

# Brochure 2024





## About Us

***"Proven solutions and maximising water quality around the globe".***

At Lo-Chlor Chemicals we are recognised as the leading brand of specialty chemicals that are specifically designed to target problems in both swimming pool and hot tub water. For over 30 years we have been supplying the highest quality products with formulations unique to our brand, resolving issues that standard maintenance chemicals don't.

With market longevity, pioneering products and global exposure, our range of products are proven to perform against all the conditions that nature can throw at them.

Our trusted name is backed up with extensive technical knowledge which fully enables growth for our partners.

Manufactured in the UK we have over 12 years of experience of exporting to numerous markets, meeting all the necessary compliance requirements.

Why do our customers use Lo-Chlor? .....because it works!



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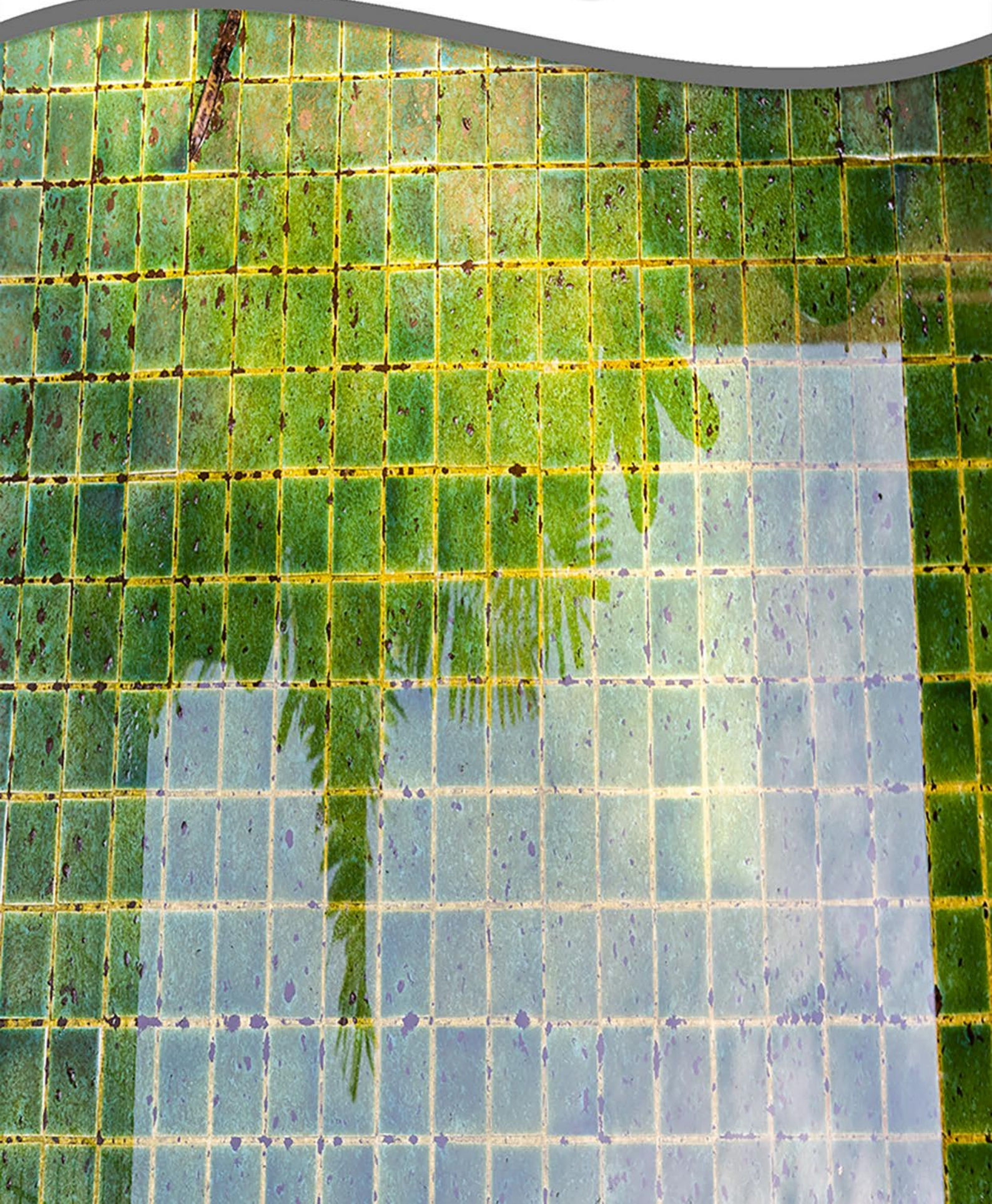
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# Algaecides







Algae is one of the most common problems in swimming pools. It will vary in colour and size, be seen in suspension in the water or on pool surfaces. There are many species of algae however in swimming pools we classify them as:

**Green Algae** – This will be either green or blue green in colour can be seen in suspension and clinging to the pool surfaces. For pools that cannot use copper algaecides we recommend our copper free Knock-Out Algaecide. For pools that can use copper algaecides and we recommend our Lo-Chlor Algaecide.

**Mustard Algae** – This is yellow in colour and can be seen in suspension and clinging to the pool surfaces. For pools that cannot use copper algaecides we recommend Knock-Out Algaecide. If you can use a copper algaecide Total Algaecide should be the choice. Please note due to the microscopic particles of Mustard Algae we highly recommend use of a Lo-Chlor Clarifier immediately after treatment. This will grab the small particles and deposit them in the filter.

**Black Spot Algae** – This is black in colour and clings to the pool surface. Black Spot algae can be one of the most difficult algae issues to cure. The key to dealing with this problem is to act quickly. The spots can rapidly multiply, making treatment longer as the spots become harder to remove and may require a secondary dose.

## Professional Tip

During algae treatment phosphate is released back into the water. If left untreated this will become a food source for further algal growth. To prevent this use a Lo-Chlor Phosphate Remover.

**Remember NO PHOSPHATE = NO ALGAE**





# ALGAECIDE



Algaecide is a high strength long life algaecide for swimming pools, it will control and prevent the growth of algae in swimming pool water for up to 6 months. It is also ideal for spring open up and both summer and winter maintenance.

## GENERAL INSTRUCTIONS

If algae is present prior to application it is recommended that it is treated before adding Lo-Chlor Algaecide. Shock dose the pool with a suitable chlorine shock and run filtration for 24 hours.

1. Ensure bathing has ceased before applying this product.
2. Adjust pH to 7.0-7.2.
3. Clean pool thoroughly by brushing the walls and floor, vacuum the pool and filter as normal.
4. Following the dose rate table add the required dose to water in a suitable clean plastic bucket. With the circulation running evenly distribute around the pool. Note the increased dose rate for the treatment of algae.
5. Continue to circulate the pool water for 24 hours, do not add any other chemicals during this period.
6. Maintain pH between 7.2 – 7.6.
7. Bathing can resume after 1 full turnover of swimming pool water, typically 4-5 hours.

## DOSE RATES

POOL VOLUME (LITRES)	DOSE RATE - PREVENTION	DOSE RATE - ALGAE PRESENT
30,000	250 ml	500 ml
60,000	500 ml	1,000 ml
120,000	1,000 ml	2,000 ml

**N.B.** Copper in water reduces the activity of chlorine and bromine. Check chlorine or bromine levels 24 hours after applying this product and adjust according to the required levels.

Copper concentrations in the swimming pool water must not exceed 1mg/ltr. Check copper levels with a suitable copper test kit.

**Use algaecides safely. Always read the label and product information before use.**



# BLACK SPOT ALGAECIDE



Black Spot Algaecide is a concentrated formulation specifically designed for treating clinging algae, particularly Black Spot in all types of pools.

