



GROUP  
**BARCHEMICALS**<sup>®</sup>  
*THE PERFECT FORMULA*

**BARCHEMICALS' PROFESSIONAL LINE  
GENERAL CATALOGUE  
CHEMICAL PRODUCTS  
2022-2**

BIO SAFETY



COMPLETE REGISTER PMC  
AND BIOCIDAL LINE PRODUCTS



ENGLISH

This catalog cancels all previous ones and will remain valid until the replacement - even partially  
- with new versions.

Issue date: January 2022



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**BARCHEMICALS**<sup>®</sup>  
THE PERFECT FORMULA

This Brochure is the result of more than thirty years of experience by a Large Italian Group: Barchemicals Group.

Barchemicals Group is an all-Italian business currently consisting of 3 companies which share projects, visions and values, including client and collaborator Safety and the protection and respect for Environmental Resources.

It works in the primary, drinking, and **swimming pool** water treatment industry, both in Italy and abroad, stretching 360° across every managerial problem with particular focus on the disinfection and water treatment industry, environmental disinfection and sanitation, control and automation.

Founded and directed by Dr Corrado Barani, the Group holds multiple patents and invests heavily in Research and Innovation resources.

Barchemicals is the parent company; it manufactures chemical products for the treatment and conditioning of every kind of water. Its thirty year experience is condensed into 4 product ranges: Swimming pools, Cleansers, Ti line and the **"I Sali della Vita"** line of products. Thanks to an innovative and efficient productive system, Barchemicals designs and manufactures exclusively high quality, reliable chemical specialities. These strictly "Made in Italy" products meet stringent quality criteria and are developed along a strict course of research and safety tests.

The **Barchemicals Chemical Brochure** was designed specifically for key players in the water treatment industry and professional swimming pools maintenance services and represents a compendium of our technologies and expertise developed to meet the requirements of our professional customers.

The constant focus on Research and Development has allowed the development of innovative products, presented in dedicated chapters:

- **"I Sali della Vita"**, a line of Water Treatment products that introduces an innovative approach to the management of swimming pools and SPAs, linking beauty to health, well-being to safety and exceptional versatility, while reducing environmental impact.
- **No-Chlor**, a line of alternative biocide products.
- Biopharma, a line dedicated to the management of critical levels of Legionella Pneumophila.
- A section dedicated to **cleansing** products and in particular to **nanotechnologies**.

With a view to enhancing R&D activities on **Biosafety** and the protection of consumers' and operators' health, products certified as **PMC (Presidio Medico Chirurgico, Medical and Surgical Device)** and pre-registered products compliant with the new **EU Biocides Regulation 528/2012 (EU BPR)** are specially marked.

Barchemicals Group aims to meet its customers' expectations and launch innovative products to promote a new "Safety and Well-being" approach, based on the technologies and know-how developed by the Group over the past 35 years.



[www.barchemicalsgroup.it](http://www.barchemicalsgroup.it)

Follow Barchemicals Group on:  

BARCHEMICALS GROUP

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# BIO SAFETY

Barchemicals believes in Biosafety. Barchemicals introduces the basic concept of Biosafety to the swimming pool industry.

The swimming pool industry will no longer be approached in separate and specialised sectors focusing on all aspects of safety.

We at Barchemicals will go beyond swimming pool water treatment and the maintenance of related equipment to include the design, implementation and maintenance of the surrounding environment (air, water, edges, reception, etc.). We will not stop at ensuring the health and safety of swimmers but also of anyone who operates in swimming pool environments.

Biosafety is no longer limited to ensuring the safety of swimming facilities, but it also includes their environmental impact, e.g. by preventing the contamination of surrounding areas with pollutants in waste water or with airborne diseases (i.e. Legionella) through cooling towers.

Biosafety also means preventing issues that can cause diseases in current or future users of swimming facilities, whether in the short or long term. For this reason, the Barchemicals' R&D department, in collaboration with Universities and private or public Research Institutes, funds and supports research into innovative materials, less polluting and more effective.

In particular, Barchemicals focuses on the development of biocides, effective at low doses, less harmful to users' health and less likely to become less effective due to bacteria resistance over time.

Barchemicals is also exploring the design of new self-sterilising filtering materials that can reduce toxic pollutants in the swimming pool water or in sanitary or potable water, as well as conducting research on ways to reduce airborne pollutants in swimming facilities.

Barchemicals supports the research and development of new water treatment systems, but also promotes products and processes that can help people live healthier and happier lives, now and in the future.

Barchemicals is aware of its significant social role, as in the past 35 years it has created jobs and improved the local economy by employing dozens of people and training many young employees at its production and administrative facilities.

Leveraging the opportunities of a competitive free market, Barchemicals has contributed to raising the quality of water treatment systems at swimming pools in Italy and abroad.

Commitment to research and innovation and the promotion of people's health and well-being are core values that make of Barchemicals an industry leader at the cutting edge of technology.

Biosafety is Barchemicals' latest target to ensure the health and well-being of the community.

#### WHAT DOES COMMITMENT TO BIOSAFETY MEAN FOR BARCHEMICALS GROUP?

1. Firstly, obtaining the registration outside Europe of products containing biocides, included in the authorized local and European registers (BPR).
2. Obtaining the Medical and Surgical Device registration in Italy, as required by the Ministry of Health.
3. Avoiding the use of unauthorised products or of products lacking the technical specifications required by BPR.
4. Selecting suppliers based on strict ethical requirements and on the quality of raw materials.
5. Advancing R&D in collaboration with Universities and Research Institutes.
6. Promoting conferences and the continuous training of its human resources and educating its Customers.
7. Promoting R&D grants.
8. Developing new systems for water and air treatment (biomaterials, chemical-physical systems, UV, etc.)
9. Participating and organising conferences and events that promote Biosafety.
10. Expanding the areas of Biosafety application, helping the transfer of skills to different swimming pool know-how areas: potable water for human and animal use, sanitary water, industrial water, waste water, water for food use and for washing and handling food.
11. Encouraging the expansion of the Biosafety concept also to developing countries.

Castelnuovo Rangone 29 September 2021

BARCHEMICALS GROUP  
Dr. Corrado Barani

# OUR PRINCIPLES



**Pure water** - We consider water a source of well-being, purity and vitality, which is why we are committed to "treating" water efficiently.

## **Design and Innovation**

The concept of design and innovation is powerfully rooted in our DNA. All our products are geared towards this.

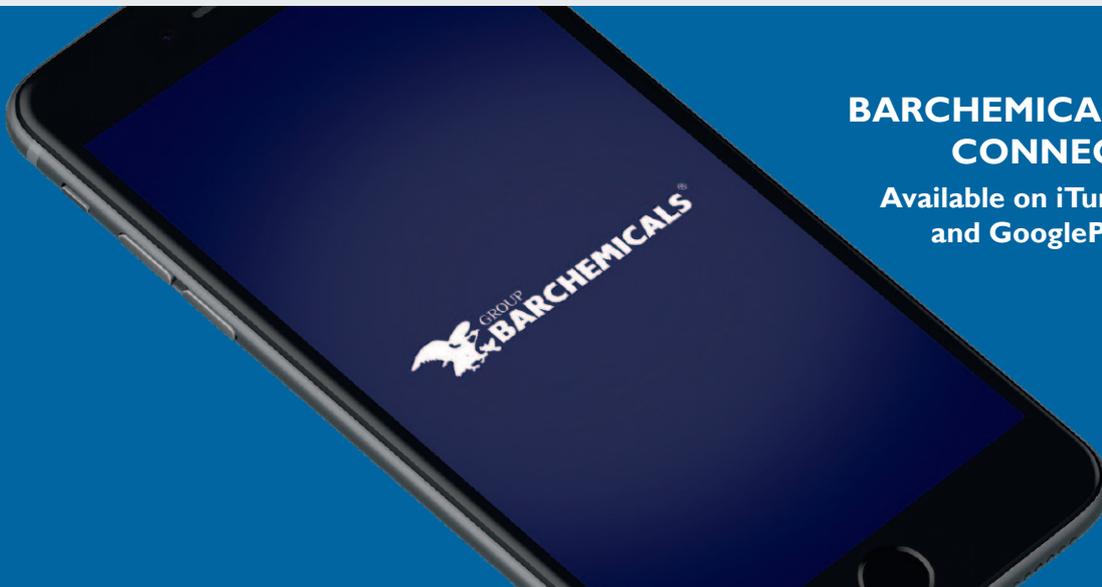


**Safety** - Our organisation is focused on safety, both for those who work professionally in the pool industry and users of the swimming facilities, in compliance with high quality standards.



**Energy Saving** - We are committed to researching and developing environmentally friendly solutions. Our priorities are wasting less water, saving energy and using alternative sources.

# NEWS AND INFO



## BARCHEMICALS CONNECT

Available on iTunes  
and GooglePlay



## BARCHEMICALS CONNECT

Connected to Barchemicals Group wherever you are.

The Barchemicals Connect app provides access to a series of information and documents at any time.

In fact you could easily flick through the most up to date versions of our catalogues, manuals and safety records.

In addition to this, if you are a client or partner, you can download and view other documents using your personal access data, such as:

- Business documents: order confirmations, invoices, etc.
- Results of your analysis
- Communications and notices from Barchemicals Group
- View and use the analysis coupons
- Manage the loyalty points and awards

Barchemicals Connect also allows you to send a request for intervention or analysis at any time.

# ACCREDITED LABORATORY 1879 L

**The Barchemicals Analysis Laboratory is accredited by UNI CEI EN ISO / IEC 17025: 2018 with the number 1879 L.**

ACCREDIA assesses the technical competence and professional suitability of conformity assessment operators, ascertaining their compliance with mandatory rules and voluntary standards, to ensure the value and credibility of the certifications.

Accreditation by ACCREDIA relates to the tests for which the Laboratory has requested and obtained accreditation and for these it ensures: the technical competence, the impartiality of the staff, the adequacy of the equipment and the structure in which they are performed, the adequacy of the quality management system.

These skills are periodically verified through random checks on the tests subject to accreditation and on the quality management system.

ACCREDIA guarantees that the laboratory is able to perform the accredited tests in accordance with the relevant standards or test methods but cannot be responsible for the results of the tests themselves.

