WATER SPARKLING CLEAR:

1. Add 2 ounces (4 tablespoons) of this product per 300 gallons of water as directed on your Mineral Sanitizing system. **NOTE:** Apply the required amount of this product evenly throughout the spa with the pump running. Add the full amount at one time using a clean and dry plastic scoop.
2. Run the pump for at least 30 minutes.
3. Turn the jets on and off once or twice after adding this product to improve the treatment.

### FIRST AID

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:** Call poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT.

Never add water to product. Always add product to large quantities of water. Do not mix with other chemicals. Do not add this product to any chemical feeder. Contamination with moisture, organic matter or other chemicals may cause a violent reaction leading to fire or liberation of hazardous gases. In case of contamination or decomposition, do not reseal container. If possible, isolate container in well-ventilated area. Flood with large amounts of water.

### STORAGE AND HANDLING:

Keep dry and in original container. Store in a cool, dry, well-ventilated place. Do not store with chlorine, bromine, or liquid acids. Keep container tightly closed when not in use.

**DISPOSAL:** Use entire contents, then triple rinse and offer for recycling or dispose in accordance with state and local regulations. To dispose product in partly filled containers or for large quantities call your local solid waste agency for disposal instructions. Do not reuse empty container.

**NOTE:** Buyer assumes all responsibility for safety and use not in accordance with directions.



Distributed by:  
CareFreeStuff.com  
Irwindale, CA 91706 USA



mineral  
buddies

Specifically Designed for  
Mineral Treated Spas

**PH & ALK UP**

Increases the pH and  
Alkalinity of Spa Water

ACTIVE INGREDIENT:  
Sodium Carbonate.....100%

**CAUTION**  
**KEEP OUT OF REACH OF CHILDREN**

SEE SIDE PANEL FOR FIRST AID AND  
ADDITIONAL PRECAUTIONARY STATEMENTS.

Net Weight: 8 Ounces

**Mineral Buddies pH & Alk Up** will increase the pH and alkalinity of spa water if needed. The total alkalinity of spa water should be maintained between 80 and 150 ppm. The pH should be within 7.2 to 7.8 ppm.

**DIRECTIONS FOR USE:**

**Mineral Buddies pH & Alk Up** should be used as necessary when pH is below 7.2.

**NOTE:** For best results, dissolve granular products first by adding to a small, plastic pail filled with water. Then, apply the solution to the spa water.

| pH        | Amount of pH Up to use per 500 gallons |
|-----------|--|
| 6.8 – 7.2 | 1 oz. (2 Tablespoons)                  |
| below 6.8 | 2 oz. (4 Tablespoons)                  |

1. Determine the amount of product to use.
2. Make sure equipment is OFF.
3. Add applicable amount of product to the spa water.
4. Turn on circulation system for 1 – 3 hours.
5. Retest water after 3 hours.
6. If pH is still below 7.2, repeat steps 1 – 5.

**CAUTION:** Avoid contact with skin or eyes. Wash thoroughly after handling. This product may be irritating or harmful if taken internally. Do not store this product in close contact with chlorine products. Do not mix with any other chemical – mix only with water. **NOTE:** Draining and cleaning of the spa or hot tub is recommended every 3 months. Never mix this product with any dry or liquid chlorine product as a dangerous reaction may occur.

**FIRST AID:**

**EYE CONTACT:** Hold eye open and rinse gently with cool water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If irritation occurs, get medical attention. **SKIN CONTACT:** Wash all affected areas with soap and water. Get medical attention if irritation occurs and persists. Wash clothing with warm soapy water before reuse. **IF SWALLOWED:** Rinse mouth with water. Dilute by giving 1 or 2 glasses of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist contact a doctor or a poison control center.

**STORAGE AND DISPOSAL:**

**STORAGE:** Store in a cool, dry place. Keep product in tightly closed container when not in use. Store out of reach of children and away from heat. **DISPOSAL:** Place empty container in trash or offer for recycling if available. To dispose product in partly filled containers or for large quantities call your local solid waste agency for disposal instructions. Do not reuse empty container.