## GENERAL INSTRUCTIONS

If algae is present prior to application, it is recommended that it is treated before adding Black Spot Algaecide. Shock dose the pool with a suitable chlorine shock and run filtration for 24 hours.

1. Ensure bathing has ceased before applying this product.
2. Clean pool thoroughly, brush walls and floor with a stiff pool brush and vacuum to waste.
3. Adjust the pH to between 6.8 - 7.0.
4. Continue to run the pump and filter as normal.
5. Shock dose the pool with a suitable chlorine shock and run the pump and filter for 24 hours.
6. After 24 hours pour the calculated volume of Black Spot Algaecide near the algae (refer to the table provided). **DO NOT ADD THE PRODUCT VIA THE POOL SKIMMER!**
7. After treatment wait 24 hours, adjust sanitiser levels accordingly and run the pump and filter as normal.

**CAUTION:** When dosing the product excessive copper concentrations may discolour hair and swimwear as well as pool surfaces. During the treatment, use of other copper based chemicals is not recommended. We recommend using Lo-Chlor Starver® or Starver® X after shock dose. This will assist with the removal of phosphate from your pool water, the removal of phosphate prior to adding Black Spot Algaecide improves product efficiency.

**REMEMBER NO PHOSPHATES = NO ALGAE.**

## DOSE RATES

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
5,500	25,000	500ml
11,000	50,000	1000ml
16,500	75,000	1500ml

**N.B.** Copper in water reduces the activity of chlorine and bromine. Check chlorine or bromine levels 24 hours after applying this product and adjust according to the required levels.

Copper concentrations in the swimming pool water must not exceed 1mg/ltr. Check copper levels with a suitable copper test kit.

**Use algaecides safely. Always read the label and product information before use.**



# TOTAL ALGAECIDE



Total Algaecide is a concentrated dual action formula which will eliminate stubborn algae. It is very effective against severe blue, green, black spot and mustard algae.

## GENERAL INSTRUCTIONS

1. Clean pool thoroughly, brush walls and floor with a stiff pool brush, vacuum to waste and backwash.
2. Adjust the pH to between 6.8 - 7.0.
3. Continue to run circulation and filtration as normal.
4. Superchlorinate the pool using a registered sanitiser.
5. Wait 24 hours and then pour the calculated volume of Total Algaecide near the algae (refer to the table below). **DO NOT ADD THE PRODUCT VIA THE POOL SKIMMER!**
6. After treatment wait 24 hours, adjust sanitiser levels accordingly and filter as normal.

**CAUTION:** When dosing the product excessive copper concentrations may discolour hair and swimwear as well as pool surfaces.

**Please note:** This product is NOT compatible with Baquacil polyhexamethylenebiguanide) or similar PHMB products. We recommend using Lo-Chlor Starver® or Starver® X after Superchlorination. This will assist with the removal of phosphate from your pool water, the removal of phosphate prior to adding Total Algaecide improves product efficiency.

**REMEMBER NO PHOSPHATES = NO ALGAE.**

## DOSE RATES

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
5,500	25,000	550ml
11,000	50,000	1100ml
16,500	75,000	1650ml

**N.B.** Copper in water reduces the activity of chlorine and bromine. Check chlorine or bromine levels 24 hours after applying this product and adjust according to the required levels.

Copper concentrations in the swimming pool water must not exceed 1mg/ltr. Check copper levels with a suitable copper test kit.

**Use algaecides safely. Always read the label and product information before use.**



# KNOCK-OUT ALGAECIDE



Knock-Out Algaecide is a dual action formulation. It destroys the algae cell and its high foaming properties assists in removing the most stubborn forms of algae. This product is ideal for pools run on Salt Chlorinators and Ionisers.

## GENERAL INSTRUCTIONS

1. For best results adjust pH to 6.8-7.0.
2. Turn off the pump and filter prior to adding Knock-Out Algaecide.
3. Pour the required dose (use table below) near the algae. The water may foam initially. Brushing may be required for stubborn areas of algal growth.
4. After 2 hours turn on the pump and filter.
5. Because the dead algae are collected in the filter, a backwash will be necessary.

**Please Note:** For perfect pool water, it is recommended that Knock-Out Algaecide is used in conjunction with our phosphate removal products, either Lo-Chlor Starver® or Starver® X. Removing phosphates, prior to adding Knock-Out Algaecide improves product efficiency.

**REMEMBER NO PHOSPHATE = NO ALGAE.**

## DOSE RATES

POOL VOLUME:		DOSE:	
GALLONS:	LITRES:	INITIAL:	MAINTENANCE:
2,200	10,000	500ml	100ml
6,600	30,000	1500ml	300ml
13,200	60,000	3000ml	600ml
19,800	90,000	4500ml	900ml

Use algaecides safely. Always read the label and product information before use.



# WINTERISER ALGAECIDE



Winteriser Algaecide is a Copper-Free, Long Life formula designed specifically for winterising a pool when de-commissioning at the end of the season. Winteriser Algaecide is suitable for all pool types and is compatible with all recognised sanitisers, and salt chlorinators.

## GENERAL INSTRUCTIONS

1. Prior to adding Winteriser Algaecide ensure that your pool is free from algae and debris. Clean the pool thoroughly, brush walls and floor and vacuum to waste.
2. Adjust the pH to 7.5 – 7.8.
3. Superchlorinate the pool using a registered, compatible sanitiser.
4. Add the required dose (use table below) near the pool inlets.
5. Run the pump and filter for a minimum of 6-8 hours to ensure maximum coverage around the pool.

**Please Note:** For additional winter protection, we recommend using Lo-Chlor Starver® X (phosphate remover) after superchlorination. This will ensure that all phosphate has been removed from your water prior to adding Winteriser Algaecide, prolonging the effectiveness of the treatment.

**REMEMBER NO PHOPSHATE = NO ALGAE.**

## DOSE RATES

5 litres treats up to 54,000 litres.

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
5,500	25,000	2315ml
11,000	50,000	4630ml
16,500	75,000	6945ml

Use algaecides safely. Always read the label and product information before use.



# Phosphate Removers





Phosphate is the major food source for algal growth in swimming pool water. Understanding and managing phosphate levels is key to maintaining maximum water quality.

Whilst chlorine and algaecides kill or prevent algae, they do not remove unwanted phosphate from the water. As the algae dies, the phosphate contained within it is released back into the water. Unless this phosphate is removed it will remain in the water as a food source for new algal growth.

By removing phosphate and eliminating algae the demand for chlorine and other sanitisers is reduced lowering pool running costs.

Lo-Chlor Starver® products are successfully used in over 50 countries worldwide. Their unique properties are now proven in removing and controlling phosphate in domestic and commercial swimming pools, natural swimming pools, aquaria, ponds, and fountains.



### **Professional Tip**

Use Starver® products to reduce pool running costs!

**Remember NO PHOSPHATE =  
NO ALGAE**



## STARVER®



Starver® removes phosphate which is THE major food source for algae in pool water. Starver® is most effective when treating phosphate levels below 2ppm (2000 ppb). For higher levels use Lo-Chlor Starver® X.

**CAUTION:** If algae is present this must be treated with a Lo-Chlor Algaecide prior to starting the application of Starver®.

### GENERAL INSTRUCTIONS

1. Backwash the filter, check filter pressure and adjust pH to 7.2-7.4.
2. Use a reliable phosphate test kit to establish the phosphate level in your pool water.
3. Shake the container for a minimum of 30 seconds and add the required dose (see dose rate below) slowly into the skimmer with the pump and filter running.
4. Check filter pressure after 48-72 hours. Backwash the filter and add a maintenance dose.