The accreditation of the laboratory aims to protect the interest of customers by guaranteeing the technical competence and professional reliability of the testers, including compliance with specific technical standards or regulations. This guarantee is based on compliance with "good management" practices of the test activities, through the adoption of documents of external origin to the laboratory such as the Official Test Methods, Quality Standards and by means of internal documents such as the Quality Manual, Management Procedures, Technical Procedures.

The tests for which the laboratory is accredited are the following:

**Legionella, Cryptosporidium** (to date this is the only Italian private laboratory that has obtained this accreditation), **Giardia** (to date this is the only Italian private laboratory that has obtained this accreditation), **Conta Vitali Microorganisms at 22 ° C, Conta Vitali Microorganisms at 36 ° C, Escherichia Coli, Total coliforms, Enterococci, Pseudomonas aeruginosa, Staphylococcus aureus, Clostridium perfringens, pH**

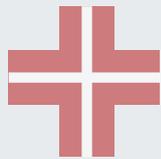
Their application concerns the following matrices:

**water intended for human consumption, bathing water, thermal waters, mineral waters, cooling tower waters, natural waters, surface waters, water intended for air humidification.**

Special analysis service on request.



# HIGHLIGHTED PRODUCTS



## MEDICAL AND SURGICAL DEVICES (PMC) AND BIOCIDES (BPR)

The introduction of EU Biocides Regulation 528/2012 to protect human health has urged producers and distributors of disinfecting agents to implement dramatic changes in their products, whose active ingredients are now required to be registered at European level (calcium hypochlorite, sodium hypochlorite, trichloroisocyanuric acid, etc.). Each chemical substance contained in formulations and products must be entered in a special European register, which includes a report demonstrating its effectiveness, harmfulness and areas of use.

The purpose of the Regulation is to improve the quality of biocides circulating in the European Union, whilst ensuring at the same time a high level of safety for people and the environment. Each biocide is subject to a marketing authorisation and its active ingredients must be approved first. Each active ingredient must first obtain EU approval, and the authorisation of biocides is

obtained from each EU Member State. Generic products will disappear from the market, as will non-certified active ingredients lacking equivalence with reference raw materials (Reference Source).

Barchemicals complies directly with the Biocides BPR Regulation, is included in Art. 95 of the Regulation itself as supplier of active ingredients and has already applied for pre-registration of its formulations in Italy, in accordance with the Regulation deadlines.

Barchemicals also manufactures many products registered as PMC (Medical and Surgical Device) in Italy.

These actions imply the automatic issue of a marketing authorisation in Italy, including a temporary one prior to the issue of the final license.

## TITANIUM LINE

High-tech line of cleansing products for hard surfaces **enriched with photocatalytic titanium.**

The special formulation of products in the titanium line makes treated surfaces self-cleaning and bacteriostatic

The repeated use of these

products reduces and makes cleaning easier thanks to the deposit of micrometric titanium

The deposited photocatalytic particles emit radicals capable of destroying the organic molecules and bacteria found on the surfaces.

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# HIGHLIGHTED PRODUCTS

## QUASAR STICK

NEW!



## QUASAR

**Medical Surgical Device**  
**Registered by Italian Ministry of Health n ° 20121**

**BPR (Biocides) registration pending**

BASED ON CALCIUM HYPOCHLORITE AND ANTI-SCALE AGENTS

Multiaction Calcium Hypochlorite sticks wrapped in plastic film:

- **Chlorinating action**
- **Fights and prevents algae**
- **Coagulating effect**
- **Promotes the precipitation of iron and manganese ions before the filter**
- **Slow dissolution thanks to the plastic film that surrounds it**
- **Maximum security**
- **Does not contain cyanuric acid, does not contain boric acid**

The stick (patented) is supplied in blister packs that act as slow dissolving dispensers to be placed directly in the skimmer basket.



# HIGHLIGHTED PRODUCTS

## ELECTROLYSIS LINE

**Barsalt** uses SMART POWER® technology, digital derivation, which allows an optimal regulation of the polarization power of the electrodes, which also have a programmable bipolar function. The technological upgrade involves extreme precision in the control of the working points of the electrodes, generating a significant reduction in the formation of calcareous residues, with a reduction of up to 95% of the activities of cleaning and maintenance of the cells, guaranteeing the latter and the electrodes themselves a longer average life.

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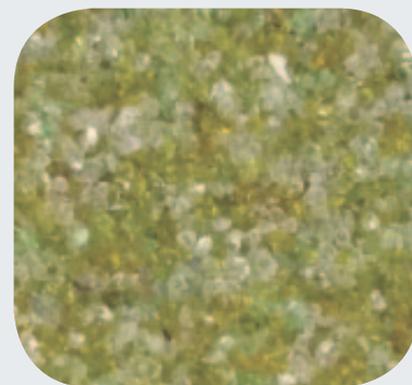
## BioVITRUM

**Biovitrumis** an innovative filter material for water filtration, made up of glass particles, studied by the Barchemicals Group, which arises from research in the laboratory, from experience in the field and thanks to the collaboration with University Institutes.

Our Biovitrum comply with the **Ministerial Decree 174 of 6 April 2004** and comply with the European directive on products that come into contact with water intended for human consumption.

Therefore they can be used for the filtration of drinking and swimming pool water.

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## LINEA TITANIUM

Linea di prodotti High-Tech per superfici dure **arricchiti con Titanio fotocatalitico**. La speciale formulazione dei prodotti della linea Titanium rende le superfici trattate autopulenti e batteriostatiche.

L'utilizzo ripetuto di questi prodotti riduce e facilita le operazioni di pulizia grazie al deposito di titanio micrometrico. Le particelle fotocatalitiche che vengono depositate emettono radicali in grado di distruggere le molecole organiche e i batteri presenti sulle superfici.

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## SALI DELLA VITA

### MAGNESIUM - POTASSIUM - IODINE

The Barchemicals laboratories have created the "SALI DELLA VITA", a mix of Magnesium (Mg), Potassium (K) and Iodine (I) mineral salts and trace elements with high biological activity. Mg, K and I are elements whose benefits have been well known since ancient times.



## CHLORINE AND NO-CHLOR LINE

Even if the water is clear, it may contain pathogenic microorganisms that must be eliminated by properly using specific disinfectants expressly designed for this use.



## FLOCCULATING AGENTS

Keeping the water transparent and crystalline is easy and fast with flocculants. They eliminate all the suspended particles that the filter fails to retain.



## ALGICIDES AND BACTERICIDES

The anti-algae prevents the appearance of verdigris colouring and the formation of algae on the swimming pool's walls, steps and bottom. Our anti-algae also play a bactericide role.



## pH CORRECTORS

A water with a balanced pH level is essential for achieving perfect transparency and disinfection in order to protect our health



## WINTERISERS

Water is increasingly a rare and precious asset so it only makes sense to use products that will preserve it through to the start of the season. It is easy and cheap.



## SPECIAL PRODUCTS

Barchemicals Group has a wide range of products for solving any problem that may arise in the pool, ensuring it is always in perfect condition.



## FILTERING MATERIAL

Biovitrum is an innovative filter material for water filtration, consisting of glass particles, designed by the Barchemicals Group, which arises from research in the workplace, from experience in the field and thanks to the collaboration with University Institutes.



## MEASUREMENT

### MEASUREMENT, ANALYSIS AND CHECKING

The aid of specific measuring tools and those for carrying out quality control on the water is essential for guaranteeing perfect disinfection and transparency in the swimming pool's water.



## SURFACE CLEANSING AND TREATMENT

### DETERGENTS AND ANTIFUNGAL AGENTS

A complete line of detergents and antifungal agents to rapidly and promptly resolve problems linked to scaling and residues on the walls of the swimming pool and around the edge of the pool.

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### KEY

BO = Bottle

JR = Jar

SA = Sack

PC = Piece

BU = Bucket

DR = Drum

IBC = Tank

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# I SALI DELLA VITA

NUMBER ONE - THE ORIGINAL

makes them easier to use. The Delbet solution, well known for its ability to disinfect and regenerate the biological tissues, corresponds to a 30g/L solution of MgKI Sali della Vita liquid.



## I Sali della Vita: Everyday from the water to the air



# I SALI DELLA VITA

## NUMBER ONE THE ORIGINAL

Magnesium, Potassium and Iodine, dissolved in bathing water, penetrate the skin via osmosis, bringing about the following benefits:

- They protect even the most sensitive skins.
- They reinforce the immune system
- They provide a significant anti-stress action
- They improve sleep
- They provide cardiotoxic benefits

The Barchemicals laboratories have created the "SALI DELLA VITA", a mix of Magnesium (Mg), Potassium (K) and Iodine (I) mineral salts and trace elements with high biological activity. Mg, K and I are elements whose benefits have been well known since ancient times.

I Sali della Vita, dissolved in swimming pool and SPA water reproduce the health qualities of alkaline magnesium thermal waters.

The special formulation of I Sali della Vita both in Liquid and Granulated form (BIOSTART) prevents any drawbacks arising from the difficulty of solid salts to dissolve and

### USE AND DOSES

SPA and swimming pools with traditional disinfecting systems: concentrations of between 1000-3000 cc/m<sup>3</sup> are recommended

*SPA and swimming pools with "NO-CHLOR" disinfecting systems:* concentrations of between 1000-3000 cc/m<sup>3</sup> are recommended.

*SPA and swimming pools with disinfecting systems based on salt sterilisers:*

1st Stage: Filling the pool with fresh water. Use "the BIOSTART Sali della Vita" (granules) following the manufacturer's instructions for the equipment, (generally 5000 - 6000g/m<sup>3</sup>)

2nd Stage: Reintegrate after back washings; Use the MgKI Sali della Vita (BIOSTART liquid or granules) in the amounts foreseen.

### COMPOSITION

Mix of Magnesium Chloride, Potassium Chloride and trace elements.

The presence of an "anti-scale" factor prevents the inconveniences of salt precipitation, extends the life of the electrolytic systems and protects metal surfaces.

The presence of chlorine stabilising agents increases the potential of salt sterilisers.

## PRODUCT LINES

## I SALI DELLA VITA®

**OXYGEN NO-CHLOR LINE**

This is the premium line of Sali della Vita. It is aimed mainly at private swimming pools and SPA where the customer wishes to use natural Chlorine-free products.

