

STAIN DROP®

DIAGNOSE REMOVE OPEN PREVENT



STAIN DROP NO1

Removes Iron & Iron Scale From Pool Surfaces

IRON REMOVAL INSTRUCTIONS

1. Circulate pool continuously for the entire treatment. Typical treatment is 2 - 7 days. Avoid swimming for duration of treatment.
2. Add STAIN DROP NO1 at a rate of 2 pounds (one container) for every 12,000 gallons of pool water.
3. Brush pool to make sure chemical products are completely in solution.
4. Add 1 quart (32oz.) per 15,000 gallons of pool water STAIN DROP All Purpose XpH. It sequesters metals that are lifted from pool surfaces. Water may cloud. This is normal and will dissipate as filter removes sequestered metals.
5. Allow water to circulate for 24 hours before proceeding to next step.
6. Backwash or chemically clean filter weekly. Check and adjust chlorine/bromine levels weekly to maintain sanitizer residual throughout treatment. False free chlorine readings may occur. Use total chlorine readings during treatment. Do not shock, superchlorinate, operate salt cell, or ionizer throughout treatment.
7. After stains are removed, increase pH and total alkalinity using a sodium bicarbonate-based alkalinity increaser (Introduce at a rate of no more than 4lbs. per 10,000 gallons of pool water every 8 hours).
8. Collect water sample for testing by Master Stain Technician or local pool professional. Follow recommendations to return pool to proper swimming conditions.

IRON & SCALE REMOVAL INSTRUCTIONS

1. Circulate pool continuously for the entire treatment. Typical treatment is 2 - 7 days. Avoid swimming for duration of treatment.
2. Add 1/2 gallon muriatic acid or 6 pounds pH decreaser per 10,000 gallons of pool water.
3. Add 10 lbs of STAIN DROP NO2 per 10,000 gallons of pool water.
4. Brush pool to make sure chemical products are completely in solution.
5. Add 1 quart (32oz.) per 15,000 gallons of pool water STAIN DROP All Purpose XpH.
6. Allow water to circulate for 72 hours before proceeding to next step.
7. Follow 'IRON REMOVAL INSTRUCTIONS' Steps 2-8 to complete treatment.



STAIN DROP NO2

Removes Copper & Scale From Pool Surfaces

TREATMENT INSTRUCTIONS

NOTE: DO NOT BEGIN TREATMENT UNLESS HEATER HAS BEEN BYPASSED. DO NOT SWIM FOR THE DURATION OF THE TREATMENT.

1. Circulate pool continuously for the entire treatment. Typical treatment is 2 - 14 days.
2. Add 1/2 gallon of muriatic (pool) acid or 6 pounds of pH decreaser around perimeter of pool water per 10,000 gallons of pool water. This will lower both pH and total alkalinity to improve stain and scale removal.
3. Add 1 pound of STAIN DROP #2 around perimeter of pool water for every 1,000 gallons of pool water (Example: 15 pounds per 15,000 gallon pool).
4. Brush pool to make sure chemical products are completely in solution.
5. Add 1 quart (32 oz.) per 15,000 gallons of pool water STAIN DROP All Purpose XpH. It sequesters metals that are lifted from pool surfaces. Water may cloud. This is normal and will dissipate as filter removes sequestered metals.
6. Backwash or clean filter weekly. Check and adjust chlorine/bromine levels weekly to maintain sanitizer residual throughout treatment. False free chlorine readings may occur. Use total chlorine readings during treatment. Do not shock, superchlorinate, operate salt cell, or ionizer throughout treatment.
7. After stains are removed, increase pH and total alkalinity using a sodium bicarbonate-based alkalinity increaser. (Introduce at a rate of no more than 4 pounds per 10,000 gallons of pool water every 8 hours).
8. Collect water sample for testing by Master Stain Technician or local pool professional. Follow recommendations to return pool to proper swimming conditions.



IMPORTANT!