### DOSE RATES:

**INITIAL:** For a phosphate reading up to 1ppm (1000ppb) add Starver® at a rate of 500mls per 50,000 litres of water every 2 - 3 days. For a reading greater than 1ppm (1000ppb) but below 2ppm (2000ppb) add Starver® at a rate of 1 litre per 50,000 litres of water every 2 - 3 days.

**MAINTENANCE:** For a phosphate reading between 0-0.2ppm (0-200ppb) a regular maintenance dose of 500mls per 50,000 litres water is required every 2 weeks.

**Please note:** Starver® is suitable for use with Sand, DE & Glass Filter Media. For cartridge filters we recommend use of Lo-Chlor Starver® X. The required dosage should be added until you finish the container.

Australian Patent No. 675,512 • U.S. PATENT No. 5,683,953 • Under license to D.J. Mills • STARVER® is a trademark of D.J. Mills.



# STARVER® X



Starver® X is a safe and effective superior strength phosphate remover for swimming pools. One litre of Starver® X will remove up to 6000 ppb (6ppm) of phosphates from a 50,000 litre swimming pool. Starver® X is a curative solution designed to remove high phosphate levels.

## GENERAL INSTRUCTIONS

1. If algae are present, it is recommended you treat this algae first with one of the Lo-Chlor Algaecides prior to beginning phosphate removal.
2. Clean or backwash filter and ensure pool water is balanced.
3. Shake the container well before use.
4. Slowly add the required amount of Starver® X to the pool water directly in front of the skimmer box inlet.
5. It is recommended that immediately following the addition of Starver® X, place one Lo-Chlor Miraclear Pool Clarifier Cube directly into the pump basket (follow package directions). The addition of a Miraclear Pool Clarifier Cube will reduce any cloudiness associated with phosphate removal.
6. Run filtration system continuously for 24 hours. Check filter pressure regularly and backwash, if necessary.
7. Test phosphate level of pool water at least 24 hours after treatment.
8. If necessary, repeat additional dosage of Starver® X at weekly intervals until phosphate level is within acceptable range. For faster results, Starver® X dosage can be repeated at 24-hour intervals.

## DOSE RATES

POOL VOLUME:		DOSE:	
GALLONS:	LITRES:	LOWER BY UP TO 6ppm:	LOWER BY 1ppm:
5,500	25,000	500ml	84ml
11,000	50,000	1000ml	168ml
16,500	75,000	1500ml	252ml

## PROFESSIONAL TIPS:

After treatment using Starver® X regularly check phosphate levels in your pool. For ongoing control and treatment of phosphates use Lo-Chlor Starver®

**REMEMBER NO PHOSPHATE = NO ALGAE.**



# PROFESSIONAL STARVER® TEST KIT



**Professional Starver® Test Kit is specifically designed to accurately test the phosphate level in swimming pool and spa water.**

## KIT CONTENTS:

**1 x 25mls Reagent A**

**1 x 25mls Reagent B**

**1 x 12mls vial**

## GENERAL INSTRUCTIONS

- 1.** Fill the tube provided with approximately 10mls of pool or spa water.
- 2.** Add 5 drops of Reagent A.
- 3.** Add 5 drops of Reagent B.
- 4.** Replace the cap and shake well.
- 5.** Compare the colour of sample against the chart provided.

## PROFESSIONAL TIPS:

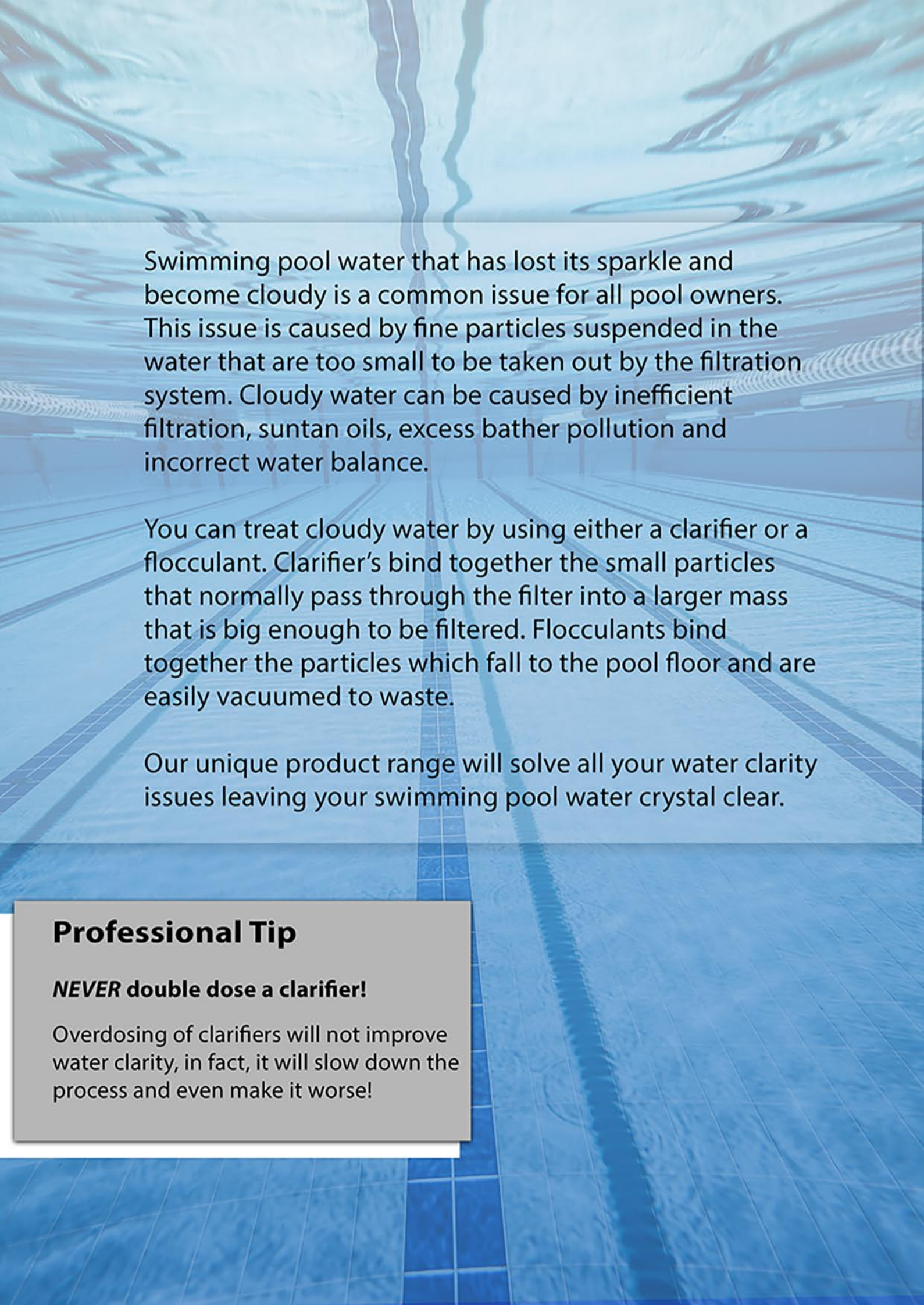
- If algae are present in the pool or spa water the test result may read zero. This is because all the phosphate has been consumed by the algae. It is therefore essential that prior to testing always ensure that all living algae, and algae spores, have been killed.
- If the test result is positive (the colour of the vial has turned blue) but shows a result greater than 1ppm you will need to carry out the following steps:
  - a. Fill the tube provided with approximately 2mls of pool or spa water.
  - b. Top up the tube with approximately 8mls of distilled water.
  - c. Add the reagents as per the instructions above.
  - d. Check the result.
  - e. Multiply the result by a factor of four (4x) to give an accurate reading.
  - f. If the phosphate level is above 10ppm you should contact your Lo-Chlor professional for further advice.
  - g. Always store the kits in cool dry conditions.



