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ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Mineral Spa Sanitizer

Exclusive patented mineral technology†

Nature2 Mineral Sanitizer for Spas

Installs in seconds right into your filter!

Please refer to the operating manual for complete installation instructions.

PRECAUTIONARY STATEMENT
Hazards to Humans and Domestic Animals.
CAUTION
In the unlikely event that a cartridge breaks, mineral media should not be ingested by humans or animals as it may cause gastric distress.
FIRST AID
IF INGESTED: Call poison control center or doctor immediately for treatment advice.
STORAGE/DISPOSAL
Storage - Store in an area inaccessible to small children
Disposal - After four months of use, discard cartridge in household trash. Do not save the cartridge for reuse. The cartridge is manufactured with mineral sealed media inside. In the unlikely event a cartridge breaks, remove it and vacuum out any media released into the spa water.
DIRECTIONS FOR USE
It is a violation of Federal Law to use the product in a manner inconsistent with its labeling. See owner's manual inside box for directions for use.
CHANGE THIS CARTRIDGE EVERY FOUR (4) MONTHS
Use of this cartridge for longer than four continuous months will void the warranty. Discard the cartridge at the end of four (4) months.

Manufactured For:

ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Artesian Spas
4720 N. Lamb Rd.
Las Vegas, Nevada 89115

APSP
The Association of Pool & Spa Professionals

EPA Reg. No. 67712-15-83382 EPA Est. No. 67712-CA-001

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Made in the USA
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ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Exclusive patented mineral technology†

ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Mineral
Spa Sanitizer

Exclusive patented mineral technology†

Requires only a small maintenance dose of non-chlorine oxidizer (MPS**) after initial start-up with dichlor.***

To keep your patented Artesian Mineral Spa Sanitizer operating properly, it is necessary to change the cartridge every 4 months.

Treated water is brilliantly clear and soft.

** potassium peroxymonosulfate
*** sodium dichloro-s-triazinetrione

This product installs easily and requires no electricity to run. You don't need to touch it again except to replace the cartridge every 4 months!

ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Mineral Spa Sanitizer

Exclusive patented mineral technology†

Keeps spa water clean and crystal clear

Nature2 Mineral Sanitizer for Spas

KEEP OUT OF REACH OF CHILDREN
CAUTION
See back panel for additional precautionary statements

ACTIVE INGREDIENTS
Metallic Silver*.....0.92%
OTHER INGREDIENTS.....99.08%
TOTAL.....100.00%
*From Silver Nitrate

NET CONTENTS: 98 GRAMS (0.22 lbs.)
SPA CAPACITY: UP TO 500 GALLONS

Part#
OP96-0010-00

ARTESIAN SPAS®
EXPERIENCE THE ULTIMATE

Mineral
Spa Sanitizer

Exclusive patented mineral technology†

- Keeps spa water clean and crystal clear.
- Specially formulated to control bacteria.
- Reduces potential for unpleasant odor and scum lines.
- Ends routine usage of chlorine and bromine when used in conjunction with MPS.**
- Will not damage spa equipment or finish.

It's easy to install!

Nature2 Mineral Sanitizer for Spas

Compatible with most spa maintenance products including ozonators. Do not use this product with copper algaecides or Biguanides.

†Nature2 technology consists of the mineral silver.

Nature2 is a registered trademark of Zodiac Pool Care, Inc, an affiliate of Zodiac Pool Systems, Inc.

Artesian® SPAS

Mineral Spa Sanitizer

Owner's Manual

EPA Reg. No. 67712-15-83382
EPA Est. No. 67712-CA-001

IMPORTANT: Spa Owner, save this manual!
Installer, leave this manual with the spa owner!

Safety Instructions Important Information

Please read prior to installation.

Artesian Mineral Spa Sanitizer has been designed to sanitize spas up to 500 gallons.

⚠ ATTENTION

Failure to heed the following can result in permanent injury or drowning.

EQUIPMENT UNDER PRESSURE

- Always turn spa off prior to installing or changing Artesian Mineral Spa Sanitizer. Your spa system is operated under pressure and the pressure must be released before you begin work. Please see your spa owner's manual for further instructions.

PREVENT CHILD DROWNING

- Do not let anyone, especially small children, sit, step, lean or climb on any equipment installed as part of your spa's operational system.