- **BIOZONO Ag+ - ISDV** - Natural peroxide acid based oxidising agent.
- **BIOZONO Ag+ 12% - ISDV** - Natural peroxide acid based oxidising agent (Product not for professional use compliant with EU Regulation 98/2013)
- **ACQUA MADRE - ISDV** - bio-stabilised saturated solution.
- **BIOACID - ISDV** - Natural pH corrector with buffered and bactericide effect.
- **BIOACID SPECIAL <15% - ISDV** - Natural pH corrector with buffered and bactericide effect (Product not for professional use compliant with EU Regulation 98/2013)
- **BIOSAN - ISDV** - Bactericide and Algaecide with super concentrated, lightener effect.

**SALT STERILIZERS LINE**

These are aimed at clients who, while keeping the salt sterilisation system, wish to enjoy the benefits obtained by replacing common cooking salt with health salt.

- **BIOACID - ISDV** - Natural pH corrector with buffered and bactericide effect.
- **BIOACID SPECIAL <15% - ISDV** - Natural pH corrector with buffered and bactericide effect. (Product not for professional use compliant with EU Regulation 98/2013)
- **BIOSTART - ISDV** - Sali della Vita in granules for starting up swimming pools treated with saline electrolysis.

- **BIOSTART STAB - ISDV - NEW** - I Sali della Vita in forma granulare arricchiti di attivante, stabilizzante e antiscala per piscine trattate con elettrolisi salina

- **BIOSAN - ISDV** - Bactericide and Algaecide with super concentrated, lightener effect.

**SPA LINE**

This is the line created to allow private clients to enjoy the benefits of the Sali della Vita in their own SPA or hot tub, but also for those wishing to use emotional showers and Turkish Baths. The special formula with added natural balsamic essences enhances the beneficial and relaxation effects, as well as being boosted by the absorption of saline mist via inhalation, produced by the sprays.

- **ACQUA MADRE - ISDV** - bio-stabilised saturated solution.
- **BIOSOL - ISDV** - The Sali della Vita saturated scented solution available in various fragrances: Eucalyptus, Menthol, Algaribe and Vanilla.
- **ELISIR** - Water-soluble fragrances for swimming pool, spa, whirlpools, saunas and wellness centers
- **EASY POOL KIT** - Practical pool water treatment system in single-dose bags
- **OXYGEN KIT** - Useful for the treatment and disinfection of water simply and in complete safety based on oxygen
- **CHLORINE KIT** - Useful for the treatment and disinfection of water simply and in complete safety based on chlorine

**CHLOR LINE**

The use of "I Sali della Vita" in swimming pools for public use cannot be separated from the combined use of Chlorine as a basic disinfectant agent, as prescribed by the regulations. The beneficial, as well as bacteriostatic, characteristics

of "I Sali della Vita", allow to keep the water in hygienically optimal conditions, reducing the concentration of the necessary Chlorine and thus avoiding the undesirable effects produced by its use at high concentrations

- **QUASAR** - PMC Surgical Medical Unit nr 20121 - Calcium Hypochlorite-based disinfectant with high oxidizing power (active 65 - 70%)

- **BIOACID - ISDV** - Natural pH corrector with buffered and bactericide effect.

- **BIOACID SPECIAL <15% - ISDV** - Natural pH corrector with buffered and bactericide effect (Product not for professional use compliant with EU Regulation 98/2013)

- **BIOSAN - ISDV** - Bactericide and Algaecide with super concentrated, lightener effect.

- **ACQUA MADRE - ISDV** - bio-stabilised saturated solution.

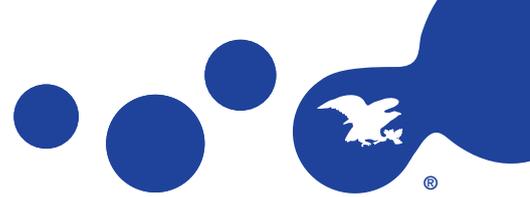
**ACCESSORY PRODUCTS**

- **BLU CLEAR** - Clarifier for swimming pools and whirlpools. It makes the water crystal clear. Eliminates oils, fats, dissolved heavy metals and any impurities. Based on completely biodegradable and non-toxic natural polymers. It prevents the formation of the black line, near the water level, which often occurs in skimmer pools.

- **BIOSHOCK - ISDV** - Specific product for shock treatments.

- **BIO-OXI - ISDV** - Special formulation based on stabilized peroxides

- **BIOSEQ - NEW** - Sequestering product with anti-limescale action



# I SALI DELLA VITA®

## PRODUCT LINES

### I SALI DELLA VITA®



**ACQUA MADRE** - Bio-stabilised saturated solution based on Mg, K, I.

Code	Description	Package	Pieces	Pallet Quantity
220621006	ACQUA MADRE - ISDV	DR 10 L	-	600 L

**BIOACID** - Natural pH corrector with buffered and bactericide effect.

Code	Description	Package	Pieces	Pallet Quantity
220616005	BIOACID - ISDV	DR 5 L	-	560 L
220616010	BIOACID - ISDV	DR 10 L	-	400 L
220616000	BIOACID - ISDV	IBC 1000 L	-	-

**BIOACID SPECIAL \*** - Natural pH corrector < 15% with buffered and bactericide effect.

Code	Description	Package	Pieces	Pallet Quantity
220616040	BIOACID SPECIAL <15% - ISDV	FU 10 L	-	400 It

(\*) Product not for professional use compliant with EU Regulation 98/2013.

**BIOZONO Ag+ ISDV**

Oxidant based on natural peroxyacids.

Bio-oxidant and sanitizer based on stabilized peroxides and trace elements for the No-Chlor pool water treatment.

It develops active oxygen and prevents algal proliferation.

Contains Ag + ions.

Special formulation that develops active oxygen and that in synergistic combination with "ACQUA MADRE - ISDV" keeps it clear and hygienically perfect your swimming pool.

The presence of Ag + ions amplifies the strong bio oxidant effect of the Peroxide of Hydrogen and maintains it over time.

**BIOZONO Ag+ ISDV**

Code	Description	Package	Pieces	Pallet Quantity
220642006	BIOZONO Ag+ - ISDV	FU 10 L	-	400 L

Product for professional use.

**BIOZONO Ag+ 12% ISDV**

Code	Description	Package	Pieces	Pallet Quantity
220642036	BIOZONO Ag+ 12% - ISDV	FU 10 L	-	400 L

Product not for professional use compliant with EU Regulation 98/2013.

**BIO-OXI**

Stabilised peroxide based special formula.

Code	Description	Package	Pieces	Pallet Quantity
010610006	BIO-OXI Liquid - ISDV	DR 10 L	-	400 L
220642026	BIO-OXI Tablet 100g - ISDV	BU 6 KG	-	300 kg
010610026	BIO-OXI Granular - ISDV	BU 10 KG	-	360 kg

# I SALI DELLA VITA®

QUASAR LINE



**Medical and Surgical Device - Ministry of Health Reg. No. 20121 and BPR (Biocides) registration in progress**

### Instructions for use

**Initial treatment:** add 10 to 15 grams of granule Quasar or tablets using a specific diluter for every cubic metre of water to be treated. Adjust the pH to between 7.2 and 7.6.

**Maintenance treatment:** measure out an amount of Quasar on a daily basis, enough to maintain the content of active free Chlorine in the pool between 0.7 and 1.5 ppm, to ensure the pool is properly disinfected.

### Perfect for

Quasar is perfect for every kind of swimming pool. Its special formula containing anti-sediment prevents the resting and precipitation of Calcium ions, so it can be used with excellent results in any kind of water. Designed specifically for perfect dilution in the dosage using DDS EVOLUTION and DDS 3000 measuring devices

### Added value

Used on a daily basis for daily maintenance and in impact treatments. It does not increase the Isocyanuric Acid in the swimming pool water. It has a high content of active Chlorine.

**Thanks to the presence of anti-scale, the use of Quasar does not require a balancing of the water in line with Langelier's index.**

**QUASAR** - Based on Calcium Hypochlorite and antiscaling agents.



**Medical and Surgical Device  
Ministry of Health Reg. No. 20121 and BPR (Biocides) registration in progress**



Mixture of calcium hypochlorite antiscaling agents and alkaline earth salts.

Code	Description	Package	Pieces/Box	Pallet Quantity
210108070	QUASAR Granular - Health Min. Reg. N. 20121	BU 10 KG	-	360 Kg
210108072	QUASAR Granular - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg

Calcium hypochlorite tablets, antiscaling agents and alkaline earth salts.

Code	Description	Package	Pieces/Box	Pallet Quantity
210108083	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BA 1 KG	12	480 Pz
210108078	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 10 KG	-	360 Kg
210108082	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg
210108050	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg

Calcium hypochlorite stick antiscaling agents and alkaline earth salts.



Code	Description	Package	Pieces/Box	Pallet Quantity
210108096	QUASAR Stick 300 g - Health Min. Reg. N. 20121	BU 5,4 KG	-	540 Kg
210108098	QUASAR Stick 300 g - Health Min. Reg. N. 20121	BU 24,9 KG	-	448,2 Kg

The stick (patented) is supplied in blister packs that act as slow dissolving dispensers to be placed directly in the skimmer basket.

## I SALI DELLA VITA®

**BIOSAN**

Prevents and fights algae.

Thanks to the synergistic action with chlorine it helps to maintain the hygiene of the pool water.

Based on polymeric quaternary ammonium salts.

Not foaming.



Code	Description	Package	Pieces	Pallet Quantity
220614005	BIOSAN - ISDV	DR 5 L	-	560 L
220614011	BIOSAN - ISDV	DR 10 L	-	600 L

**BIOSTART**

Sali della Vita in granules for starting up swimming pools treated with saline electrolysis.



Code	Description	Package	Pieces	Pallet Quantity
060102078	BIOSTART - ISDV	BU 10 KG	-	360 kg

NEW !

**BIOSTART STAB**

Mixture of mineral salts based on Magnesium, Potassium, Iodine and essential trace elements for the reconstruction of homeostatic solutions for bathing use. Contains activating, stabilizing and antiscaling agents to increase the chlorine production of the sterilizers, prolonging their stay in water. To be used in particular for the initialization phase 1 of swimming pools and spas with disinfection systems based on salt sterilizers.

Code	Description	Package	Pieces	Pallet Quantity
060102082	BIOSTART STAB - ISDV	BU 10 KG	-	360 kg

**BIOSHOCK**

Special formulation based on stabilized peroxides to perform shock treatments of swimming pool water. Ideal for pools managed with oxygen or bromine disinfection.