# Clarifiers







Swimming pool water that has lost its sparkle and become cloudy is a common issue for all pool owners. This issue is caused by fine particles suspended in the water that are too small to be taken out by the filtration system. Cloudy water can be caused by inefficient filtration, suntan oils, excess bather pollution and incorrect water balance.

You can treat cloudy water by using either a clarifier or a flocculant. Clarifiers bind together the small particles that normally pass through the filter into a larger mass that is big enough to be filtered. Flocculants bind together the particles which fall to the pool floor and are easily vacuumed to waste.

Our unique product range will solve all your water clarity issues leaving your swimming pool water crystal clear.

## **Professional Tip**

### ***NEVER* double dose a clarifier!**

Overdosing of clarifiers will not improve water clarity, in fact, it will slow down the process and even make it worse!



# MIRACLEAR POOL CLARIFIER



Miraclear Pool Clarifier is the ultimate clear water solution for your swimming pool. It will clear the cloudiest pools in a matter of hours and lasts up to 30 days.

## GENERAL INSTRUCTIONS

1. For the best results, vacuum and backwash the pool prior to use.
2. Calculate the volume of product required for your pool, based on the table below.
3. Mix with water in a clean plastic bucket.
4. Evenly distribute around the pool with the pump and filter running.
5. Run the pump and filter for a minimum of 8 hours.
6. Vacuum if necessary.

## DOSE RATES

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
5,500	25,000	250ml
11,000	50,000	500ml
16,500	75,000	750ml



# ULTRA POOL CLARIFIER



Ultra Pool Clarifier is fast acting natural clarifier specifically designed to remove body fats, oils, suntan lotion along with dissolved metals and dead algae spores. This product is both **NON-TOXIC** and **BIODEGRADABLE**.

## ADVANTAGES OVER OTHER PRODUCTS:

- ✓ Natural formulation.
- ✓ Enhances sanitiser activity by removing body fats and oils.
- ✓ Enhances the filtration cycle between backwashes.
- ✓ Compatible with all known pool treatments.
- ✓ Safe to use in natural swimming pools.

## GENERAL INSTRUCTIONS

1. Ensure that the pool water is correctly balanced.
2. Backwash and clean the filter prior to use and turn off the pump.
3. Calculate the required amount from the table below.
4. Pre-dilute the product into a clean plastic container.
5. Distribute evenly around the pool.
6. Turn on the pump and filter for a minimum of 8 hours.
7. Repeat the dosage on a fortnightly basis or when necessary.

## DOSE RATES

POOL VOLUME:		DOSE (EVERY TWO WEEKS):
GALLONS:	LITRES:	
6,600	30,000	250ml
13,200	60,000	500ml
19,800	90,000	750ml



# MAXI-FLOC PLUS



Maxi-Floc Plus is a fast-acting heavy duty flocculant that restores clarity to the cloudiest pools. Maxi-Floc Plus leaves no messy residue, can be used in all pool types and is compatible with all known pool treatments.

## GENERAL INSTRUCTIONS

1. Calculate the volume of Maxi-Floc Plus required from the table below.
2. Pre-dilute the product in a clean plastic container.
3. Set the pool filter to RE-CIRCULATE. Where this setting is not available, remove the filter cartridges or grids before operating the filter.
4. Adjust the pH to 7.8.
5. Evenly distribute around the pool with the pump and filter running.
6. Run the pump for 1 to 2 hours and turn off.
7. Leave the pool for all residue to settle, usually within six hours.
8. Vacuum to waste.
9. Replace filter cartridges or grids, where necessary.
10. Resume normal filtration and correctly balance the pool water.

## DOSE RATES

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
5,500	25,000	500ml
11,000	50,000	1000ml
16,500	75,000	1250ml



# MIRACLEAR CLARIFIER CUBES



Miraclear Clarifier Cubes are unique clarifying agents that produce outstanding water clarity, normally within 24 hours. They work by grouping together microscopic particles that normally pass through the filtration system. The cubes are suitable for all types of filtration including cartridge filters.

## ADVANTAGES OVER OTHER PRODUCTS:

- ✓ Non-toxic and fully bio-degradable.
- ✓ Keep a pool sparkling for 30 days.
- ✓ Removes dissolved metals (iron, copper & manganese).
- ✓ Aid in the removal of phosphate.
- ✓ Hot water stable and the only cubes suitable for any type of filtration system (cartridge, D.E. or sand).
- ✓ Leave no messy residue.
- ✓ Ease of use - no requirement to premeasure.
- ✓ Ideal for holiday times when the pool is not being used.

## GENERAL INSTRUCTIONS

### For use in the pump strainer basket:

1. Prior to dosing always backwash the filter.
2. Turn off the power to the pool circulation pump.
3. Open the pump basket lid and place Miraclear Cube in the pump basket.
4. Replace the basket lid and turn on the circulation pump.
5. Because the dead algae are collected in the filter, a backwash will be necessary.

### For use in a surge tank:

1. Prior to dosing always backwash the filter.
2. Place Miraclear Cube directly in the bottom of the tank in front of the incoming water flow.

## DOSE RATES

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
Up to 15,000	Up to 60,000	35gm
15,000 to 30,000	60,000 - 120,000	50gm



# Stain & Scale





Stains are metal oxides which appear on swimming pool surfaces. They are mainly caused by excess metals but can also be caused by organic material (leaves, algae, and dirt) and Calcium Scale. Unbalanced water can introduce metals into the water that react with Chlorine and pH to give dark coloured metal oxides which we call stains.

Prior to treating a swimming pool, we need to find out what is causing the staining. Once we know the cause we can rectify the issue so that the stain does not re-appear after treatment.

The first stage of treating a stain is using Multi Stain Remover or Spotaway (for fibreglass pools only) to lift the stain off the surface and put it into suspension in the water. The second stage is using No More Metal to hold on to these metals and filter them from the water, preventing re-occurrence.

### **Professional Tip**

Stain treatments can result in your pool water turning cloudy. To prevent this, we recommend that you use of a Lo-Chlor Clarifier during the treatment process.



# NO MORE METAL



No More Metal is a superior metal sequestriant designed to remove dissolved metals from pools, hot tubs and spas. It **MUST** be used for all stain removal treatments. Most stains are the result of incorrectly balanced water.

## GENERAL INSTRUCTIONS

### Stain Treatment & Prevention

1. Water must be correctly balanced. Unbalanced water is the cause of most metal staining.
2. Ensure the pump and filter are running as normal.
3. Follow the dose rate below and add the required dose to the pool water. Allow pool water to filter for a minimum of 12 hours after treatment.
4. Use a double dose for severe staining.
5. Continued use of this product helps prevent staining from returning.

### Initial Fill of New Pools

Mix 50ml in a clean plastic bucket of water and add to the pool for every 5,000 litres of pool water. Repeat this procedure as the pool is filling.

## DOSE RATES

**Stain Treatment & Prevention** - 500mls per 50,000 litres (11,000 gallons) of pool water.

**Initial Fill of New Pools** - 50ml per 5,000 litres (1,100 gallons) of pool water.



# MULTI STAIN REMOVER



Multi Stain Remover is specifically designed to remove stains such as iron, copper, manganese, tannin, and cobalt (black staining on fibreglass pools) from swimming pool surfaces. Most stains are the result of incorrectly balanced water.

