

Step 1 – Disinfecting your swimming pool

This is the first from a total of three Poolstop.co.uk information guides on how to achieve a sparkling swimming pool. To download our other information guides, please visit www.poolstop.co.uk and follow the link on the homepage.

SUNSPOT pH PLUS

RAISES pH

FEATURES

Completely Soluble
Premium grade product

BENEFITS

Won't cloud water
No trace metals

APPLICATION: If pH is below 7.2, add

POOL VOLUME M ³ (LTRS)	POOL VOLUME GALLONS	DOSE RATE
4.55 (4,545)	1,000	50g
11.36 (11,364)	2,500	125g
22.73 (22,730)	5,000	250g
45.45 (45,455)	10,000	500g

Apply the required amount of **Sunspot pH Plus** by pre- dissolving the product in a clean container with clean, warm water. Add the resulting solution slowly to the pool near the inlets with the filtration system in operation.

Wait a minimum of 8 hours then re check pH level, if it is still below 7.2, repeat the above procedure.

NOTE: Maximum dose at any one time is 500g per 45m³ (18oz per 10,000 gallons). Repeat if necessary.

SUNSPOT pH MINUS

LOWERS pH

FEATURES

Granular
Professional Packaging

BENEFITS

More accurate measuring
Customer loyalty

APPLICATION: If pH is above 7.6, add

POOL VOLUME M ³ (LTRS)	POOL VOLUME GALLONS	DOSE RATE
4.55 (4,545)	1,000	50g
11.36 (11,364)	2,500	125g
22.73 (22,730)	5,000	250g
45.45 (45,455)	10,000	500g

Apply the required amount of **Sunspot pH Minus** by pre- dissolving the product in a clean container with clean, warm water. Add the resulting solution slowly to the pool near the inlets with the filtration system in operation.

Wait a minimum of 8 hours then recheck pH level, if it is still above 7.6, repeat the above procedure.

NOTE: Maximum dose at any one time is 500g per 45m³ (18oz per 10,000 gallons). Repeat if necessary.

TOTAL ALKALINITY

Total of all alkaline chemicals in pool water.

The measure of water's ability to prevent pH change.

Effects of Total Alkalinity

Low	High
pH bounce	High acid demand
Staining	High pH
Increased corrosion	Bicarbonate scale

Products and Treatments

To Raise Total Alkalinity:

Sunspot TA Plus: 810g per 45m³ (10,000 gallons raises Total Alkalinity by 10 mg/l. Add to the pool in one treatment.

To lower Total Alkalinity:

Sunspot pH Minus: 1kg per 45m³ (10,000 gallons) will lower Total Alkalinity by approximately 10mg/l.

Or

Sunspot TA Minus: 1lt per 45m³ (10,000 gallons) will lower Total Alkalinity by approximately 6 mg/l.

CAUTION: When lowering Total Alkalinity, never permit pH to fall below 7.2.

ALWAYS REDUCE IN STAGES.

Sunspot TA Plus

Raises Total Alkalinity

Features

Increases total alkalinity
Prevents pH bounce
Easy to use

Benefits

Prevents damage to pool and equipment
Decreases chlorine usage
Easier pool operation
For all types of pools

Application:

Pool Volume		Dose Rate – To Increase T.A.		
M ³ (Ltrs)	Gallons	10mg/l (ppm)	25mg/l (ppm)	50mg/l (ppm)
4.55 (4,545)	1,000	81g	203g	405g
11.36 (11,364)	2,500	203g	508g	1.013kg
22.73 (22,730)	5,000	405g	1.013kg	2.025kg
45.45 (45,455)	10,000	810g	2.025kg	4.050kg

Dissolve the required amount of **Sunspot TA Plus** in a clean container with clean water and add the resulting solution slowly to the pool near the inlets with the filtration system in operation.

The total quantity of **Sunspot TA Plus** can be applied at one time (unless metals are present in pool water).

Sunspot TA Minus

Lowers Total Alkalinity

Features

Lowers total alkalinity
Easy to use

Benefits

Reduces likelihood of scale build-up.
For all types of pools

Application:

Pool Volume		Dose Rate – To Lower Total Alkalinity		
M ³ (Ltrs)	Gallons	10mg/l (ppm)	25mg/l (ppm)	50mg/l (ppm)
4.55 (4,545)	1,000	166ml	415ml	830ml
11.36 (11,364)	2,500	415ml	1.05 Ltr	2.01 Ltr
22.73 (22,730)	5,000	830ml	2.1 Ltr	4.2 Ltr
45.45 (45,455)	10,000	1.7 Ltr	4.15 Ltr	8.3 Ltr

If large amounts of **Sunspot TA Minus** are required, then total alkalinity reduction should be carried out in stages, testing the level between applications and altering the dose rate as necessary.