**NOTE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

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Specifically Designed for  
Mineral Treated Spas

## PH & ALK DOWN

Decreases the pH and  
Alkalinity of Spa Water

**ACTIVE INGREDIENTS:**

|                         |               |
|-------------------------|---------------|
| Sodium Bisulfate .....  | 95.0%         |
| Inert Ingredients ..... | 5.0%          |
| <b>TOTAL .....</b>      | <b>100.0%</b> |

**DANGER • POISON**  
**KEEP OUT OF REACH OF CHILDREN**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.

Net Weight: 9 Ounces

**Mineral Buddies pH & Alk Down** will decrease the pH and alkalinity of spa water. The total alkalinity of spa water should be between 80 and 150 ppm. The pH should be between 7.2 to 7.8. High pH can cause scaling and/or cloudy water.

**DIRECTIONS FOR USE:**

**Mineral Buddies pH & Alk Down** should be used as necessary when pH levels are above 7.8. **NOTE:** For best results, dissolve granular products first by adding to a small container of water. Then, apply the solution to the spa water.

1. Make sure all equipment is OFF.
2. Add ¼ oz. (1-1/2 tsp.) of this product for every 500 gallons of spa water.
3. Turn ON circulation system for 30 minutes.
4. Retest water. If pH is still above 7.8, repeat steps 1-3.

**DANGER - CAUSES SEVERE BURNS**

This product contains sodium bisulfate. Avoid contact with skin, eyes, or clothing. Do not mix with household chemicals. Do not mix directly with other spa chemicals. Harmful if swallowed.

**FIRST AID:**

**IF SWALLOWED:** Call a poison control center or doctor immediately. If conscious, immediately give 2 to 4 glasses of water, and do not induce vomiting unless told to do by poison control.

**EYE CONTACT:** Hold eye open and rinse gently with cool water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **SKIN CONTACT:** Immediately flush with water for 15 minutes. If burns occur obtain medical attention.

**STORAGE AND DISPOSAL:**

**STORAGE:** Keep dry and in original container in a cool, dry, well-ventilated place. Do not store with chlorine, bromine, or oxidizing agents. Keep container tightly closed when not in use.

**DISPOSAL:** Use entire contents, then triple rinse and offer for recycling or dispose in accordance with state and local regulations. To dispose product in partly filled containers or for large quantities call your local solid waste agency for disposal instructions. Do not reuse empty container.

**NOTE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

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Specifically Designed for  
Mineral Treated Spas

## CALCIUM UP

Establishes the Proper  
Water Hardness to Avoid  
Corrosion of Equipment  
and Spa Surfaces

ACTIVE INGREDIENT:

Calcium Chloride .....100%

### CAUTION

**KEEP OUT OF REACH OF CHILDREN**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS.

Net Weight: 8 Ounces

Water hardness describes the total amount of calcium in spa water. **Mineral Buddies Calcium Up** brings water hardness into the proper range. Low hardness can result in corrosion of equipment and spa surfaces. The ideal hardness level is 150 - 400 parts per million (ppm).

#### DIRECTIONS FOR USE:

Read entire label and use strictly in accordance with hazard statements and directions.

Establish the current level of calcium hardness in the spa by the use of a suitable test kit. The acceptable range for the level of calcium hardness in a spa is 150- 250 ppm. Any required amount of Mineral Buddies Calcium Up should be applied pre-dissolved in at least a gallon of water with the spa pump operating in high speed mode for a minimum of 30 minutes. The maximum dosage should not exceed 3 tablespoons per 100 gallons of spa water. If more Mineral Buddies Calcium Up is required allow a minimum of two (2) hours between doses to allow the product to get completely into solution.

| TO INCREASE CALCIUM HARDNESS |                |        |
|------------------------------|----------------|--------|
| 100 Gal.                     | 1 Tablespoon   | 25 ppm |
| 250 Gal.                     | 2½ Tablespoons | 25 ppm |
| 400 Gal.                     | 4 Tablespoons  | 25 ppm |

**STORAGE AND DISPOSAL:** Keep this product in original tightly closed container away from children and pets when not in use. Do not reuse container, but place in trash collection.

**HAZARD STATEMENTS:** Contains calcium chloride. **CAUTION:** may cause skin and eye irritation. May be harmful if swallowed. Prolonged exposure may cause skin and eye burns. May be irritating to nose and throat. Do not get in eyes, on skin, or on clothing. Wear safety glasses and rubber gloves when handling this product. Avoid breathing dust. Do not taste or swallow. Wash hands thoroughly after use. If product gets on clothing remove and wash before reuse. Do not mix with other chemicals.

#### FIRST AID

Have the product container or label with you when calling poison control center or doctor, or going for treatment. **IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor immediately for treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. **IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. **Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. **NOTE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

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