## GENERAL INSTRUCTIONS

1. Prior to application adjust pH to 7.0, ensure all sanitiser levels are at 0 ppm (mg/l) and backwash the filter.
2. **CAUTION:** When using on coloured marble finishes or printed vinyl liners DO NOT allow direct contact with the pool surface. In these instances, depending on the severity of the stain it is recommended that you either:
  - a. Using the dose rate below pre-dilute the required dose in a clean plastic container and with the pump and filter running, evenly distribute around the pool.
  - b. Place the product in a sock attached to a telescopic pole and hold near the stained area.
3. The product should be sprinkled directly over the stained area or evenly distributed around the pool with the pump and filter running.
4. **IMPORTANT:** Lo-Chlor No More Metal must be added to the pool water as soon as the stain appears to be lifting from the surface. This removes the dissolved metals which prevents re-staining.
5. Leave the pump and filter running for a minimum of 24 hours, thoroughly backwash the filter and resume normal filtration.
6. This stain treatment reduces both the pH and Total Alkalinity. After treatment, the pool water must be rebalanced and sanitised.
7. When re-balancing, raise the Total Alkalinity first. This must be done slowly over a period of days (maximum 20 ppm per day). A sudden increase will buffer the metal ions out of solution resulting in re-staining.

## DOSE RATE

**Stain Treatment & Prevention** - 1kg per 50,000 litres (11,000 gallons) of pool water.



# SPOTAWAY



Spotaway is specifically designed to remove and prevent Black Spot Osmosis staining on fibreglass pools. Depending on the age of your swimming pool and the severity of the staining it is common for the problem to re-occur, regular or repeated treatment may be necessary.

## GENERAL INSTRUCTIONS

1. DO NOT chlorinate or use the swimming pool for at least 48 hours prior to the addition of Spotaway.
2. DO NOT add any other chemicals or operate any form of Brominator or Chlorinator during the treatment period.
3. Thoroughly backwash the filtration system to achieve maximum circulation.
4. Add 4kg of Spotaway per 50,000 litres of pool water, distribute evenly around the pool with the pump and filter running. Run the pump for 4-6 hours daily and for up to 7 days, if the stain persists a second treatment will be necessary.
5. Add Lo-Chlor No More Metal 24 hours after the initial treatment as the metals that form the stain are in solution and need to be taken out of the water by filtration, treat the pool with No More Metal on a regular basis to prevent re-staining as part of your maintenance programme.
6. Occasionally, stain removal treatment may cause the water to go cloudy, if necessary use a suitable clarifier to assist in clearing this issue.
7. After treating with a clarifier leave the pump and filter running for a minimum of 24 hours, thoroughly backwash the filter and resume normal filtration.
8. This stain treatment reduces both the pH and Total Alkalinity. After treatment, the pool water must be re-balanced and sanitised.
9. When re-balancing raise the Total Alkalinity first. This must be done slowly over a period of days (maximum 20 ppm per day). A sudden increase will buffer the metal ions out of solution resulting in re-staining.

## DOSE RATE

4kg treats up to 50,000 litres (11,000 gallons) of pool water.



# NO MORE SCALE



**No More Scale is designed to reduce and soften scale formation on both pool interiors and Salt Chlorinator Cells. Use of No More Scale has many advantages including:**

- ✓ **Phosphate Free** – does not contribute unwanted phosphates like alternative products.
- ✓ **Prevents metal staining.**
- ✓ **Prevents corrosion of pool heating equipment.**
- ✓ **Prevents scum deposits on pool surfaces.**
- ✓ **Prevents plugging of filters.**

## GENERAL INSTRUCTIONS

- 1.** No More Scale should be added at the start of the season during spring open up.
- 2.** Calculate the required amount of No More Scale from the dose rate below.
- 3.** Ensure that the pump and filter are running as normal.
- 4.** Mix the calculated dose in a clean bucket with water and evenly distribute around the pool. **DO NOT ADD VIA THE SKIMMER.**
- 5.** Filter as normal.

## DOSE RATES

**INITIAL & FINAL:** 500mls per 50,000 litres of pool water.

**MONTHLY MAINTENANCE:** 100ml per 50,000 litres of pool water.

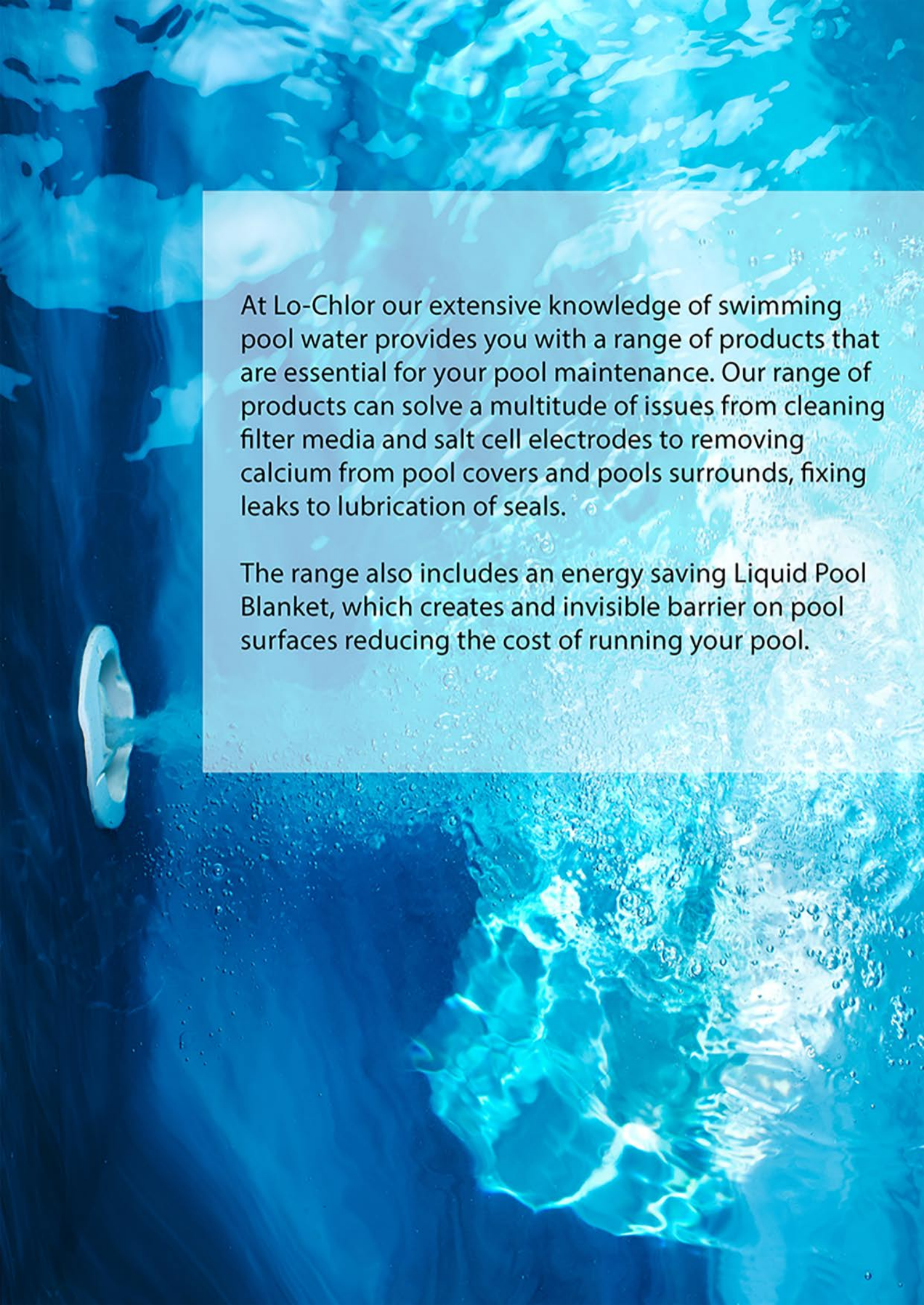
After the Initial Dose has been added continue to apply the product on a monthly basis to ensure constant scale protection all year round. To remove scale discolouration on waterline tiles, raise the water level above the waterline level and maintain for at least 3 weeks. A final treatment is recommended when the pool is winterised or will be idle for a long period of time. The main causes of scale formation are generally high levels of calcium and poor water balance, metal stains form due to incorrectly balanced water.