Code	Description	Package	Pieces	Pallet Quantity
220646004	BIOSHOCK - ISDV	BU 5 KG	-	300 kg

**BIOSOL** - The Sali della Vita saturated scented solution available in various fragrances: Eucalyptus, Algaribe, Vanilla.

Code	Description	Package	Pieces	Pallet Quantity
220619002	BIOSOL Eucalyptus - ISDV	B0 1 L	20	300 pieces
220632002	BIOSOL Vanilla - ISDV	B0 1 L	20	300 pieces
220636002	BIOSOL Algaribe - ISDV	B0 1 L	20	300 pieces



# I SALI DELLA VITA®

## I SALI DELLA VITA® THE NO CHLOR EASY POOL KIT SYSTEM

Practical swimming pool water treatment system in single-dose packets.

The EASY POOL KIT swimming pool water treatment system is completely new as far as the chemical treatment of small, private swimming pools is concerned. It is a complete disinfection and maintenance treatment of the swimming pool which is completely Chlorine-free, practical and safe. The system is made up of 4 different chemical products, each one packaged in practical single-dose colour coded packets.

The packets contained in the box guarantee the chemical treatment of a 20 cubic metre pool for two weeks use (based on requirements). The

practical calendar found inside the box avoids any kind of error when dosing the products.

### BIO-OXI

Stabilised peroxide based special formula. It guarantees the complete elimination of bacteria and organic substances found in the pool.

### BIOSAN

A mixture with a strong antibacterial and anti-algae effect, based on super concentrated natural polymers and biopolymers. It keeps your pool perfectly clean and clear.

**BIOACID** - A pH acid corrector with based on buffered inorganic acids and mineral salts. With Magnesium and Potassium. Its special balanced formula reduces the presence of organic pollutants and keeps the bacterial flora and algae under control.

**BLU DELUXE** - A very highly concentrated algaecide. It prevents and combats the algae and acts against fungi and bacteria. Its action is extensive in combating the infesting micro flora and in particular on black algae, micro algae and macro algae.



### I SALI DELLA VITA

Code	Description	Package	Pieces	Pallet Quantity
220658002	EASY POOL KIT SALI DELLA VITA Kit made up of 26 packets	Box	6	60 boxes

### SALI DELLA VITA - MONO-DOSE PACKETS

Code	Description	Package	Pieces	Pallet Quantity
220658004	MONO - BIO OXI EASY POOL KIT- 30 packets	Box	6	60 boxes
220658006	MONO - BIO ACID EASY POOL KIT - 30 packets	Box	6	60 boxes
220658010	MONO - BIOSAN EASY POOL KIT - 30 packets	Box	6	60 boxes
220658008	MONO - BLU DELUXE EASY POOL KIT - 30 packets	Box	6	60 boxes

**THE PERFECT LINE FOR YOUR SPA**

Special products for treating Spas, Hot tubs, Saunas and Wellness Centres

**BIO-OXI** - Stabilised peroxide based special formula.

Code	Description	Package	Pieces	Pallet Quantity
010610006	BIO-OXI Liquid - ISDV	DR 10 L	-	400 L
220642026	BIO-OXI Tablet 100g - ISDV	BU 6 KG	-	300 kg
010610026	BIO-OXI Granule - ISDV	BU 10 KG	-	360 kg

**BIOACID** - Natural pH corrector with buffered and bactericide effect.

Code	Description	Package	Pieces	Pallet Quantity
220616005	BIOACID - ISDV	DR 5 L	-	560 L
220616010	BIOACID - ISDV	DR 10 L	-	400 L
220616000	BIOACID - ISDV	IBC 1000 L	-	-

**BIOACID SPECIAL \*** - Natural pH corrector < 15% with buffered and bactericide effect.

Code	Description	Package	Pieces	Pallet Quantity
220616040	BIOACID SPECIAL <15% - ISDV	FU 10 L	-	400 It

(\*) Product not for professional use compliant with EU Regulation 98/2013.

**BIOSAN** - Prevents and fights algae. Thanks to the synergistic action with chlorine it helps to maintain the hygiene of the pool water. Based on polymeric quaternary ammonium salts. Not foaming.

Code	Description	Package	Pieces	Pallet Quantity
220614005	BIOSAN - ISDV	DR 5 L	-	560 L
220614011	BIOSAN - ISDV	DR 10 L	-	600 L

**BLU CLEAR** - Natural biopolymer based finer.

Code	Description	Package	Pieces	Pallet Quantity
010602001	BLU CLEAR	BO 1 L	20	300 pieces
010602007	BLU CLEAR	DR 5 L	-	560 L
010602011	BLU CLEAR	DR 10 L	-	600 L

**BIOSEQ** - Sequestering product with anti-limescale action



Code	Description	Package	Pieces	Pallet Quantity
0852005002	BIOSEQ	BO 1 LT	20	300 pz

## SPA LINE



### Water-soluble essences for SPAs and WELLNESS CENTRES

Water-soluble fragrances for the water in swimming pools, Spas, Hot tubs, Saunas and Wellness Centres

Code	Description	Package	Pieces	Pallet Quantity
220622006	ELISIR-AUSTRALIA Eucalyptus	DR 5 L	-	560 L
220624006	ELISIR-ALGARIBE Algaribe	DR 5 L	-	560 L
220626004	ELISIR-FLEUR Vanilla	DR 5 L	-	560 L
220628006	ELISIR-TROPICAL Tropical Fruits	DR 5 L	-	560 L
220632006	ELISIR-MENTHOLATED PINE Mentholated Pine	DR 5 L	-	560 L

## Mould Prevention

### MOLD STOP

Product for the prevention of mold on hard surfaces. Odorless.

Multipurpose anti-mold for surfaces with photocatalytic Titanium. The MOLD STOP spray acts on all types of surfaces. Effectively removes mold from silicone, wood, masonry, plaster, wallpaper.

All the areas in which it is used are immediately practicable and habitable, therefore the product is very suitable for use in living rooms, bedrooms, bathrooms, etc. The presence of catalytic titanium gives the product an exceptional speed of action as well as ensuring its persistence of action even after days.

Code	Description	Package	Pieces	Pallet Quantity
020208002	MOLD STOP	B0 1 L	4	300 pieces



# BARSALT SALT STERILIZER

Salt chlorinator for family pool

## Salt sterilizer with innovative bipolar electrolysis technology

**BARSALT** uses **SMART POWER® technology**, digital derivation, which allows an optimal regulation of the polarization power of the electrodes, which also have a programmable bipolar function. The technological upgrade involves extreme precision in the control of the working points of the electrodes, generating a significant reduction in the formation of calcareous residues, with a reduction of up to 95% of the activities of cleaning and maintenance of the cells, guaranteeing the latter and the electrodes themselves a longer average life.

- Adjustable production from 0 to 10 with 2 digits display
- SMART POWER® technology offering stable production
- Self-cleaning cells with adjustable polarity reverse from 3 to 9hrs upon water hardness
- Superchloration Mode (BOOST)
- Visual alarms
- Switchable securities: lack of water / low salt / cell defect
- Minimum Salt Rate: 2.5 g/l (5g/l recommended at season beginning)

## SMART POWER® technology

- Innovative Bipolar Cell with a duration of over 16,000 hours
- Small size and low weight
- Structure with anti-corrosion protection
- Up to 60% reduction in electricity consumption
- Compatible with every filtration system and pool up to 150 cubic meters.



Code	Description	Swimming Pool Volume m <sup>3</sup>	Chlorine Production - g/h
0123055008	BARSALT 150	150	32
0123194100	RCB CELLULA BARSALT 150	-	-
0123194102	RCB INVOLUCRO CELLULA BARSALT 150	-	-

## ELECTROLISYS LINE

**BIOSTART**

Sali della Vita in granules for starting up swimming pools treated with saline electrolysis.

Code	Description	Package	Pieces	Pallet Quantity
060102078	BIOSTART - ISDV	BU 10 KG	-	360 kg

NEW!

**BIOSTART STAB**

Mixture of mineral salts based on Magnesium, Potassium, Iodine and essential trace elements for the reconstruction of homeostatic solutions for bathing use. Contains activating, stabilizing and antiscaling agents to increase the chlorine production of the sterilizers, prolonging their stay in water. To be used in particular for the initialization phase 1 of swimming pools and spas with disinfection systems based on salt sterilizers

Code	Description	Package	Pieces	Pallet Quantity
060102082	BIOSTART STAB - ISDV	BU 10 KG	-	360 kg

**BLU CLEAR** - Multifunction agent with clarifying, coagulating effect for swimming pool, spa, fresh and salt water. Based on natural polymers: Chitosan. Prevents the formation of Iron and Manganese stains on PVC liners.



Code	Description	Package	Pieces	Pallet Quantity
010602001	BLU CLEAR	B0 1 L	20	300 pieces
010602007	BLU CLEAR	DR 5 L	-	560 L
010602011	BLU CLEAR	DR 10 L	-	600 L

**SEQ 06** - Blend of acids and sequestrants for DDS dosing systems. Special sequestering agent for heavy metals for swimming pools. It is an inhibitory and dispersant chemical additive by which limescale deposits caused by sodium hypochlorite on injector and dosing systems are prevented. It acts as a sequestering and dispersing agent on the calcium and magnesium ions of the water, but also on the iron and manganese ions. Suitable for very hard water rich in salts to be added before chlorination.

Code	Description	Package	Pieces	Pallet Quantity
180398013	SEQ 06 - Liquido	FU 10 LT	-	400 L

**BIOSAN** - Prevents and fights algae. Thanks to the synergistic action with chlorine it helps to maintain the hygiene of the pool water. Based on polymeric quaternary ammonium salts. Not foaming.

Code	Description	Package	Pieces	Pallet Quantity
220614005	BIOSAN - ISDV	DR 5 L	-	560 L
220614011	BIOSAN - ISDV	DR 10 L	-	600 L

**PULIDETER** - Concentrated liquid detergent with descaling and degreasing properties. Suitable for cleaning electrolytic cells.

Code	Description	Package	Pieces	Pallet Quantity
001001	PULIDETER	B0 0,750 L	12	300 pz
001010	PULIDETER	DR 10 L	-	400 L





# CHLORINE AND NO-CHLOR LINES

WATER THAT IS ALWAYS HEALTHY AND READY TO USE

# CHLORIDE AND NO-CHLOR LINES

WATER THAT IS PERMANENTLY HEALTHY AND READY TO USE

The main aim of the disinfection and water treatment is to guarantee bathers and those using the swimming pool:

- Perfectly sanitized water in order to prevent the spread of disease between bathers.
- Maximum comfort (perfectly balanced water with excellent pH).
- Clean, transparent water with pleasant organoleptic characteristics such that they do not cause reddening or irritation to the bathers.