PREREQUISITES FOR STAIN DROP NO1, NO2, NO3

- Positive verification of stain removal with STAIN DROP S.R.V. Kit.
- Remove and/or vacuum debris such as leaves, dirt, or other physical materials.
- Adjust water balance within parameters indicated in water balance chart.
- Isolate or bypass heaters and heat pumps. Turn off ionizers and salt cells from circulation. If this cannot be done, **DO NOT TREAT POOL WITH STAIN DROP PRODUCTS** (contact staindrop@haviandusa.com for alternative treatment options).
- Backwash or clean filter.
- Turn on pump to circulate pool water. Pump will remain on for duration of treatment.



SPOT STAIN CHALK

Abrasive stain removers and powerful metal sequesterants

TREATMENT INSTRUCTIONS

NOTE: Read and follow safety instructions on container. A sequestering agent should be used after removal of stains to prevent stains from reappearing.

DIRECTIONS FOR STAINS BELOW WATER:

1. Wearing gloves, gently rub Spot Stain Chalk directly onto the surface stain to build up a layer of stain-removing chalk.
2. Most stains will dissipate shortly after contact. If needed, use a nylon brush or similar non-abrasive pad to help lift stains.

ALTERNATIVE DIRECTIONS FOR STAINS BELOW WATER:

1. Place Spot Stain Chalk onto stain but for no more than 5 minutes at a time, checking stain occasionally.
2. Once stain has lifted, remove product. Difficult stains may require a sequestering agent prior to use.

DIRECTIONS FOR STAINS ABOVE WATER:

1. Apply a small amount of water onto area being treated. Gently rub Spot Stain Chalk onto wetted stain to form a paste.
2. Rinse after 1 minute and repeat process as needed.
3. Do not allow rinsed material to dry on hard

STAIN DROP NO3

Aids in the removal of copper stains from pool surfaces

TREATMENT INSTRUCTIONS

NOTE: DO NOT BEGIN TREATMENT UNLESS HEATER HAS BEEN BYPASSED. DO NOT SWIM FOR THE DURATION OF THE TREATMENT.

1. Circulate pool continuously for the entire treatment. Typical treatment is 2 - 14 days.
2. Add 1/2 gallon of muriatic (pool) acid or 6 pounds of pH deceiver around perimeter of pool water per 10,000 gallons of pool water. This will lower both pH and total alkalinity to improve stain and scale removal.
3. Add STAIN DROP NO3 at a rate of 5 pounds for every 10,000 gallons of pool water; wait 20 minutes before next step.
4. Add 1 pound of STAIN DROP NO2 around perimeter of pool water for every 1,000 gallons of pool water [Example: 15 pounds per 15,000 gallon pool].
5. Brush pool to make sure chemical products are completely in solution.
6. Add 1 quart per 15,000 gallons of pool water STAIN DROP All Purpose XpH. It sequesters metals that are lifted from pool surfaces. Water may cloud. This is normal and will dissipate as filter removes sequestered metals.
7. Backwash or clean filter weekly. Check and adjust chlorine/bromine levels weekly to maintain sanitizer residual throughout treatment. False free chlorine readings may occur. Use total chlorine readings during treatment. Do not shock, superchlorinate, operate salt cell, or ionizer throughout treatment.
8. After stains are removed, increase total alkalinity using a sodium bicarbonate-based alkalinity increaser. (Introduce at a rate of no more than 4 pounds per 10,000 gallons of pool water every 8 hours).
9. Collect water sample for testing by Master Stain Technician or local pool professional. Follow recommendations to return pool to proper swimming conditions.



ALL PURPOSE XpH

Removes Stains & Scale in a Wide pH Range
Phosphate-Free Formula
Sequesters Metals

STUBBORN STAIN REMOVAL INSTRUCTIONS

1. Use S.R.V. Kit to verify stain treatment. Carefully read and follow back-panel instructions on STAIN DROP NO1, NO2, or NO3. This product WILL NOT work effectively unless water temperature is above 60° F and all indicated water parameters are achieved on the back-panel on STAIN DROP NO1, NO2, or NO3.
2. Apply this product at the rate indicated on STAIN DROP NO1, NO2, or NO3 instructions.
3. Pool pump and filter will run continuously throughout the removal process, but swimming should be prohibited until conclusion of treatment.