# Maintenance





An underwater photograph of a swimming pool. A white ring is visible on the left side, with a stream of water flowing from it. The water is clear and blue, with light rays filtering through. A semi-transparent light blue rectangular box is positioned in the upper right quadrant, containing two paragraphs of text.

At Lo-Chlor our extensive knowledge of swimming pool water provides you with a range of products that are essential for your pool maintenance. Our range of products can solve a multitude of issues from cleaning filter media and salt cell electrodes to removing calcium from pool covers and pools surrounds, fixing leaks to lubrication of seals.

The range also includes an energy saving Liquid Pool Blanket, which creates an invisible barrier on pool surfaces reducing the cost of running your pool.



# LEAK SEALER



Leak Sealer is designed to seal minor leaks in swimming pools where the water loss does not exceed 2.5cm per day in 60,000 litres of water.

## GENERAL INSTRUCTIONS

1. Turn pool pump off. Remove any automatic pool cleaner from the pool.
2. Set the filter on BY-PASS or RECIRCULATE setting. If neither of these settings are available, then remove the filter grids or cartridges from the filter prior to commencing treatment. Note: Fine fountain jets may block when Leak Sealer is applied. If these jets cannot be removed prior to use, then do not use this product.
3. Leak Sealer should be added at the rate of 1 litre per 60,000 litres of pool water. There are two methods of application for Leak Sealer depending on the location of the leak.
  - (A) LEAK IN POOL SURFACE: If possible locate the area of the leak and add the product to this area. Otherwise distribute the product evenly around the pool.
  - (B) LEAK IN PIPEWORK: Add the correct dose of Leak Sealer directly into the skimmer. Set up a pool vacuum hose (with vacuum head attached) at the deepest point of the pool. Check that the vac hose is free of air before application.
4. If uncertain of the location of the leak use method (B).
5. Wait 30 minutes and then turn the pump on. Leave the pump running for a minimum of 8 hours.
6. Mark the water level and check in 24 hours.
7. Leave the pool until all residue settles (within 6 hours) and vacuum any residue to waste.
8. A second application may be required in larger pools or if the loss of water has been reduced.

## DOSE RATE

1 Litre treats 60,000 litres (13,500 gallons).

**Please note:** Leak Sealer should not be used when the swimming pool water temperature is below 6 degrees Celsius, and is not recommended to repair torn vinyl liners.



# SALT CELL CLEANER



Salt Cell Cleaner has been specifically developed to remove calcium scale deposits from salt chlorinator cells. It can also be used to remove calcium scale deposits from slatted pool covers and pool surrounds. Use of Salt Cell Cleaner has many advantages which include:

- ✓ Proven formulation.
- ✓ Does not harm the precious metals on the cell.
- ✓ Reusable and effective for a maximum of 3 applications.

## GENERAL INSTRUCTIONS

### CLEANING OF SALT CHLORINATOR CELLS:

1. Turn off the pump, filter and salt chlorinator.
2. Remove the salt chlorinator cell.
3. For best results wash or hose the cell in clean warm water.
4. Fully immerse the cell in a clean plastic container containing Salt Cell Cleaner.
5. Leave for 10-15 minutes or until the cell appears clean.
6. Carefully rinse with fresh water and re-assemble the chlorinator.
7. Whilst Salt Cell Cleaner can be re-used, for the best results with heavy scaling, a fresh solution is recommended.

### CLEANING OF SLATTED POOL COVERS & POOL SURROUNDS:

1. Using a clean plastic bucket carefully dilute at the following rates:

Heavy Scale Deposits:	Light Scale Deposits:
1-part product to 5 parts water	1-part product to 10 parts water

2. Apply the resultant solution to the cover using a suitable brush, ensuring maximum coverage of the affected areas.
3. Leave the product on the cover for a maximum of 15 minutes. For older scale deposits further brushing may be required.
4. After 15 minutes thoroughly rinse/wash the treated area with water.

**Please note the following:** The product is acidic therefore post treatment always check the pool water balance, and adjust if necessary. Any other pool fabrics that are sensitive to acid, such as marble, chrome, stainless steel, aluminium and enamel should be covered during the application, cleaning, and rinse phases above. This will protect them from any splashes that may occur.  
**IMPORTANT - THIS PRODUCT SHOULD BE HANDLED WITH CARE. IT IS ADVISED YOU WEAR GOGGLES, GLOVES AND MASK RESPIRATOR.**



# LIQUID POOL BLANKET



Liquid Pool Blanket is a specially blended formula that forms a protective layer on the pool water surface, reducing evaporation and heat loss to the atmosphere. Liquid Pool Blanket reduces evaporation by approximately 25% and temperature loss by 3-4 degrees.

## DOSE RATES:

POOL VOLUME	
LITRES	MONTHLY DOSE
25,000	125ml
50,000	250ml
75,000	375ml

## FEATURES & BENEFITS:

- ✓ Forms an ultra-thin and invisible barrier on the surface of the water reducing evaporation.
- ✓ A safe alternative to traditional covers.
- ✓ Up to 20% more effective than other similar products.
- ✓ Non-flammable formula.
- ✓ It is compatible with all types of swimming pools and all disinfection treatments.

## APPLICATION INSTRUCTIONS:

1. Shake well before use.
2. Dose the required amount of Liquid Pool Blanket, whilst the pumps are turned 'on' to assist product distribution. Run the pumps for at least an hour after application, before allowing the invisible pool blanket to form on the still water surface – it's optimal working conditions.
3. Repeat dose every month.

## TEST DATA:

Trials were undertaken simulating pool water with and without Liquid Pool Blanket over a period of one month. Water loss was measured, and the results are shown below.

SAMPLE	% WATER WEIGHT LOSS		% DIFFERENCE A + B
	POOL WATER A	POOL WATER WITH LIQUID POOL BLANKET	
TEST 1	30.66%	21.85%	28.74%
TEST 2	29.27%	23.86%	18.49%
TEST 3	29.65%	22.79%	23.14%
TEST 4	29.69%	20.73%	30.18%
TEST 5	28.01%	20.00%	28.59%
AVERAGE	29.45%	21.85%	25.83%

The test data showed a 25.83% reduction in water loss when the difference was calculated as a percent of the control. Therefore, in conclusion the test data showed with the use of Liquid Pool Blanket resultant water loss through evaporation is significantly reduced.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.



# FILTER CLEANER & DEGREASER



Filter Cleaner & Degreaser is a superior filter cleaner which can be used on all filters types including sand, cartridge and DE filters in swimming pools. Our unique formula effectively breaks down calcium scale and body fats, enabling the filter to work at maximum efficiency.

## GENERAL INSTRUCTIONS

### SAND FILTERS:

1. Turn off the pump and filter and block off all pool return lines.
2. Undo the filter cover.
3. Mix 1 litre of product to 10 litres of cold water, in a suitable clean plastic bucket, and pour directly into the filter housing. **DO NOT ADD TO THE POOL!!**
4. Allow to stand for 24 hours.
5. After 24 hours' backwash filter thoroughly and follow up with the "RINSE" cycle (if available) for ten seconds.
6. Resume normal filter operation.