IMPORTANT: It is recommended that this product should only be handled while wearing gloves and goggles. It should be handled with care at all times.

DO NOT MIX WITH ANY OTHER CHEMICALS AS A DANGEROUS REACTION MAY OCCUR.

Calcium Hardness

Effects of Calcium Hardness

Low

Etches plaster
Increases corrosion
Shorter plaster life
Rough plaster
Minute pores for algae growth
Hard to clean

High

Scale forming
Discoloration
Rough surfaces
Hard to clean
Reduces circulation
Reduces heater efficiency

Products and Treatments

When calcium hardness is low:

Sunspot Hardness Plus: 680g per 45m³ (10,000 gallons) of pool water to raise level by 10 mg/l (ppm).

When calcium hardness is high: (approx. 450mg/l (ppm) or S.I. is greater than +0.5).

Dilute pool water or,
Use 1 Ltr of **Sunspot Stain & Scale Inhibitor** per 45m³ (10,000 gallons) of pool water.

Sunspot Hardness Plus

Calcium Hardness Increaser

Features

High quality
Increases calcium hardness levels
staining
Easy to Use

Benefits

No trace metals
Helps prevent etching and
staining
For all types of pools

Application:

Pool Volume		Dose Rate – To Increase C.H.		
M ³ (Ltrs)	Gallons	10mg/l (ppm)	25mg/l (ppm)	50mg/l (ppm)
4.55 (4,545)	1,000	68g	170g	340g
11.36 (11,364)	2,500	170g	425g	850g
22.73 (22,730)	5,000	340g	850g	1.70kg
45.45 (45,455)	10,000	680g	1.70kg	3.40kg

Prer-dissolve **Sunspot Hardness Plus** in clean cold water in a clean container before adding to pool.
Do not add through skimmer. Add the resulting solution slowly to the pool near the inlets with the filtration system in operation.

It is recommended that the total treatment is split into three equal applications and added with a minimum of 8 hours between each dose.

Warning – Heat is generated when dissolving this product in water. Use cold clean water. Use a maximum of 100g per dose – repeat as necessary.

Sunspot Multifunctional Chlorine Tablet

Pool Water Sanitiser and Clarifier

Features

Unique product
Chlorine-tolerant clarifiers

problems

Water-enhancing agents

Unique chlorination and clarification

Reduced chlorine demand

Sunspot Product

Better Product

levels

Benefits

Market security

Clearer pool water

Water-balancing buffers

Improved performance/fewer

Better overall water quality

Less chlorine/more power

Improved water clarity

Reduced risk of algae

42% less chlorine required

Improved overall water quality

High quality/high performance

High customer satisfaction

Higher customer retention levels

Application: (skimmer)

- Add 1 tablets per 45m³ (10,000 gallons) of pool water into the skimmer baskets.

This should be applied every 2-4 days depending upon demand to ensure the correct residual is being maintained.

Sunspot Multifunctional Chlorine Tablet

Floating Dispenser

Fill the dispenser with **Sunspot Multifunctional Chlorine Tablet** and regulate the flow with the mechanism on the dispenser or by placing fewer tablets in the device to maintain the chlorine residual required.

Automatic Feeder

Place **Sunspot Multifunctional Chlorine Tablet** in the feeder and follow the manufacturers instructions on regulating the flow to maintain the correct residual.

NOTE: Maintain a free chlorine residual of 1-3 mg/l (ppm). pH should be tested regularly and maintained between 7.2 – 7.6.

Do not use **Multifunctional Chlorine** to create a chlorine residual from zero.

Always use **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock** prior to the initial application to establish a chlorine residual.

It is good practice to shock dose the pool ever 3/4 weeks using **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock**.

Caution: If using a feeder/dispenser ensure tablets used are of the same chemical (trichloroisocyanuric acid). If other materials have been used previously, wash out feeder thoroughly before adding tablets.

Never place tablets in direct contact with pool surface or in areas of still water.

Sunspot Chlorine Tablets

Pool Water Sanitiser

Features

High chlorine content

Stabilised

Benefits

Economical form

Long lasting

Saves money

Application: (skimmer)

- Add 1 tablet per 45m³ (10,000 gallons) of pool water into the skimmer basket.

Floating Dispenser

- Add sufficient 200g Chlorine Tablets and adjust dispenser flow to achieve a free chlorine reading of between 1-3mg/l (ppm)

Maintain a free chlorine residual of 1-3mg/l (ppm). pH should be tested regularly and maintained between 7.2-7.6.