Basically the disinfection treatment of water in swimming pools can be divided into two groups:

- Chlorine based treatments
- No-Chlor treatments

In both cases it is essential that the water filtering plant is efficient and effective, delegating to chemical treatment only the oxidation and disinfecting of those substances that are not normally retained by the filter or which are left in the pool by bathers and are not filtered in time.

## CHLORINE BASED TREATMENTS

The Chlorine disinfectant is the most commonly used product in the world for disinfecting water thanks to its following characteristics:

- Extensive action
- Low cost
- Ready availability

The basic Chlorine is a molecular gas (diatomic) uncommonly found in nature as such because it is

extremely reactive and dangerous and this is why it is almost never used any more as such for the chlorination of swimming pools but is introduced into water via its chemically derivatives that are storage stable and less dangerous.

The Chlorine derivatives can be split into two groups based on their chemical nature:

Normally the recommended level of free Chloride in swimming pools is 1ppm (1mg/L), but can be increased (1.5mg/L) for high risk swimming pools



- **Inorganic chlorine derivatives** – This group includes inorganic Chlorine Salts such as Calcium hypochlorite and Sodium hypochlorite;

- **Organic chlorine derivatives** – Derivatives of isocyanuric acid (organic substance) released in the water after these products have been used. Sodium dichloroisocyanurate (SDIC) and Trichloroisocyanuric acid (TCCA) are part of this group. Irrespective of the kind of chlorinating agent that is used, the real disinfectant in a watery environment is always Hypochlorous acid (HClO) which is generated via hydrolysis reactions of the Chlorine derivatives.



## CHLORINE LINE

### SODIUM DICHLOROISOCYANURATE (SDIC)

**The ideal product for the upkeep of open air pools.**

The SODIUM DICHLOROISOCYANURATE, more commonly known as rapid Chlorine, is used mainly for the normal maintenance of water in open air swimming pools thanks to its high stability to photolysis.

Sometimes it is used for rapid chlorine shock treatment in the absence of any other more specific products.

### TRICHLOROISOCYANURIC ACID (TCCA)

The use of TCCA as a disinfectant guarantees the correct amount of free Chlorine in the swimming pool.

Due to its limited solubility it is also known as slow Chlorine.

The presence of free Chlorine in the pool is essential for guaranteeing excellent hygienic conditions. If the Chlorine content were less than 1 ppm this could lead to a bacterial and algae attack, encouraging the formation of an unhygienic and unpleasant water.

The quantity of free Chlorine in the pool is determined by various factors such as the number of bathers, solar radiation, the temperature and atmospheric conditions as well as the effectiveness of the filtering system.

It is advisable to check the level of free Chlorine at least three times a day if you don't have an automatic plant.

### CALCIUM HYPOCHLORITE

When treating swimming pool water, the calcium hypochlorite offers several advantages:

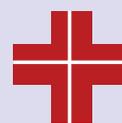
- High content of available Chlorine (20%) and established over time.
- Does not give off cyanuric acid, unlike Chloroisocyanurates that present the risk of overdosing on cyanuric acid and subsequent restriction of the Chlorine action
- With calcium hypochlorite, the pH level of the water in the swimming pool rises only marginally compared to what happens with the Sodium Hypochlorite

### NO-CHLOR SYSTEM

All those disinfection systems that do not develop Chlorine but are disinfectant chemicals and alternative oxidants are brought together under this heading:

- Treatments with a base of bromine derivatives that develop hypobromous acid (HBrO)
- Treatments with a base of oxidants that develop oxygen
- Metallic ion treatments with biological activity (Ag<sup>+</sup>; Cu<sup>++</sup>)
- Extensive action organic biocides like polyquatarnary salts.

THE FAST DICHLORINE OR CHLORINE IS IDEAL FOR THE TREATMENT OF OPEN AIR SUMMER SWIMMING POOLS.



PMC (MEDICAL AND SURGICAL DEVICE)

The Sodium dichloroisocyanurate, more commonly known as rapid Chlorine, is used mainly for the normal maintenance of water in open air swimming pools thanks to its high stability to photolysis. Sometimes it is used for rapid chlorine shock treatment in the absence of any other more specific products.

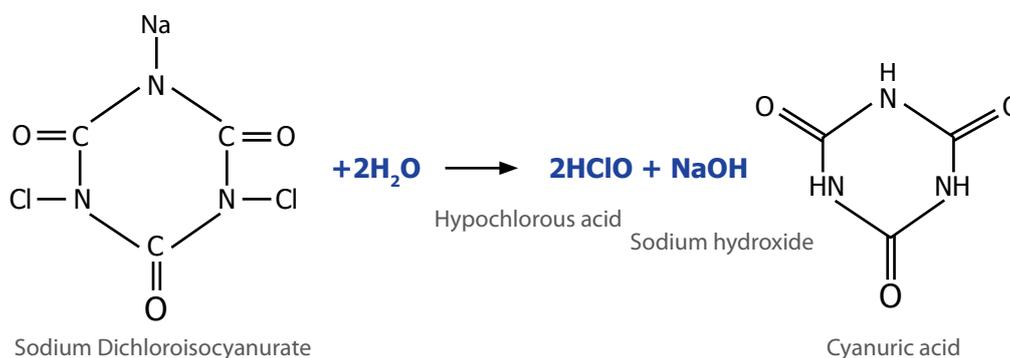
## ADVANTAGES

EASY TO HANDLE

DISSOLVES RAPIDLY

PH NEUTRAL

IT DOES NOT LOSE ITS STABILITY WHEN EXPOSED TO U.V. RAYS.



Due to the fact that the SDIC is more stable with respect to the deterioration of the sun's UV rays compared to inorganic Chloride, when the chlorination is manual, it allows the Hypochlorous acid to stay in the water for a longer period of time, ensuring proper disinfection even when the dosage system is not automatic and continuous.



## CHLORINE LINE

# BICLOR 56

**Medical and Surgical Device - Ministry of Health Reg. No. 20230**

Fast dissolving dichlorine granules, highly stabilised and with a useful 56% chlorine content, for water treatment in swimming pools. Dichloroisocyanurate granular or tablet.

### Instructions for use

The residual free Chlorine should have a level of between 0.7 and 1.5 mg/L, a level easily measurable by using the kit for analysis of the Chlorine (DPD or orthotolidene).

### Perfect for

For the treatment of every kind of open air swimming pool that is considerably exposed to the sun's rays.

### Added value

As it is easily soluble in water, the amount of residual Chlorine needed is rapidly obtained.

The free residual Chlorine obtained has greater stability when in contact with the sun's ultraviolet rays compared to other products. It does not change the water's pH.



Code	Description	Package	Pieces	Pallet Quantity
049001	BICLOR 56 Granular - Health Min. Reg. N. 20230	JR 1 KG	12	264 pieces
049005	BICLOR 56 Granular - Health Min. Reg. N. 20230	BU 5 KG	-	300 kg
049015	BICLOR 56 Granular - Health Min. Reg. N. 20230	BU 10 KG	-	360 kg
049125	BICLOR 56 Granular - Health Min. Reg. N. 20230	DR 25 KG	-	600 kg

Code	Description	Package	Pieces	Pallet Quantity
049127	BICLOR 56 Tablets 20 g - Health Min. Reg. N. 20230	JR 1 KG	12	264 pieces
049128	BICLOR 56 Tablets 20 g - Health Min. Reg. N. 20230	BU 5 KG	-	300 kg
049130	BICLOR 56 Tablets 20 g - Health Min. Reg. N. 20230	DR 25 KG	-	600 kg



PMC (MEDICAL AND SURGICAL DEVICE)

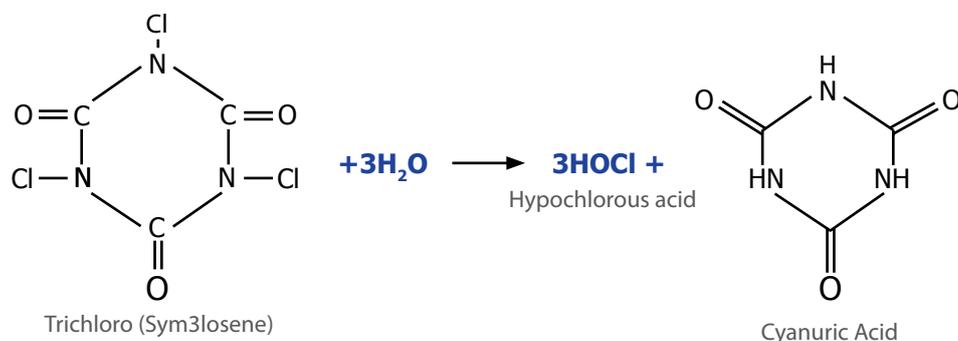
THE LOW SOLUBILITY OF THE TRICHLOROISOCYANURIC ACID / TCCA ALLOWS FOR A GRADUAL RELEASE OF CHLORINE INTO THE POOL EVEN IN THOSE SYSTEMS WHERE THERE IS NO AUTOMATIC DOSAGE.

The presence of free Chlorine in the pool is essential for maintaining proper hygienic conditions. Due to its limited solubility, it is also known as Slow Chlorine and is normally used in tablet form or directly in the skimmers or by using specific diluting systems (DDS, lambitori, etc.)



If the content of Chlorine is lower than 1 ppm, the water can be attacked by bacteria and algae, creating an unpleasant and unhygienic environment. The correct amount of product in order to have 1 ppm of Chlorine depends on a number of factors: the number of bathers, solar radiation, the temperature and atmospheric conditions in general. We recommend you check the level of free Chlorine at least 3 times a day.

Due to the fact that the TCCA is more stable with respect to the deterioration of the sun's UV rays compared to inorganic Chloride, when the chlorination is manual, it allows the Hypochlorous acid to stay in the water for a longer period of time, ensuring proper disinfection.



Choose a product that originates in Europe and reject any Chlorine of unknown or dubious origin.

European chlorine is the only one that passes all the quality standards in the process of manufacturing and efficiency and holds certification proving it protects people and the environment.