### CARTRIDGE & DIATOMACEOUS EARTH FILTERS:

1. Dismantle filter and hose elements to remove all surface debris.
2. Add Filter Cleaner & Degreaser to cold water in a suitable clean plastic container. The dilution rate is 1 part product to 50 parts water.
3. Place the filter elements into the diluted solution.
4. Allow to soak for 24 hours.
5. Rinse thoroughly and reassemble filter, and resume normal filtration.



# NO MORE BUGS



No More Bugs is a unique non-foaming formulation which reduces the surface tension of the pool water, completely ridding the pool surface of floating insects. With reduced surface tension insects cannot float and sink to the bottom of the pool where they are either filtered or vacuumed to waste.

## GENERAL INSTRUCTIONS

1. For best results add No More Bugs as close as possible to the problem area of the pool.
2. Repeat application if necessary.
3. DO NOT add to the skimmer basket.
4. Insects will sink to the bottom of the pool. Filter or vacuum to waste.

## DOSE RATES

Add 100ml of No More Bugs per 10,000 litres of pool water.

POOL VOLUME:		DOSE:
GALLONS:	LITRES:	
2,200	10,000	100ml
6,600	30,000	300ml
13,200	60,000	600ml

**PLEASE NOTE:** This product is designed to remove insects and bugs that settle on the pool water surface. It does not act as a repellent to deter flying insect, such as wasps which hover around pool areas.



# HYDRA-SLIP LUBRICANT



Hydra-Slip Lubricant is a long lasting, heavy duty silicone lubricant designed to protect rubber and plastic parts from wear and tear. Perfect for use on o-rings, seals, hinges and automatic pool covers. Its unique formulation will not expand or weaken rubber parts and o-rings.

## WHAT ADVANTAGES DOES IT HAVE OVER OTHER SIMILAR PRODUCTS?

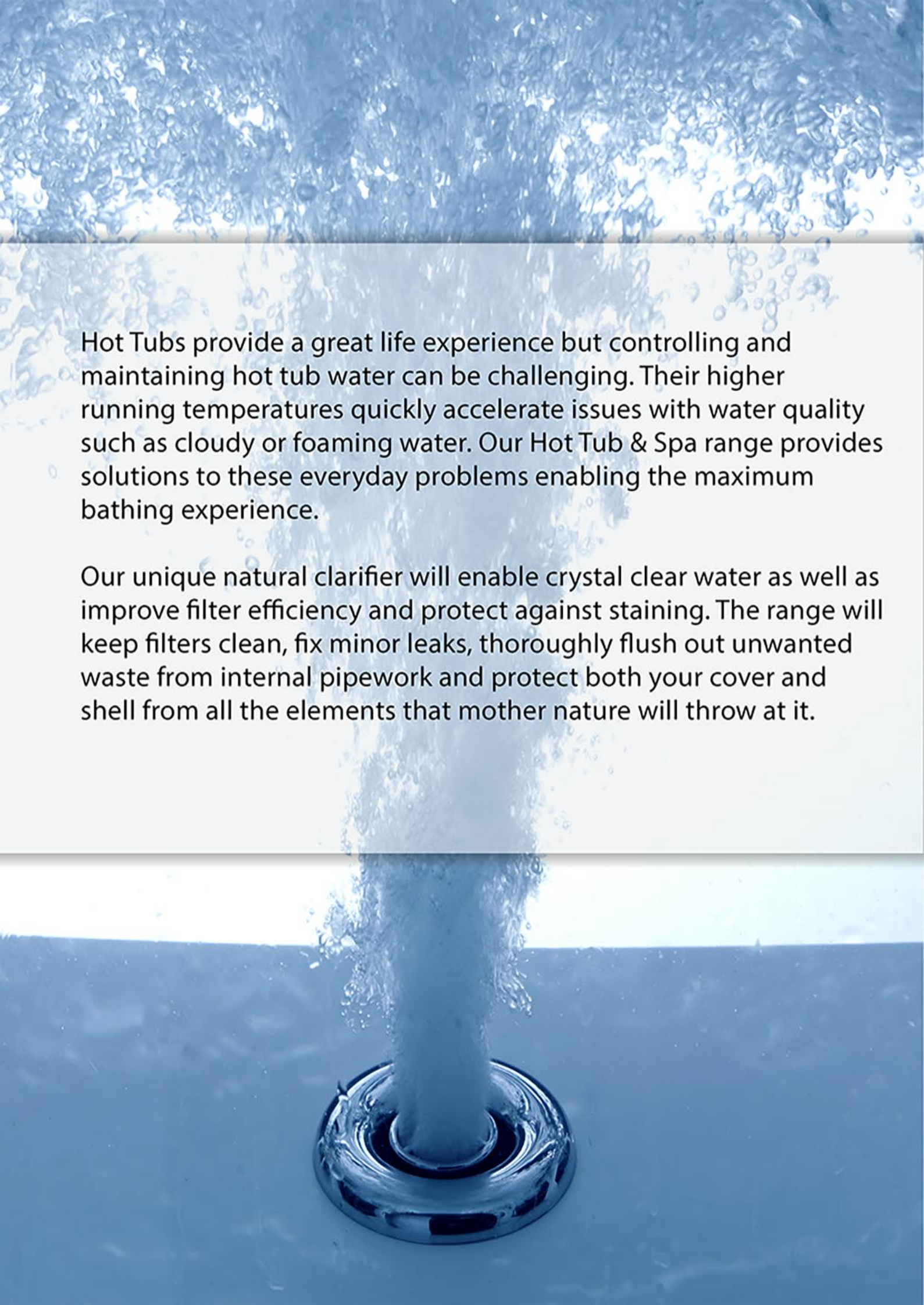
- ✓ Multi uses in swimming pool and spa applications.
- ✓ Proven and trusted formulation.
- ✓ Repels moisture.
- ✓ Specifically formulated for use in chlorinated water.
- ✓ Non-Staining – will not mark pool equipment.
- ✓ Thick consistency – giving an extremely thorough coating.
- ✓ Hot water stable.



# Hot Tub & Spa







Hot Tubs provide a great life experience but controlling and maintaining hot tub water can be challenging. Their higher running temperatures quickly accelerate issues with water quality such as cloudy or foaming water. Our Hot Tub & Spa range provides solutions to these everyday problems enabling the maximum bathing experience.

Our unique natural clarifier will enable crystal clear water as well as improve filter efficiency and protect against staining. The range will keep filters clean, fix minor leaks, thoroughly flush out unwanted waste from internal pipework and protect both your cover and shell from all the elements that mother nature will throw at it.



# INSTANT FILTER CLEANER



Instant Filter Cleaner quickly removes debris, oils, body fats and dirt utilising a unique “No Soak” formula. This product is suitable for use on both hot tub and swimming pool cartridge filters.

## GENERAL INSTRUCTIONS

1. Wear protective gloves and use outdoors/well ventilated area. Avoid use on windy days.
2. Remove filter/s from the filter compartment.
3. Rinse the filter/s with fresh water, a hose pipe is ideal to remove loose pollution from the filter.
4. Turn the nozzle on the trigger spray applicator from the STOP to SPRAY position.
5. Thoroughly spray the filter with Instant Filter Cleaner taking care to penetrate the filter veins with product. After use turn the nozzle of the spray applicator from SPRAY to STOP and store the bottle safely.
6. Leave the filter/s to stand for a minimum 15 minutes.
7. Rinse the filter/s thoroughly with fresh water from a hose pipe – at this stage foaming may occur. Continue rinsing until foaming stops.
8. Heavily soiled filters may require a second application.
9. Once the filters have been thoroughly cleaned and flushed, they can be returned to the filter compartment of your pool, hot tub, or spa.