LOW CHLORINE RECIPE

- You must strictly follow the Artesian Mineral Spa Sanitizer recipe included in this manual to maintain proper water chemistry and avoid health hazards. Failure to follow these instructions can lead to sickness from bacteria and other noxious organisms.

⚠ CAUTION

PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND ANIMALS

CAUTION:
In the unlikely event that a cartridge breaks, mineral media should not be ingested by humans or animals as it may cause gastric distress.

FIRST AID IF INGESTED: Call poison control center or doctor immediately for treatment advice.

The Artesian Mineral Spa Sanitizer is designed only for residential portable spas.

WE ASK YOU TO TAKE THE TIME TO GET FAMILIAR WITH THIS MANUAL.

Thank you for purchasing Artesian Mineral Spa Sanitizer. We believe the more you know, the more enjoyable your bathing experience will be—and the more you will reduce the time, effort and cost of maintaining your spa. Spa owners who switch from conventional chemical programs to the Artesian Mineral Spa Sanitizer spend less time maintaning their spa. Every spa has its own characteristics of water type, amount of sunlight, etc. The recipe included in this manual will help insure good water quality for your spa. Remember, your Artesian Mineral Spa Sanitizer Dealer can provide advice and service.

DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

ARTESIAN MINERAL SPA SANITIZER COMPATIBILITY

Attention

Not to be used with product containing biguanides. If these products are being used, be sure to drain and refill the spa with fresh water.

Start-Up

Before starting up a new Artesian Mineral Spa Sanitizer, clean debris and algae out of the spa and spa equipment.

Important: *Do not install* the new Artesian Mineral Spa Sanitizer until the spa water is clean and chemically balanced.

Balance spa water before installing Artesian Mineral Spa Sanitizer.

- pH 7.2–7.6
- Calcium Hardness 200–400 ppm
- Total Alkalinity 80–120 ppm
- Total Dissolved Solids (TDS) 300–2000 ppm

Consult your Artesian Mineral Spa Sanitizer Dealer for specific water balance instructions.

Balance the Water

To find out if your spa water is balanced:

- take a water sample to your dealer to be tested, or
- ask your dealer to recommend a spa test kit for water balance.

Element: pH **Range:** 7.2–7.6

If too low: The surface of your spa can become etched. Metal parts in the pump and plumbing will corrode.

How to fix: Add pH increaser.

If too high: "Scale" forms on the surface of your spa. The water can become cloudy. Equipment can be damaged.

How to fix: Add pH decreaser.

Element: Calcium Hardness **Range:** 200–400 ppm

If too high: Rough, discolored deposits ("scale") will form on the spa surface and inside spa equipment.

How to fix: Drain or dilute the spa water. Consult your dealer.

Element: Total Alkalinity **Range:** 80–120 ppm

If too low: It provides no buffer so that you constantly get fluctuating pH readings, which can damage equipment and spa surfaces.

How to fix: Use an alkalinity increaser.

If too high: The water becomes cloudy or milky white.

How to fix: Add acid to bring alkalinity down.

Install the Artesian Mineral Spa Sanitizer

1 Drain and refill your spa. Balance the water per spa manufacturer guidelines.

2 Install the Artesian Mineral Spa Sanitizer after water is balanced. Refer to Assembly and Installation Diagrams below for instructions regarding your particular model's installation.

3 Superoxidize the spa water with an EPA registered source of chlorine according to manufacturer's instructions to burn off contaminants and activate cartridge.

- Add 1.5 tablespoons of dichlor to spa per 250 gallons (approx. 1000 liters).
- Note: 1.5 tablespoons is approximately 3/4 oz or 24 grams.
- Do not enter the spa if the free available chlorine residual is over 5 ppm.

Important: Initial superoxidation with dichlor[1] is required to burn off contaminants and activate cartridge.

4 Run spa according to recommendations supplied to you by the manufacturer of your spa.

ASSEMBLY AND INSTALLATION DIAGRAMS

1 Remove cap from spa filter.

Note: The Artesian Mineral Spa Sanitizer is designed to fit most portable spas. Artesian Spas assumes no liabilities for the product if installed in any way other than the methods described in this manual.