## CHLORINE LINE

TRICLOR 90 / TCCA (SIMCLOSENE) 

Slow dissolving TCCA, containing 90% of useful active Chlorine, highly stabilised, for the treatment and disinfecting of the water in the swimming pool.

**Instructions for use**

The TCCA is normally found in 20/200/500 g tablets and is measured out in water by placing the so called lambitori in the skimmer or specific containers. We recommend you keep the content of active free Chlorine between 0.7 and 1.5 ppm equivalent to an average use of between 1 and 4 g/m<sup>3</sup>/day depending on the kind of swimming pool and the number of people using it.

**Perfect for**

For every kind of swimming pool.

**Added value**

A product with a high concentration of available chlorine and a slow decomposition from the UV rays.

**TRICLOR 90/200** 

Medical and Surgical Device - Ministry of Health Reg. No. 18018

Trichloro-s-triazinetrione. Active Chlorine 89/90%. 200 g tablets. Contains no stearins and low in boric acid.



Code	Description	Package	Pieces/Box	Pallet Quantity
051001	TRICLOR 90/200 Blistered - Health Min. Reg. N. 18018	JR 1 KG	12	480 pieces
051005	TRICLOR 90/200 Blistered - Health Min. Reg. N. 18018	BU 5 KG	-	300 kg
051010	TRICLOR 90/200 Blistered - Health Min. Reg. N. 18018	BU 10 KG	-	360 kg
210104025	TRICLOR 90/200 Unblistered - Health Min. Reg. N. 18018	DR 25 KG	-	600 kg

**TRICLOR 90/20** 

Medical and Surgical Device - Ministry of Health Reg. No. 18018

Trichloro-s-triazinetrione 20 g loose tablets 90% Chlorine available. Contains no stearins and low in boric acid.



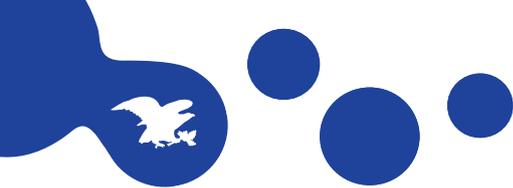
Code	Description	Package	Pieces/Box	Pallet Quantity
054030	TRICLOR 90/20 Unblistered - Health Min. Reg. N. 18018	JR 1 KG	12	264 pieces
054027	TRICLOR 90/20 Unblistered - Health Min. Reg. N. 18018	DR 25 KG	-	600 kg

**TRICLOR 90/500** 

Medical and Surgical Device - Ministry of Health Reg. No. 18018

Trichloro-s-triazinetrione 500 g blister tablets 90% available chlorine.

Code	Description	Package	Pieces/Box	Pallet Quantity
052012	TRICLOR 90/500 Blistered - Health Min. Reg. N. 18018	BU 20 PC	-	720 pieces



## MULTIFUNCTION - SIX ACTIONS IN ONE TABLETS

Multi Action tablets (Chlorine, Flocculant, prevents and fights algae, coagulant, stabilizer and pH-). Slowly dissolving chlorinating agent, with flocculant and anti-algae. The product is suitable for manual introduction into skimmers or through special floating dosers. Particularly suitable for private swimming pools



### Instructions for use

**Initial treatment:** add 15g of granule dichlorine per m<sup>3</sup> of water. After 2 hours, regulate the levels of pH in the water so that they fall between 7.2 and 7.6 using pH+ or pH-.

**Maintenance treatment:** when the levels of pH in the water are regulated, add 1 tablet of MULTIFUNZIONE P. 200 g per 20 m<sup>3</sup> of water every 7 days. Repeat the initial treatment (over chlorination) each time the water is visibly less transparent.

### Added value

The action of the chlorinated disinfectant, the flocculant and anti-algae in a single product. It has a dynamic and efficient effect, instantly improving the water's properties. Furthermore, it exercises a stabilising action on the Chlorine.

### Perfect for

Particularly suited to small, private swimming pools.

### MULTIFUNCTION Tablets

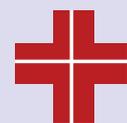
Code	Description	Package	Pieces/Box	Pallet Quantity
163006002	MULTIFUNCTION 200 g Tablets	JR 1 KG	12	264 pieces
163006004	MULTIFUNCTION 200 g Tablets	BU 5 KG	-	300 kg
163006006	MULTIFUNCTION 200 g Tablets	BU 10 KG	-	360 kg
163006008	MULTIFUNCTION 200 g Tablets	DR 25 KG	-	600 kg

Code	Description	Package	Pieces/Box	Pallet Quantity
163006022	MULTIFUNCTION 20 g Tablets	JR 1 KG	12	264 pieces



## CHLORINE LINE

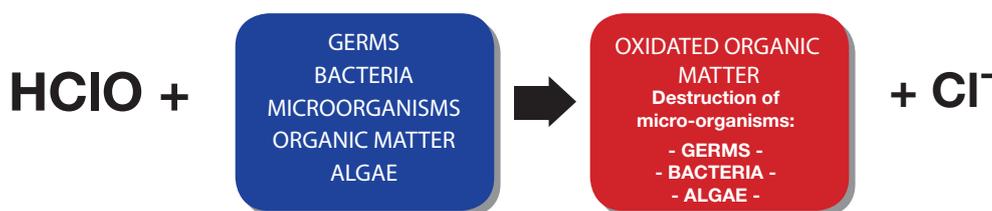
CALCIUM HYPOCHLORITE IS THE WORLD'S NUMBER ONE DISINFECTANT FOR THE TREATMENT OF SWIMMING POOLS AND DRINKING WATER.



PMC (MEDICAL AND SURGICAL DEVICE)

ECHA BPR (BIOCIDES)  
EUROPEAN CHEMICALS AGENCY

Calcium Hypochlorite is an excellent disinfectant with a powerful oxidant ability. It is cheap and is a disinfectant that has been used for years to disinfect water.



The Calcium Hypochlorite does not contain isocyanuric acid so it does not increase its level in the swimming pool's water after taking effect. For swimming pools that are particularly exposed to the sun we recommend the use of the ACTIV R 2001 stabilising activator.

For indoor swimming pools, the consumption is the same as that of an organic chlorine, but the quality of the water is significantly better thanks to a higher Redox potential for the same free chlorine and pH values.

QUASAR LINE

Medical and Surgical Device - Ministry of Health Reg. No. 20121  
and BPR (Biocides) registration in progress

High purity calcium hypochlorite with an active chlorine content available between 65/70%



### Instructions for use

**Initial treatment:** add 10 to 15 grams of granule Quasar or tablets using a specific diluter for every cubic metre of water to be treated. Adjust the pH to between 7.2 and 7.6.

**Maintenance treatment:** measure out an amount of Quasar on a daily basis, enough to maintain the content of active free Chlorine in the pool between 0.7 and 1.5 ppm, to ensure the pool is properly disinfected.

### Perfect for

Quasar is perfect for every kind of swimming pool. Its special formula containing anti-sediment prevents the resting and precipitation of Calcium ions, so it can be used with excellent results in any kind of water. Designed specifically for perfect dilution in the dosage using DDS EVOLUTION and DDS 3000 measuring devices

### Added value

Used on a daily basis for daily maintenance and in impact treatments. It does not increase the Isocyanuric Acid in the swimming pool water. It has a high content of active Chlorine.

**Thanks to the presence of anti-scale, the use of Quasar does not require a balancing of the water in line with Langelier's index.**

## CHLORINE LINE



## QUASAR

High purity calcium hypochlorite with an active chlorine content available between 65/70%

Code	Description	Package	Pieces/Box	Pallet Quantity
210108070	Granule QUASAR - Health Min. Reg. N. 20121	BU 10 KG	-	360 Kg
210108072	Granule QUASAR - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg

High purity calcium hypochlorite with an active chlorine content available between 65/70%

Code	Description	Package	Pieces/Box	Pallet Quantity
210108083	QUASAR tablets 7 g - Health Min. Reg. N. 20121	JR 1 KG	12	264 pieces
210108077	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 5 KG	-	300 Kg
210108078	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 10 KG	-	360 Kg
210108082	QUASAR tablets 7 g - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg
210108050	QUASAR tablets 10 g - Health Min. Reg. N. 20121	BU 25 KG	-	450 Kg

High purity calcium hypochlorite with an active chlorine content available between 65/70%

Code	Description	Package	Pieces/Box	Pallet Quantity
210108096	QUASAR Stick 300 g - Health Min. Reg. N. 20121	BU 5,4 KG	-	540 Kg
210108098	QUASAR Stick 300 g - Health Min. Reg. N. 20121	BU 24,9 KG	-	448,2 Kg

Lo stick (brevettato) è fornito in blister che funge da dosatore a lenta dissoluzione da mettere direttamente nel cestello dello skimmer.

## BIOQUARK

Medical and Surgical Device - Ministry of Health Reg. No. 20149 and BPR (Biocides) registration in progress

Calcio Ipoclorito additivato con I Sali della Vita e agenti antiscale

Code	Description	Package	Pieces/Box	Pallet Quantity
220648014	BIOQUARK tablet 20 g - Health Min. Reg. N. 20149	BU 10 KG	-	360 kg



Granular



Stick - **NEW!**



Tablets

## CHLORINE LINE

## HTH LINE

Calcium hypochlorite disinfection



**BPR (Biocides) registration in progress**

**PULSAR PLUS TABLET**- Calcium Hypochlorite mixed with an additive in 7 g tablets. Oxidant biocide for the chlorination of the water in swimming pools and drinking water. Recommended for the dosage via DDS EVOLUTION or DDS 3000 measuring devices.

### Instructions for use

**Initial treatment:** add 10 to 15 grams of Pulsar granules or tablets using a specific diluter for every cubic metre of water to be treated. Adjust the pH to between 7.2 and 7.6.

**Maintenance treatment:** measure out an amount of Pulsar on a daily basis, enough to maintain the content of active free Chlorine in the pool between 0.7 and 1.5 ppm, to ensure the pool is properly disinfected.

### Perfect for

Pulsar is perfect for every kind of swimming pool. Its special formula containing anti-sediment prevents the resting and precipitation of Calcium ions, so it can be used with excellent results in any kind of water. Designed specifically for perfect dilution in the dosage using DDS EVOLUTION and DDS 3000 measuring devices.

### Added value

Used on a daily basis for daily maintenance and in impact treatments. It does not increase the Isocyanuric Acid in the swimming pool water. It has a high content of active Chlorine. Thanks to the presence of anti-scale, the use of Pulsar does not require a balancing of the water in line with Langelier's index.