**PLEASE NOTE:** Instant Filter Cleaner should be used on a weekly basis to ensure that your filters work to maximum efficiency.



# HOT TUB SYSTEM FLUSH



Hot Tub System Flush is a concentrated cleaner for the internal pipe-work in Hot Tubs and Spas prior to drain down. It removes calcium scale, body fats and other unwanted harboured waste from the internal system.

## GENERAL INSTRUCTIONS

1. Remove filter cartridge from filter compartment.
2. Ensure water level is at least 50mm above the jets.
3. Turn the hot tub/spa to run and empty the required dose into the filter compartment (see table below).
4. Run your hot tub/spa for a minimum of 30 minutes.
5. Turn off the hot tub/spa for 30 minutes.
6. Run the hot tub/spa for a further 30 minutes.
7. Drain the hot tub/spa and using a garden hose wash away any debris from around the shell and jets.
8. Refill with fresh water.
9. Sanitise the hot tub/spa with your chosen disinfectant prior to re-using.

## DOSE RATE:

VOLUME OF WATER:	DOSE:
Up to 1,300 litres	250ml
1,300 litres to 2,600 litres	500ml

**PLEASE NOTE:** For normal use, treatment should be carried out at least every 12 weeks prior to drain down as this will assist in the removal of waste build up. For heavy use, treatment should be carried out on a 6-week basis.



# ULTRA SPA CLARIFIER



Ultra Spa Clarifier is a fast-acting hot tub water clarifier based on a natural polymer called CHITOSAN.

## ADVANTAGES OVER OTHER PRODUCTS:

- ✓ New **concentrated** formulation.
- ✓ Fast acting non-toxic and readily biodegradable natural clarifier.
- ✓ Removes body fats, cosmetic oils & suntan lotions.
- ✓ Removes dissolved metals.
- ✓ Removes dead algae spores.
- ✓ Improves filtration due to its “enzymatic effect” on unwanted pollution.
- ✓ Economical to use.
- ✓ Compatible with all recognised sanitisers.

## GENERAL INSTRUCTIONS

1. Ensure that your hot tub/spa water is correctly balanced.
2. Clean the filter/s prior to use – we recommend the use of Lo-Chlor Instant Filter Cleaner for cartridge filters.
3. Add the required amount of product to the hot tub/spa (use the dose rate below).
4. Run the circulation pump for a minimum of 1 hour.
5. Repeat the dosage on a fortnightly basis and when refilling the hot tub/spa.

## DOSE RATE

100ml per 1,800L fortnightly or as and when required:

WATER VOLUME (LITRES):	PRODUCT DOSE (ML'S):
900	50
1800	100
2700	150
3600	200



# HOT TUB & SPA POLISH



**Hot Tub & Spa Polish seals, polishes and protects all acrylic, vinyl and rubber surfaces. This gives protection against moisture, harsh chemicals, and UV rays.**

## GENERAL INSTRUCTIONS

1. Always ensure the surface to be treated is clean and free from debris.
2. Turn the nozzle on the trigger spray applicator from the STOP to SPRAY position.
3. Apply Hot Tub & Spa Polish via the following methods:
  - a. Using a clean soft cloth: Spray Hot Tub & Spa Polish onto the cloth, ensuring the cloth becomes damp, and apply using circular motions ensuring all the required area is treated.
  - b. Spraying directly: Spray Hot Tub & Spa Polish directly on the surface to be treated and then with a soft clean cloth apply evenly over the entire surface area using circular motions.
4. After application allow to air dry for a few minutes.
5. Buff off lightly with a clean dry cloth.
6. After use turn the nozzle of the spray applicator from SPRAY to STOP and store the bottle safely.

## PROFESSIONAL TIPS:

1. When applying Hot Tub & Spa Polish to the acrylic shell after drain down, always allow the surface to air dry for a minimum of 30 minutes before refilling the hot tub/spa.
2. Hot Tub & Spa Polish can also be used on the headrests, however always ensure these are removed from the shell to avoid the product entering the water. Treated headrests should be allowed to air dry prior to re-fitting.
3. Hot Tub & Spa Polish can also be used to protect many other surfaces such as garden furniture, car interiors and exteriors, household work surfaces, stainless steel, and uPVC (can aid colour restoration on uPVC).
4. Hot Tub & Spa Polish can be applied in either wet or dry conditions. For best results apply in dry conditions.



# NO MORE FOAM



No More Foam is a fast-acting antifoam for eliminating unsightly foam in hot tubs and spas. No More Foam should only be used when foam is present.

## GENERAL INSTRUCTIONS

1. Shake the bottle well.
2. Turn the nozzle on the trigger spray applicator from the STOP to SPRAY position.
3. Spray sparingly over the affected area, being careful not to overdose.
4. After use turn the nozzle of the spray applicator from SPRAY to STOP and store the bottle safely.

## PROFESSIONAL TIPS:

1. Always apply No More Foam with the pump running to help distribution.
2. When foam is present in your hot tub or spa it is a sign that your water is out of balance, in particular high levels of unwanted dissolved compounds. These arise from sweat, oil, shampoo and soap that wash off users of the spa or hot tub. Combined with the higher running temperature, vigorous agitation of the water and the introduction of air.
3. Always encourage users to shower before use to help minimise foaming of the water.
4. Over dosing with antifoam can reverse the process and increase foaming over time.

**PLEASE NOTE:** No More Foam does not remove or inactivate foam causing compounds. It only temporarily reduces their ability to produce foam.



# SPA LEAK SEALER



Spa Leak Sealer is a concentrated formulation to seal minor leaks in hot tubs and spas. It can be used for leaks in either the shell and/or internal plumbing system.

## GENERAL INSTRUCTIONS

1. Remove all cartridge filters, or for sand filters select the BYPASS option (if applicable) prior to dosing the product.
2. With the pump running add the required dose of Spa Leak Sealer (see dose rate below) slowly through the skimmer or in front of any other suction intake. Air blowers must not be run during the treatment process!!
3. Spa Leak Sealer is very heavy and will sink to the deepest point, which in most cases will be below the bottom drain, therefore the product must be stirred back into suspension every 45 minutes, whilst the water circulates.
4. Leave the water circulating for a minimum of 3 hours after which time check to see if the leak has stopped (if visible) and/or check the water level. If the leak has slowed down continue to run the circulation system for another 3 hours.
5. When the leak has stopped turn off the pump and let any residue settle to the bottom of the spa – this can then be removed with a suitable spa vacuum.
6. Replace the cartridge filters and let the system circulate for 45 minutes, after which time remove the cartridges and thoroughly clean with fresh water to remove any product residue from the filter veins.
7. After the leak has stopped, it is recommended that the hot tub/spa is fully drained and left empty for a minimum of 48 hours for the product to cure.

**PLEASE NOTE:** The leak may be slowed down after one application, if this is the case we recommend a second application.

## DOSE RATE:

Spa Leak Sealer should be dosed at a rate of 225ml's per 2,000 litres of water.



# VINYL RESTORER & PROTECTOR



Vinyl Restorer and Protector is a unique product that has been specially formulated to both restore and protect Spa & Hot Tub vinyl covers. Our product is based on proven technologies in the marine industry.

## ADVANTAGES OVER OTHER PRODUCTS:

- ✓ Water Repellent – Hinders the penetration of water by giving your cover its own “rain coat”.
- ✓ Built in SPF Protection – Prevents against fading from UV rays!
- ✓ Remains effective for up to 30 days – giving you peace of mind however the more you use it the better protection you get.

## PROFESSIONAL TIPS:

New Covers - Simply spray on and leave to dry.

Older Covers - Spray on and wipe the area with a soft cloth then re-apply and let it dry.





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