1

[1] Sodium dichloroisocyanurate dihydrate

2 Screw Artesian Mineral Spa Sanitizer into the cap.

3 Insert Artesian Mineral Spa Sanitizer and filter cap into spa filter.

2

3

Recipe

There is one recipe for maintaining clean, clear, sanitized water with minimum time and effort.
This recipe provides the easiest and most economical way to care for your Artesian Mineral Spa Sanitizer.

Low-Chlorine Recipe

Ingredients:

- Artesian Mineral Spa Sanitizer
- Non-chlorine oxidizer (MPS[2])[3]
- Nature[2] Spa Test Strips[4], or equivalent (MPS[2], pH, and total alkalinity)
- pH, hardness and total alkalinity adjusting chemicals
- Dichlor[1], EPA registered source

When:	What to do:
Every day	Run spa according to recommendations supplied to you by the manufacturer of your spa.
Before each use	Test the water with Nature[2]® Spa Test Strip (or equivalent). If the MPS[2] level is low, add 1 tablespoon of MPS[2] to spa per 250 gallons (approx. 1000 liters). (Note: 1 tablespoon is approximately 1/2 ounce or 16 grams) Use the Nature[2] Spa Test Strip (or equivalent) to test the spa water after each addition of MPS[2]. If the test strip indicates levels below the OK range, add 1 tablespoon MPS[2] to spa per 250 gallons and re-test. Enter spa only after test strip indicates a sufficient level of MPS[2].
After each use	Add 1 tablespoon of MPS[2] to spa per 250 gallons (approx. 1000 liters).
Once per week	Adjust the pH, total alkalinity, and hardness as needed. A convenient way to test pH and total alkalinity is the Nature[2] Spa Test Strip.
Every 4 months	Drain and refill your spa. Replace Artesian Mineral Spa Sanitizer and repeat sanitizer start-up.
As needed	Shock treat with 1.5 tablespoons of an EPA registered source of dichlor[1] per 250 gallons (approx. 1000 liters) to remedy problems which may occur when bathing loads are high, when successive MPS[2] test strip reading indicate high demand, when water appears hazy or dull, when unpleasant odors or eye irritation occur, after heavy wind and rainstorms or if foam develops.

Note: As an alternative to MPS[2], an EPA registered source of dichlor[1] may be substituted: 1 tablespoon dichlor[1] = approximately 3 tablespoons MPS[2].

Important: Perform start-up procedures for spas which have been unused or unattended. The Artesian Mineral Spa Sanitizer is not to be used with products containing biguanides. If these products are being used, BE SURE TO DRAIN AND REFILL SPA WITH FRESH WATER.

2 Potassium peroxymonosulfate
3 MPS may cause a lowering of the pH and total alkalinity of your spa water. Please monitor pH and total alkalinity at least once per week and adjust accordingly.
4 Nature[2]® Spa Test Strips are available at your local Artesian Spas Dealer.

Provide Filtration/Circulation

To manage:	You need to:
Circulation	Follow the manufacturer's directions for keeping the circulating pump in good working order and operate it at least four hours a day. Consult your Artesian Mineral Spa Sanitizer dealer for optimum run times.
Filtration	Check the spa filter periodically and clean it as recommended by the manufacturer.

Artesian Minerla Spa Sanitizer Replacement Intervals

Use the month indicator decal to identify the date on which the cartridge should be replaced. Always turn spa off prior to installing or changing Artesian Mineral Spa Sanitizer. Your spa is operated under pressure and the pressure must be released before you begin work. Please see your spa owner's manual for further instructions.

A cartridge lasts four (4) months. The cartridge should not be used longer than four (4) months.

Disposal

After four (4) months of use, discard Artesian Mineral Spa Sanitizer in household trash. Do not save the cartridge for re-use. The cartridge is manufactured with the mineral media sealed inside. In the unlikely event a cartridge breaks, remove it and vacuum out any media introduced into the spa.

Limited Warranty

ARTESIAN MINERAL SPA SANITIZER LIMITED WARRANTY

The limited warranties contained within this document are the only warranties given with your Artesian Mineral Spa Sanitizer and supercede any prior warranties. **All other warranties, expressed or implied, including the implied warranty of merchantability or the implied warranty of fitness for a particular purpose are hereby disclaimed.** Our sole obligation under this warranty, and the purchaser's sole remedy, is limited to repair or replacement of the Artesian Mineral Spa Sanitizer. The Artesian Mineral Spa Sanitizer warranty applies to the original owner only.

