

MineralSpa is a revolutionary range of **chlorine-free swimming pool/spa supplies** designed for easy cleaning and maintenance of both domestic and commercial pools and spas.

HOW MUCH DO I NEED?

Example: 30,000 Lt Pool (6,500 gallons) 24' x 12' x 52" or 18' diameter x 52"-500ml (whole/Initial dose)

1 Ltr MineralSpa Liquid, 10Kg tub of regenerator+, 3 in 1 test Kit, Ph+ or Ph-

Add once a week when your pool/spa is in use or every 4 weeks when not in use

Now Test Strips for Copper Levels and MPS - Oxygen Level The Boxed Test Kits are now not available but you may need to use this guide if you have one

MINERALSPA POOL TESTER GUIDE (for 3 Section Vial)

1. Remove the lid and rinse out the compartments with swimming pool/ spa water to be tested.
2. Fill all compartments to the top with swimming pool/spa water to be analysed. Scoop the water from approximately 30 centimetres below the surface.
3. Add one **PHENOL RED** tablet to the **left** hand compartment by tearing open the foil strip without touching the tablet with your fingers.
4. Add one **COPPER No.1** tablet to the **middle** compartment by tearing open the foil strip without touching the tablet with your fingers.
5. Add one **DPD No.4** tablet to the **right** hand compartment by tearing open the foil strip without touching the tablet with your fingers.
6. Use the stirring rod to break down the Copper No.1 tablet as this will not dissolve as quickly as the other two tablets.
7. Replace the lid of the POOLTESTER with the arrows pointing towards the printed front.
8. Once all of the tablets have disintegrated, invert the POOLTESTER several times to mix the contents thoroughly.
9. Take the readings by holding the POOLTESTER towards natural daylight. Select the nearest colour match against the colour standards and read off the corresponding values.

This is a guide to accompany you when performing your maintenance - Please follow the instructions on your chemical bottles to ensure that the correct measurements are taken.

10. The value on the left is the **pH value**, target range between **7.0-7.4**
11. The value in the middle is the concentration of **Copper (mg/l)** which indicates the level of MineralSpa, target range between **0.6 – 0.7 mg/l** (read small squares either side of centre copper chamber)
12. The value on the right is the concentration of **Oxygen (mg/l)**, which indicates the level of MineralSpa Regenerator, target range between **3.0 – 8.0mg/l**

NB If using the 1 section Vial Test as above but do individual tests.

For 6,500 gal / 30,000 ltr pool – whole dose MineralSpa 500ml

When Copper level below 0.4mg/l add 25% - 50% of whole dose

25% dose of MineralSpa= 125ml

50% dose of MineralSpa = 250ml

Dose regenerator+ directly into pool water (in front of return fitting to allow good circulation)

Regenerator+ should be used when **bathing has ceased as a shock treatment or 15 mins** before bathing begins or **at the first sign of a cloudy or green pool/spa**

Dose Rate of Regenerator+ 10g per 1000 litres

30,000 litre Pool = **300g**

Apply the required amount of MineralSpa by pouring the half dose directly into the skimmer box keeping the pump running to allow re-circulation, add the other half of the dosage evenly around the pool. In larger commercial pools, MineralSpa can be added manually or via an automated dosage system.

Changing from chlorine to MineralSpa is easy. Adjust the pH level to between 6.8-7.4 (**target 7.2**) then add appropriate dose of MineralSpa instead of chlorine when you next treat the pool.

Use copper test strips or electronic test equipment and maintain the copper level between 0.4 and 0.8 ppm.

If required adjust future dosage accordingly. As a guide, when your copper reading reads 0.4 ppm add a quarter to a half of the initial dose.

Keep the pH between 6.8 and 7.4 (target 7.2). Add pH+ or pH- to adjust. This will ensure you have clear and safe water to bathe in. Should the water begin to look cloudy or green, dose with MineralSpa regenerator as per dosage instructions.

MineralSpa regenerator should only be added after dosing with MineralSpa.

Dosage Table Guide

In all cases below, ensure the pH level remains within the recommended levels of 6.8 to 7.4 (target 7.2).

The below dosages are based on an initial copper reading of 0.0 in the pool water/ spa water.

25,000 litres = initial dose 400ml

30,000 litres = initial dose 500ml

60,000 litres = initial dose 1litre

90,000 litres = initial dose 1.5 litres

120,000 litres = initial dose 2 litres

150,000 litres = initial dose 2.5 litres

300,000 litres = initial dose 5 litres

This table shows the approximate amount of *MineralSpa* required to raise the copper level by 0.1 mg/l (ppm).