Code	Description	Package	Pieces/Box	Pallet Quantity
210108024	PULSAR PLUS TABLET tablets 7 g	BU 20 KG	-	480 kg

The Calcium Hypochlorite HTH not only has a disinfecting ability greater than Chlorine, but is completely free of isocyanuric acid (stabiliser) and allows for the change of water in the swimming pool to be reduced to a minimum.

Thanks to its characteristics, the calcium hypochlorite is used in the treatment of drinking water so it can be considered an extremely safe and reliable product.

The stick (patented) comes in a blister pack that doubles as a slow dissolving measuring devices to put straight into the skimmer basket.



### HTH LINE

Code	Description	Package	Pieces/Box	Pallet Quantity
500204002	HTH Stick 300G. Hypochlorite Calcium. Active Chlorine 69-70%.	BU 4.5 KG	4	360 kg
500204004	HTH Stick 300G. Hypochlorite Calcium. Active Chlorine 69-70%.	DR 45 KG	-	810 kg

### HTH LINE

Code	Description	Package	Pieces/Box	Pallet Quantity
500206002	HTH impact. Hypochlorite Calcium. Active Chlorine 80%	BO 2 KG	9	486 kg

## CHLORINE LINE



**PMC (PRESIDIO MEDICO  
CHIRURGICO)**

**BIOCHLOR**



**ECHA**  
EUROPEAN CHEMICALS AGENCY

**Medical and Surgical Device - Ministry of Health Reg. No. 19916  
and BPR (Biocides) registration in progress**



**Perfect for**

Disinfection of the surfaces or piping water systems used for the production, distribution, transport, conservation and consumption of food, animal fodder and drinks to prevent contamination from the positive Gram and negative Gram bacteria including Legionella spp.

Chlorine covering of hot domestic water and cooling tower circuits.

Biochlor is a concentrated disinfecting solution titrated in free Chlorine, destined for the disinfection of positive Gram and negative Gram bacteria including Legionella spp. in domestic water circuits, cooling towers and the food industry, animal fodder, agricultural animal husbandry and surfaces.

Code	Description	Package	Pieces/Box	Pallet Quantity
860202004	BIOCHLOR - Health Min. Reg. No. 19916	BO 250 ML	10	650 pieces
860202015	BIOCHLOR - Health Min. Reg. No. 19916	BO 1 L	20	300 pieces
860202017	BIOCHLOR - Health Min. Reg. No. 19916	DR 10 L	-	400 L



## CHLORINE LINE



### OXICLOR 10 EVOLUTION

**BPR (Biocides) registration in progress**

Liquid oxidising agent with a base of stabilised Chlorine oxides. Perfect for impact treatments in the pool. With anti-scale agent. Following on from the treatment, there is no need for long periods of de-Chlorination. Thanks to its special formula, deposits do not form in the injection points of the feed pumps.



Code	Description	Package	Pieces/Box	Pallet Quantity
010606006	OXICLOR 10 EVOLUTION Liquid	DR 10 L	-	400 L

### IPOCLOR 30 LIQUID CHLORINE



**BPR (Biocides) registration in progress**

Liquid sodium hypochlorite Liquid product suitable for disinfecting water in swimming pools and spas, industrial waters etc.



**Instructions for use**

**Initial treatment:** add 1 l of product per 10 m<sup>3</sup> of water or 150 g of granular dichloro (BICLOR 56) per 10 m<sup>3</sup> of water. After 2 hours, adjust the pH of the water to have a value between 7.0 and 7.4.

The initial treatment (superchlorination) must be repeated every time you notice that the water is less transparent. Inject the product by means of a metering pump. The filtration device must be in operation.

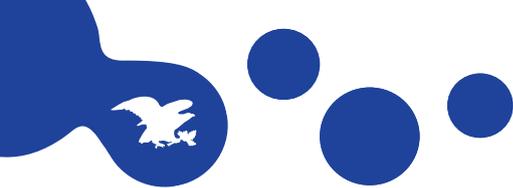
**Added value**

The presence of an effective anti-scale prevents the formation of powerful scalings at the point of injection

**IPOCLOR 30** - Stabilised sodium hypochlorite. Active Chlorine 14-16% (per pack).

Code	Description	Package	Pieces/Box	Pallet Quantity
054011	IPOCLOR 30 - Liquid sodium hypochlorite	DR 10 L	-	400 L
054000	IPOCLOR 30 - Liquid sodium hypochlorite	TANK 1.000 L*	-	-

\* For Ipoclor 30 in a Tank, a contribution to costs is calculated on an individual case basis according to distance and inconvenience in delivering.



**SPECIAL PRODUCTS**



**ACTIV R 2001** - Activator and stabiliser for Calcium Hypochlorite.

Code	Description	Package	Pieces/Box	Pallet Quantity
220604010	ACTIV R 2001 - Activator and Stabiliser	BU 10 KG	-	360 kg



**PULSAR CLEANER**

Specific descaler for removing scalings in the automatic dosing system of DDS LINE measuring devices. Neutralizes the chlorine vapors that develop during cleaning operations.

Code	Description	Package	Pieces/Box	Pallet Quantity
220504011	PULSAR CLEANER	DR 10 L	-	600 L

**RAPID WATER TREATMENT HANDBOOK:  
Use of Chlorinating Agents**

	<b>BICLOR 63</b> Sodium dichloroisocyanurate 63%. Granule chlorine. Health Ministry of Reg.	<b>TRICLOR 90/200</b> BICLOR 63 Trichloroisocyanuric 90% Chlorine tablets. Health Ministry of Reg.	<b>OXICLOR 10 EVOLUTION</b> Stabilised Chlorine Dioxide. Liquid.
What it is used for	For the daily chlorination of swimming pools.	For the daily chlorination of swimming pools.	For impact treatment to be carried out if a break point treatment is required.
How to use it	Either manually directly into the skimmer or 5% diluted with feeder pumps or DDS measuring device. G	Keep a 200 g tablet in the skimmer.	Pour directly into the pool.
Measurements	2-3 g per day per cubic metre of water depending on the organic load.	1 tablet every 30 cubic metres of water.	50-100 g / m <sup>3</sup>
When to apply	Every day	Daily	In the event of a bacteriological problem or when there is a high concentration of combined Chlorine.
Precautions when using	Do not mix with acid products (EXPO pH NEW BLU) or with other kinds of Chlorine	Do not mix with acid products (EXPO pH NEW BLU) or with other kinds of Chlorine	Do not mix with acid products (EXPO pH NEW BLU) or with other kinds of Chlorine



## NO-CHLOR LINE

The Barchemicals Laboratories have developed a revolutionary system that is simple and effective to use, for the treatment of swimming pool water with no Chlorine and with an Active Oxygen base. In a single product, BAR-O-DUE Ag+, we have simultaneously a powerful nascent oxygen based oxidant, a powerful, long chain polyquaternary ammonia salt based biocide and Silver Nanoparticle which, thanks to a powerful germicide and bacteriostatic agent, strengthen the product's efficiency to its maximum potential.

The BAR-O-DUE Ag+ buffered pH stabilises the level of pH in your swimming pool, reducing the consumption of acid. All that is needed is an initial impact treatment with BAR-O-DUE Ag+ and BARCIL PLUS and low daily doses to keep the water in your swimming pool clean and clear throughout the season.

## Initial dose

Indoor Pools:

Initial dose: Add 0.5-1 L of BIOZONO Ag+ ISDV or 1.5-3 L of BIOZONO Ag+ 12% ISDV.

0.5 L of BIOSAN, for every 10 m<sup>3</sup> of water.

Outdoor Pools:

Initial dose: Add 1 L of BIOZONO Ag+ ISDV or 3 L of BIOZONO Ag+ 12% ISDV.

1 L of BIOSAN, for every 10 m<sup>3</sup> of water.

## Maintenance doses

Maintenance doses: to keep the level of Oxygen active in the Tank between 10 and 20 ppm with temperatures lower than 25°C.

Bring the level to 30 ppm when the temperature exceed 25°C. Dose 1 L of BIOSAN for every 10m<sup>3</sup> of water, on a monthly basis.

## BIOZONO Ag+ ISDV

Oxidant based on natural peroxyacids. Bio-oxidant and sanitizer based on stabilized peroxides and trace elements for the No-Chlor pool water treatment. It develops active oxygen and prevents algal proliferation. Contains Ag + ions. Special formulation that develops active oxygen and that in synergistic combination with "ACQUA MADRE - ISDV" keeps it clear and hygienically perfect your swimming pool. The presence of Ag + ions amplifies the strong bio oxidant effect of the Peroxide of Hydrogen and maintains it over time.



Code	Description	Package	Pieces	Pallet Quantity
220642006	BIOZONO Ag+ - ISDV	FU 10 L	-	400 L

Product not for professional use.

## BIOZONO Ag+ 12% ISDV

Code	Description	Package	Pieces	Pallet Quantity
220642036	BIOZONO Ag+ 12% - ISDV	FU 10 L	-	400 L

Product not for professional use compliant with EU Regulation 98/2013.

## BIOSAN

Formulated based on Polyquaternary Biocides which combine a powerful disinfectant action with an effective algacide action. For swimming pools of any size. It does not require the use of special precautions in the transition from the traditional system to the No-Chlor system and vice versa. Effective and safe, it makes the water crystal clear.



Code	Description	Package	Pieces	Pallet Quantity
220614005	BIOSAN - ISDV	DR 5 L	-	560 L
220614011	BIOSAN - ISDV	DR 10 L	-	600 L

## NO-CHLOR LINE

### BIO OXI LINE

Oxidizing agent ideal for water hygiene in swimming pools and whirlpools.  
Develop active oxygen.



#### Consigli d'uso

Initial dose: Add five tablets of BIO OXI TABLET 100 g every 10 m to the skimmer<sup>3</sup> of water.

Maintenance dose: add 2 tablets of BIO OXI TABLET 100 g inside the skimmer, for 10 m<sup>3</sup> of water, once a week.

Initial dose: Add 10 to 50 g of BIO-OXI Granular to the tank for each m<sup>3</sup> of water to be treated.

Maintenance dose: 20 g of BIO-OXI Granular for each m<sup>3</sup> of water once a week

#### Ideale per

Swimming pools where bathers have a particular hypersensitivity to chlorine.