THE LIMITED WARRANTIES OF THE ARTESIAN MINERAL SPA SANITIZER ARE:

Artesian Mineral Spa Sanitizer is warranted to be free of defects in materials and to perform satisfactorily for a period of four months from the date of purchase. Artesian Mineral Spa Sanitizer is warranted not to cause staining in your spa. This limited warranty requires that you exercise reasonable care of your spa and keep water in balance at all times. This limited warranty does not cover discoloration to chromium fittings. This warranty does not cover cartridges used with any biguanide products. If the cartridge is defective and does not perform satisfactorily for the entire four (4) months, we will replace the cartridge.

EXCLUSIONS FROM WARRANTY

Artesian Mineral Spa Sanitizer is designed for use on residential portable spas up to 500 gallons. If it is used in any other application, the warranty is void, and the purchaser and/or spa owner releases the manufacturer from any and all claims related to the use of the Artesian Mineral Spa Sanitizer.

This warranty does not cover problems arising in whole or in part from purchaser's negligence, misuse or abuse, improper maintenance or storage, accident, improper installation, improper application, failure to follow all appropriate safety precautions, Acts of God, abnormal weather conditions, damage from plants or animals, and improper use of chemicals.

This warranty specifically excludes all incidental or consequential damages, except where state law requires them to be paid. This warranty gives you specific rights. You may have other rights that vary from state to state.

TO SUBMIT A CLAIM

Report claims to Artesian Spas by calling 800-854-7727. Only the original purchaser may submit a claim under this limited warranty. Claims must be accompanied by an original purchase receipt.

Troubleshooting

Consult your Artesian Mineral Spa Sanitizer Dealer for additional info or call 800 854-7727.

	Problem	What to look for	Treatment
Cloudy water Frequently caused by improper start up. See section on Start Up and Install the Cartridge.	Spa filtration	Slow filter turnover rates	**1** Backwash and clean filter. **2** Run filter for 24 hours. **3** Increase run time per day.
	Algae growth	Hazy spa water; may have slightly green appearance.	Superchlorinate water with EPA registered source of dichlor[1] according to manufacturer's instructions.
	Unbalanced water	1. High hardness 2. High TDS (total dissolved solids) 3. High pH 4. High total alkalinity	Balance the spa water.
Algae Algae may be caused by insufficient levels of oxidizer and/or inadequate water circulation.	Green or white algae	Pea green to white color; attaches to spa walls, sometimes colors the entire body of water. **Note:** Do not use algae treatments containing either copper or sodium bromide.	**1** Check pH and adjust if necessary **2** Superchlorinate water with EPA registered source of dichlor[1] according to manufacturer's instructions. **3** Repeat steps 1 and 2 until algae is gone.
Stains	Blue/green	Copper or iron from spa equipment corrosion or water supply	**1** Adjust pH and total alkalinity to ideal ranges. **2** Vigorously brush stained areas. **3** Add sequestrant. **4** Run filter. **5** Twelve hours later, superchlorinate the spa. **6** Test and balance water. **7** Test spa water for dissolved metals.
	Red/brown	Iron or manganese from equipment corrosion or water supply.	
	Black	Manganese in water supply.	
	Metal tarnishing	High native mineral content in water; unbalanced water	Clean with soft cloth and mild detergent. Test water for minerals; use a sequestrant; maintain water balance.
Scale	Crusty deposits on spa surfaces	High pH and high total alkalinity	Adjust pH and total alkalinity to ideal ranges.
		High TDS (total dissolved solids) or high hardness	**1** Replace a volume of spa water with water low in hardness and dissolved solids. **2** Use sequestrant to prevent scale buildup if high hardness is a continuing problem. **3** If remedial action has been taken, and problem still persists, drain and refill spa.

Nature2® Spa Test Strips

Just dip and swirl the Test Strip.

See accurate and reliable results on the levels of MPS2, Alkalinity and pH in your spa's water.

Now available at your local Artesian Spas Dealer.

Manufactured exclusively for

Artesian® SPAS
Experience the Ultimate

Artesian Spas
4720 N. Lamb Rd.
Las Vegas, NV 89115

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