25,000 litres = MineralSpa dose 50ml

30,000 litres = MineralSpa dose 60ml

60,000 litres = MineralSpa dose 120ml

90,000 litres = MineralSpa dose 180ml

120,000 litres = MineralSpa dose 240ml

150,000 litres = MineralSpa dose 300ml

300,000 litres = MineralSpa dose 600ml

Therefore, if the copper reading in a 30,000ltr pool is 0.3 and you wish to raise the level to 0.6 add

180ml of MineralSpa.

As a guide when the test strip or electronic test meter shows less than 0.4 mg/l (ppm) of copper add a

quarter to a half of the initial dosage. The maximum level of copper should not exceed 0.8 mg/l (ppm).

Dosage levels are only a guide.

Regularly test pool water.

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MineralSpa Regenerator

For regeneration of MineralSpa and shock treatment of pool water/ spa water.

Treats cloudy or green water and leaves your pool sparkling and clear.

MineralSpa Regenerator dissolves rapidly to break down pollutants in the water such as bather waste.

Use MineralSpa Regenerator at the first sign of cloudy or green water.

It helps to restore the activity of MineralSpa chlorine free pool treatment so that it works to best effect as a pool/spa sanitizer breaking down organic matter.

Instructions.

1. MineralSpa Regenerator can be dosed directly into the pool water. It should be used when bathing has ceased, bathing can resume 15 minutes after application.
2. Calculate the volume of water in your pool.
3. The dose rate is 200g of MineralSpa Regenerator to 10,000 litres (2,200 imperial gallons) of pool water.
4. Dose into the pool where there is good water movement, or evenly over the surface of the water.
5. Use once a week when pool is in use or once every four weeks when the pool is not in use.
6. High volume bather pools, commercial, may need to treat with MineralSpa Regenerator more frequently. This can be checked by testing oxygen levels, that should be between 3.0 – 8.0 mg/l (ppm) using appropriate tester.
7. If the pool water is cloudy or looks green on inspection, dose the pool with 200g of MineralSpa Regenerator per 10,000 litres of pool water.

Mineralspa Regenerator volumes

25,000 litres = initial dose 500g

30,000 litres = initial dose 600g

50,000 litres = initial dose 1 kg

90,000 litres = initial dose 1.8 kg

120,000 litres = initial dose 2.4 kg

150,000 litres = initial dose 3 kg

300,000 litres = initial dose 6 kg

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Regularly test pool water.

Volume of Water

Always re-calculate the volume of water in any pool to be treated. Most pool owners will have a distorted view of the volume of water in the pool. This calculation is the basis for every dose of chemical that will be introduced to the pool and is therefore vital.

To calculate the volume of water:

Length x Breadth x Average Depth = volume of water

Average depth is calculated by (depth in the shallow end + depth in the deep end) divided by 2.

Length 18 mtrs x 8 mtrs Breadth depth in the shallow end 1 mtr + depth in the deep end 2 mtrs,

therefore average depth = (1mtr + 2 mtrs) divide by 2 = 1.5 mtrs.

Therefore volume = $18 \times 8 \times 1.5 = 216$ cubic meters = 216,000 litres

MINERASPA INITIAL START-UP GUIDE

Step by Step

1. Calculate volume of pool (Measure length x width x average depth (eg) Length 8 x Width 5 x Average depth 1.5 = 60 cubic metres = 60,000 litres)

2. Measure pH Ensure pH is between 6.8 and 7.4 aim for 7.2, if pH too high add pH if too low add pH+

pH of 7.2

DO NOT PROCEED TO STEP 3 UNTIL STEP 2 COMPLETED

3. Initial dosage calculation of MineralSpa. First, check pool water copper level.

Take any level into account

on calculating first dose.

1 Litre per 50/60,000 litres of pool water. Therefore 90,000 litre pool requires 1.5 litres of MineralSpa.

Test water for copper level using MineralSpa or copper test kit or strips. Ensure reading between 0.4 and 0.7 mg/l (ppm) Add required amount of MineralSpa copper level 0.5–0.6

4. Initial dosage calculation of MineralSpa Regenerator Add 20gms per 1000 litres 50,000 litres = 1kg

Add required amount of MineralSpa Regenerator to ensure crystal clear water.

Public or municipal pools to check oxygen levels are between 3.0 and 8.0mg/l (ppm) (Average depth is calculated by: Depth in shallow end x Depth in deep end divided by 2)

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