POOL OPENING / LIGHT STAIN AND SCALE REMOVAL INSTRUCTIONS

1. Backwash or clean filter prior to use.
2. If using a mineral sanitizer, remove cartridge prior to use of this product. Chlorine generators or ionizers should be turned off and remain off for at least 48 hours after application. See your dealer for temporary sanitizing options.
3. Adjust pH chlorine (bromine) levels below 3ppm for best results.
4. With the pump and filter system operating, add this product around the perimeter of the pool water at the rate of 1 quart (32 ounces) per 15,000 gallons of pool water. You can safely double this dosage if needed without harming equipment or pool surfaces.
5. Continuously operate pump and filter system for 48 hours.
6. Depending on water conditions and quantity of metals, scale, and other minerals present, pool water may turn hazy. This is normal and is an indication that the product is working. Water clarifiers are compatible with this product and can be used to speed clarity. Use as directed.
7. 48 hours after product application, resume prescribed operation, opening or start-up instructions from your dealer. For pools with sand or DE filters, backwash according to manufacturer's instructions and resume filtering. For cartridge filters, remove, clean and replace the media according to manufacturer recommendations. Regardless of filter type, if pool water exceeds 300 ppm calcium hardness or has a heavy metal content, chemically clean filter media following treatment.

PREVENTION INSTRUCTIONS

1. After pool opening or start-up dosage, following stain removal process, and for continued prevention of stains and scale, add 1/2 quart (16 ounces) of this product for every 15,000 gallons of water monthly. Add this dose after superchlorination but not until chlorine (bromine) levels are below 3 ppm.

PRODUCT NAME	STAIN DROP #	SIZE	QTY/CASE
STAIN DROP S.R.V. KIT	CO05505-CS8X1K	1 kit	8/case
STAIN DROP NO1	CO05506-CS20B2	2lb	12/case
STAIN DROP NO2	CO05507-CS77C2	5lb	8/case
STAIN DROP NO2	CO05507-CS74C1	10lb	4/case
STAIN DROP NO3	CO05508-CS77C2	5lb	8/case
STAIN DROP ALL PURPOSE XpH	CO05510-CS20Q	1qt	12/case
STAIN DROP ALL PURPOSE XpH	CO05510-PL5SQN	5gal	
STAIN DROP ALL PURPOSE XpH	CO05510-DP55BN	55gal	
SPOT STAIN CHALK	CO05931-CS1018	18oz	10/case

ABOUT THE S.R.V. KIT

The STAIN DROP® S.R.V. Kit contains proven stain removal products that will be used to perform four unique surface tests. Follow all of the instructions carefully and complete all tests before determining removal process.

TESTING

Four topical (pool surface) tests using the three enclosed stain-removing products will determine the correct stain-removing product(s) to remove your pool stain.

To perform these tests, a portioned amount of each product(s) is poured directly onto the pool stain. For ease of access and visibility, swim-outs, shallows or steps* are convenient locations to perform tests. If the stain(s) are located in water 3 ft. deep or deeper, S.R.V. products should be first poured into a dosing pouch (included in kit) and then 'Stain-Dropped' onto stained area.

*Removable steps and/or steps that have a different finish than the overall pool surface should not be tested. S.R.V. products may perform differently on these surfaces.

Do not mix pool chemicals together. Use rubber or latex gloves during testing. Avoid contact with skin and eyes. Read all safety and precaution statements prior to use. Do not leave STAIN DROP® products in contact with pool surfaces longer than recommended. To avoid accidental etching, do not allow product to come into contact with exterior pool surfaces including but not limited to concrete, metal, wood and stone. Metal handrails, drains and light fixtures (including stainless steel) may discolor during testing and treatment. To avoid discoloration, remove exposed metal fixtures during testing if possible.

See 'Diagnose Pool Stains' on poolstaindrop.com for more information.

