

# GREENULE™ SILVER POOL SANITIZER (SPS) ADDING HYGIENE TO THE POOL EXPERIENCE



INTRODUCING

## GREENULE™ SPS

*a solution to all your pool worries...*

Promoting freshness and hygiene, Greenule™ SPS water treatment is a novel, chlorine-free, silver-based sanitizing technology. Greenule Silver Pool Sanitizer is a safe antimicrobial that has no side effects, unlike conventional pool chemicals.

Traditionally, chlorine, sodium bicarbonate and sodium carbonate are used to maintain pool hygiene. However these chemicals cause menacing side effects while providing less than effective sanitization. Silver – a natural material used for centuries to combat bacteria, viruses and algae – eliminates these side-effects and ensures greater protection.

The best of pools leave much to be desired as users always wish for a better pool experience.

What pools need is an efficient sanitization solution that is not accompanied by the typical side effects from traditional chemicals like chlorine.

COST  
EFFECTIVE  
SOLUTION



## Why silver?

Valued for over 2,500 years, silver is a proven antimicrobial, safe for human use. From foils that wrap edibles, to plates to eat on and ornaments that touch the skin – silver's antibacterial properties have been used in different ways. Greenule Silver Pool Sanitizer is a form of silver that can be safely used in pools.

## Greenule™ SPS scores over chlorine

	Greenule™ SPS	Chlorine	Ozone treatment
<b>Effectiveness</b>	<ul style="list-style-type: none"> <li>Continued residual activity on the pool floor and walls several days after treatment</li> <li>Kills more illness-causing micro-organisms</li> <li>Eliminates tough algae and kills bacteria that resemble algae</li> <li>Ensures crystal-clear, safe water that is free of pathogens and infection</li> </ul>	<ul style="list-style-type: none"> <li>Chlorine levels are disturbed by harsh sun rays in open pools</li> <li>Evaporation, splash out, destructive UV rays and pH change reduces effectiveness</li> </ul>	Ozone treatment is a continual process to ensure that all organic molecules in the water bond with the free radical oxygen atom and neutralise
<b>Odour</b>	<ul style="list-style-type: none"> <li>An odourless, tasteless, safe product</li> <li>Allows you to use the pool immediately after application, unlike chlorine</li> </ul>	Distinctive, pungent, swimming pool chloramines release an unpleasant odour	Pungent odour
<b>Health, skin and hair</b>	<ul style="list-style-type: none"> <li>No sore eyes, bleached hair and swimsuits or odour after swimming</li> <li>Zero possibility of ill effects on health or pools</li> </ul>	<ul style="list-style-type: none"> <li>Leads to breathing trouble even in trained swimmers</li> <li>Causes skin drying, red eyes, rashes and other skin irritations or problems</li> <li>Excess absorption damages hair and results in greying</li> </ul>	The ozone sanitization system is acidic and corrosive in nature
<b>By-products</b>	No by-products that cause build-up, malodour and affect the water clarity	Chlorine reacts with pool water contaminants resulting in hazardous by-products: <ul style="list-style-type: none"> <li>Aldehydes</li> <li>Halogenated hydrocarbons</li> <li>Chloroform</li> <li>Tri Halomethanes (THM)</li> <li>Chloramines</li> </ul>	Ozone sanitization provides no residual effect. Thus it is only a partial solution, still requiring an additional sanitizer, like chlorine or bromine, in order to provide continuous protection
<b>Safety</b>	<ul style="list-style-type: none"> <li>Easy and safe sanitization compared to other purifying agents</li> <li>No change in the pH level, therefore no need to add pH adjustment chemicals</li> <li>Compatible with other pool maintenance process and chemicals</li> </ul>	<ul style="list-style-type: none"> <li>Lethal in large amounts</li> <li>When the level is high, the rate of exercise-induced-asthma jumps to over 60%</li> <li>Bleaches swimsuits and the pool liner</li> </ul>	As ozone is toxic, all traces must be removed prior to using the pool
<b>Cost</b>	A cost-efficient solution	Low-cost, but with adverse effects	High cost of initial set-up, daily operations and electricity consumption

### Greenule SPS. Application dosage:

#### ● Private Pools and Spas

- Weekly top up is suggested for both Greenule Shocker & Greenule Silver Pool Sanitizer

	Greenule Shocker	Greenule Silver Pool Sanitizer
one-time treatment	20 mg/L	30 mg/L
top up	10 mg/L	6 mg/L

#### ● Public Pools & Spas (High Bio-load)

- For Greenule Shocker, twice a week\* top up is suggested.
- For Greenule Silver Pool Sanitizer, weekly\* top up is suggested.

	Greenule Shocker	Greenule Silver Pool Sanitizer
one-time treatment	20 mg/L	50 mg/L
top up	20 mg/L	10 mg/L

\*During heavy rainfall or heavy wind with dust/dirt or when bathing loads are high, an additional top up with the Greenule Shocker is required



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