Automatic Feeder

Place **Sunspot Chlorine Tablets** in the feeder and follow the manufacturers instructions on regulating the flow to maintain the correct residual.

Do not use **Chlorine Tablets** to create a chlorine residual from zero. Always use **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock** prior to the initial application to establish a chlorine residual.

It is good practice to shock dose the pool every 3/4 weeks using **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock**.

Caution: If using a feeder/dispenser ensure tablets used are of the same chemical (trichloroisocyanuric acid). If other materials have been used previously, wash out feeder thoroughly before adding tablets.

Sunspot Floating Dispenser

Pool Water Sanitiser

Features

Chlorine-tolerant clarifiers
 problems
 Stabilised
 Long Lasting
 Adaptable for different pool volumes
 types
 Water-enhancing agents

Benefits

Better overall water quality
 Improved performance/fewer
 Saves money
 Use less, better results
 Less for customer to do
 Suitable for many pool
 types
 Better overall water quality

Application:

Adjust the pH level to 7.4-7.6. Ensure stabiliser level is around 30-40mg/l (ppm). Ensure a chlorine level of between 1-3mg/l (ppm) of free chlorine is established.

Using a sharp knife, carefully cut off the correct number of (A) Nubs on **both** sides of the dispenser (see table below).

Cut off the vent hole (B) Nubs on **both** sides of the dispenser.

Pool Volume		Remove (A) Nubs
M ³ (Ltrs)	Gallons	
22.5 (22,500)	4,950	1
45.0 (45,000)	9,900	1
67.0 (67,500)	14,850	1 & 2
90.0 (90,000)	19,800	1 & 2
112.5 (112,500)	24,750	1.2 & 3

Note: Place the floater in an upright position in the pool and hold for a few seconds while it fills with water. DO NOT submerge the floater completely.

If the floating dispenser is not maintaining the chlorine level required, it may be necessary to remove additional Nubs.

It is good practice to shock dose the pool every 2/3 weeks using either **Sunspot Quick Shock Plus or Non Chlorine Shock.**

Sunspot Stabilised Chlorine Granules

Sodium Troclosene Dihydrate

Features

55% available chlorine content
inorganic

Totally soluble
Stabilised

Almost pH neutral

Benefits

More concentrated than

Chlorine – use less

Won't cloud water

Saves money

Use less, better results

Minimal pH change

Application:

Pool Volume		To Increase Chlorine Level By	
M ³ (Ltrs)	Gallons	1mg/l (ppm)	2mg/l (ppm)
4.55 (4,545)	1,000	9g	18g
11.36 (11,364)	2,500	23g	45g
22.73 (22,730)	5,000	45g	90g
45.45 (45,455)	10,000	90g	180g

Ideal Sanitiser Levels: 1-3 mg/l.

Pre-dissolve **Sunspot Stabilised Chlorine Granules** in a clean container using clean water. Pour the solution around the perimeter of the pool or over the inlet, choosing a period when the pool is not in use. After application ensure pH level is between 7.2-7.6.

Regularly test your water to determine Free Chlorine residual and pH levels and dose the pool accordingly.

NOTE: It is good practice to shock dose the pool every 3/4 weeks using either **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock**

Sunspot Super Stabilised Chlorine Granules

Multi-functional Chlorine Granules

Features

Reduced level of Cyanuric Acid
Totally soluble
Stabilised

Unique chlorination and clarification
Water-enhancing agents
Almost pH neutral

Benefits

Reduces cyanuric acid build-up
Won't cloud water
Saves money
Use less, better results
Improved water clarity
Better overall water quality
Minimal pH change

Application:

Pool Volume		To Increase Chlorine Level By	
M ³ (Ltrs)	Gallons	1mg/l (ppm)	2mg/l (ppm)
4.55 (4,545)	1,000	9g	18g
11.36 (11,364)	2,500	23g	45g
22.73 (22,730)	5,000	45g	90g
45.45 (45,455)	10,000	90g	180g

Ideal Sanitiser Levels: 1-3 mg/l.

Broadcast **Sunspot Super Stabilised Chlorine Granules** directly into the pool.

IMPORTANT: before broadcasting, check the wind direction to ensure that the granules are not blown back towards you. Broadcast granules at a level close to the water surface.

Regularly test your water to determine Free Chlorine residual and pH levels and dose the pool accordingly.

NOTE: It is good practice to shock dose the pool every 3/4 weeks using either **Sunspot Granular Shock** or **Sunspot Q.D. Granular Shock**.