IMPORTANT!

Adjust your water's content to the levels in the chart below. For increased accuracy, bring a fresh 12 oz. sample of your pool water to an authorized STAIN DROP professional dealer for testing prior to adjusting your water.

Only Proceed With Tests After Water Is Within Parameters below.

Free and Total Chlorine (FAC and TAC)	1 - 3 ppm
Bromine (Bromine Pools Only)	2 - 6 ppm
Biguanide (For Biguanide Pools Only)	30 - 50 ppm
pH	7.0 - 7.4
Total Alkalinity (TA)	Below 80 ppm
Calcium Hardness (CH)	Below 400 ppm
Cyanuric Acid (CYA/Stabilizer/Conditioner)	Below 70 ppm
Total Dissolved Solids (TDS)	Below 1,200 ppm*

*Salt pools: Less than 4,000 ppm TDS

WATER TEMPERATURE MUST BE 60°F OR HIGHER.



TEST NO1

**FOR ALL TESTS: TURN OFF PUMP.
ALLOW WATER TO BECOME STILL.**

STEP 1

Open S.R.V. #01 packet along dotted line.

STEP 2

Pour half (1.5 oz) of S.R.V. #01 packet contents onto stain.
Place contents into pouch for deep water stains or wall stains.

STEP 3

Allow S.R.V. #01 to rest on stain for 45 seconds.
[Record or note the location of each test.]

STEP 4

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

TEST NO2

**DO NOT RE-USE DOSING POUCHES.
DO NOT MIX CHEMICALS.**

STEP 1

Open S.R.V. #02 packet along dotted line.

STEP 2

Pour a third (1 oz) of S.R.V. #02 packet contents onto stain.
Use pouch for deep water stains or wall stains.
Pour or place filled pouch onto a different area of the stain than in Test 1.

STEP 3

Allow S.R.V. #02 to rest on stain for 45 seconds.
[Record or note the location of each test.]

STEP 4

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

TEST NO3

TEST 3 IS A TWO-PART TEST.

**APPLY ONE PRODUCT - BRUSH - THEN APPLY A SECOND
PRODUCT TO THE SAME TEST AREA.
PUMP REMAINS OFF DURING TESTING.**

STEP 1

Open S.R.V. #03 packet along dotted line.

STEP 2

Pour all (2 oz) of S.R.V. #03 packet contents onto stain.
Place contents into pouch for deep water stains or wall stains. Perform test in a different area of the stain than in Test 1 or 2.

[NOTE: S.R.V. #03 will cause pouch to float. Hold pouch down with brush or leaf skimmer during test.]

STEP 3

Allow S.R.V. #03 to rest on stain for 45 seconds.
[Record or note the location of each test.]

STEP 4

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

STEP 5

**Perform test on same area of the stain as in Step 2
on previous page.**

Pour a third (1 oz) of S.R.V. #02 packet contents onto stain.
Place contents into pouch for deep water stains or wall stains.

STEP 6

Allow S.R.V. #02 to rest on stain for 45 seconds.
[Record or note the location of each test.]

STEP 7

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

TEST NO4

TEST 4 IS A 2-PART TEST.

**APPLY ONE PRODUCT - BRUSH - THEN APPLY A SECOND
PRODUCT TO THE SAME TEST AREA.
PUMP REMAINS OFF DURING TESTING.**

STEP 1

Pour a third (1 oz) of S.R.V. #02 packet contents onto stain.
Place contents into pouch for deep water stains or wall stains. Perform test on different area of the stain than in Test 1, 2 or 3.

STEP 2

Allow S.R.V. #02 to rest on stain for 45 seconds.
[Record or note the location of each test.]

STEP 3

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

STEP 4

Pour half (1.5 oz) of S.R.V. #01 packet contents onto stain.
Use pouch for deep water stains or wall stains.

STEP 5

Allow S.R.V. #01 to rest on stain for 45 seconds.

STEP 6

Lightly brush test area.
Leaf skimmer or brush will retrieve pouch in deep water.

STAIN DROP®