#### Valore aggiunto

No chlorine smell, crystal clear water. It does not develop chlorine amines.

**BIO-OXI** - Stabilised peroxide based special formula.

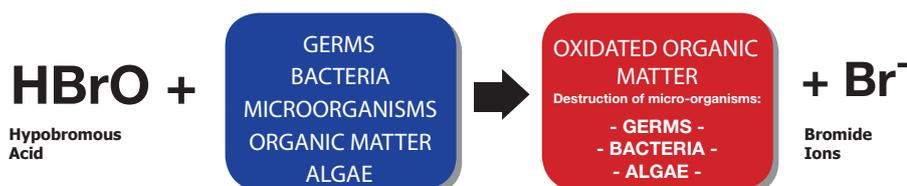
Code	Description	Package	Pieces	Pallet Quantity
010610006	BIO-OXI Liquid - ISDV	DR 10 L	-	400 L
220642026	BIO-OXI Tablet 100 g - ISDV	BU 6 KG	-	300 kg
010610026	BIO-OXI Granular - ISDV	BU 10 KG	-	360 kg



## BROMINE

Bromine is a powerful oxidant, ideal for disinfecting the water in the pool with the same effectiveness as Chlorine.

Unlike Chlorine it does not have an unpleasant smell and does not irritate the mucosa and is much more tolerant of temperature increases and pH variations. It is, therefore, suitable for covered swimming pools with heat pumps and spas.



Hypobromous acid (HBrO) reacts by forming bromoamine. Unlike chloramine, bromoamine are disinfecting and work in a similar way to hypobromous acid. The hypobromous acid gets on with its sanitising action and in turn transforms into bromide ions

### ADVANTAGES

**POWERFUL OXIDANT POWER. SIGNIFICANT TOLERANCE TO pH (UP TO 7.5) EVEN IN THE PRESENCE OF NITROGEN COMPOUNDS IT DOES NOT LOSE ITS EFFECTIVENESS. EYES AND MUCOSA ARE LESS IRRITATED. IT DOES NOT GIVE OFF AN UNPLEASANT SMELL. IT IS LESS CORROSIVE THAN Chlorine (LESS VOLATIVE, ESPECIALLY AT HIGH TEMPERATURES). EASY TO MAINTAIN.**

## BROMOFINA LINE

20g slow dissolving Bromine tablets, for continuous disinfecting of swimming pools and spas. Bromine is a powerful oxidant, that disinfects the water in the pool with the same effectiveness as Chlorine.

#### Instructions for use

Once the pH level is correct, fill up the measuring device and regulate it to obtain the level of residual Bromine required.

The recommended levels of residual Bromine are as follows:

- Private Swimming pools 1.0 - 3.0 ppm
- Private Spa 2.0 - 4.0 ppm
- Public Spa 4.0 - 6.0 ppm

This level can easily be measured making use of the kit to analyse the Bromine and pH.

#### Perfect for

For covered swimming pools and private spa.

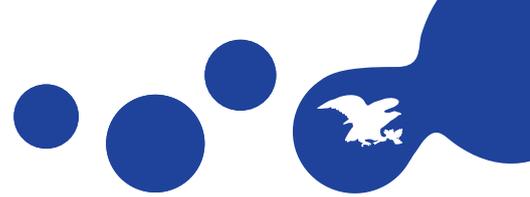
#### Added value

It does not give off an unpleasant smell nor does it irritate the mucosa and is more stable when the temperature increases and the pH is greater than 7.2.

**BROMOFINA** - Solid oxidant in tablet form for swimming pools and spas.

Code	Description	Package	Pieces/Box	Pallet Quantity
0121056047	BROMOFINA - 20 g Oxidant in tablet form	JR 1 KG	12	264 pieces
01010203	BROMOFINA - 20 g Oxidant in tablet form	BU 5 KG	-	300 Kg

# PRIVATE SWIMMING POOL KIT



NEW !

## TREATMENT KIT PRIVATE SWIMMING POOLS

The Barchemicals laboratories have studied a Kit for rapid intervention aimed at those clients who, after purchasing a small swimming pool or above ground swimming pool, want to be sure that the treatment and disinfection of the water is easy and completely safe.

This is why two kits were designed, one based on the use of chlorine and one based on the use of oxygen.

- **CHLORINE KIT**
- **OXYGEN BIOZONO Ag+ 12% KIT**



Code	Description
220658100	<p><b>PRIVATE SWIMMING POOL CHLORINE KIT:</b></p> <ul style="list-style-type: none"> <li>• 1 EXPO pH SUPER POWDER - BA 1,5 KG</li> <li>• 1 MULTIPURPOSE - Tablets 200 g - BA 1 KG</li> <li>• 2 EXPOSAN C 91 - BO 0,5 L</li> </ul>
220658106	<p><b>PRIVATE SWIMMING POOL OXYGEN KIT - BIOZONO AG+ 12%:</b></p> <ul style="list-style-type: none"> <li>• 3 BIOZONO Ag+ 12% - I SALI DELLA VITA BO 0,5 L</li> <li>• 1 EXPO pH SUPER POWDER - BA 1,5 KG</li> <li>• 1 BIOSAN - SALI DELLA VITA - BO 0,5 L</li> </ul>



# FLOCCULATING AGENTS

## FLOCCULATING AGENTS

Often the use of disinfecting products is not enough to produce transparent, crystalline water. The use of Flocculants, encourages and makes the filtering process easier, making very small particles filterable, which would normally not be. This way, the use of the Flocculant helps to make the water crystalline, transparent and shiny.

The water in the swimming pool regularly loses its transparency and appears turbid as a result of:

- Presence of algae and bacteria.
- Precipitation of Calcium and Magnesium salts.
- Dust carried through the air or by bathers.
- Oxidisation of Iron and Manganese salts.
- Organic and colloidal substances

In most of the cases expressed, the particles inserted in the water are extremely small or in solution (colloidal) and do not become sufficiently large to be treated by the filtering system. The Flocculants improve the capacity of the particles to join together and form larger, more filterable groups. The colloids normally tend to reject each other due to the electrostatic loads found on their surfaces.

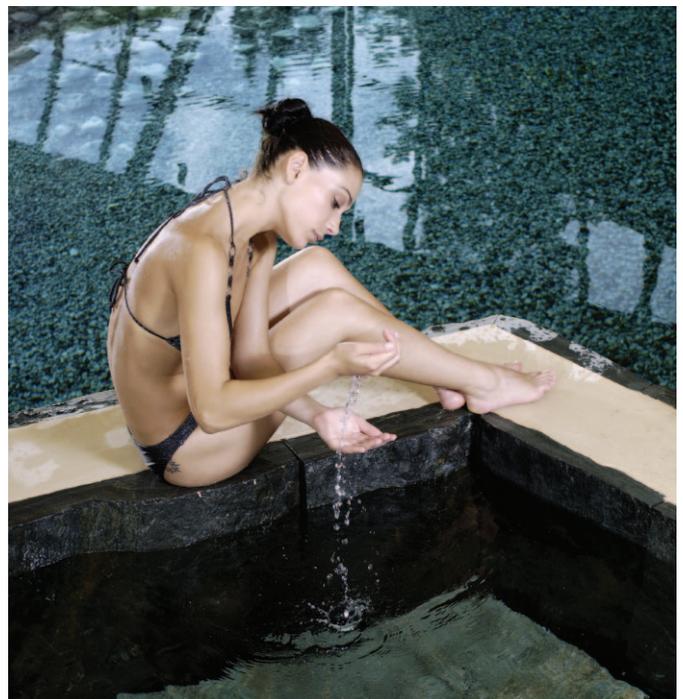
The Flocculants neutralise these loads allowing for the formation of groups that can be treated by the filter.

The Flocculants can be split into two categories:

- **ORGANIC** – these are made up of polymeric molecules that act as coagulants. Ideal for rapid filters and slow filters
- **INORGANIC** – these are made up of transition metal hydrosoluble Salts. Perfect for slow filters.

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A complete line of products to resolve the problem of water turbidity



### HOW THE FLOCCULANT IS USED

#### By injecting it into the recirculation line

Using a feed pump, inject 0.5ml of Flocculant for each cubic meter of the recirculation flow, prior to the filter entrance or in the compensation pool.

#### In the Skimmer

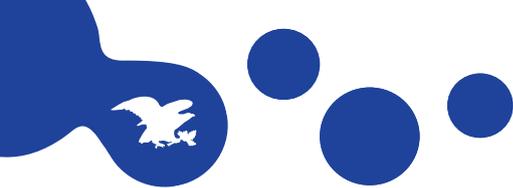
Put the amount of Flocculant in tablet form needed directly into the skimmer (from 1 to 3 tablets every 100 cubic metres) or liquid (0.5 L/1 mL /m<sup>3</sup>).

Flocculants are not used for diatom, sock or cartridge filters, while they are suitable for sand and glass filters.

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Direct use of flocculants in the pool is not recommended!

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## FLOCCULATING AGENTS

## F L O C S U P E R

Inorganic polyelectrolyte liquid flocculant to eliminate Iron and Manganese and colloids from the water. For quartz sand filters, glass sand and Vitro Sphere Nano; particularly suited to "slow" filtering systems.



## Instructions for use

Inject into the piping using a suitable feed pump. Do not use this product in swimming pools fitted with diatom or cartridge filtering devices.

## Perfect for

Swimming pools with slow filters.

## Added value

Effective in waters that are highly turbid. It improves the bacteriological quality of the water and, therefore reduces the consumption of the products used for disinfecting.

## FLOC SUPER

Code	Description	Package	Pieces/Box	Pallet Quantity
064011	FLOC SUPER - Liquid	DR 10 L	-	400 L

## F L O C S U P E R P E

Organic polyelectrolyte liquid flocculant to eliminate Iron and Manganese and colloids from the water. For quartz sand filters, crushed glass and Vitro Sphere Nano; suited to both slow and fast filtering systems.



## Instructions for use

Inject into the piping using a suitable feed pump. Do not use this product in swimming pools fitted with diatom or cartridge filtering devices.

## Perfect for

Swimming pools with slow and fast filters.

## Added value

Effective in waters that are highly turbid. It improves the bacteriological quality of the water and, therefore reduces the consumption of the products used for disinfecting.

## FLOC SUPER PE

Code	Description	Package	Pieces/Box	Pallet Quantity
065001	FLOC SUPER PE - Liquid	BO 1 L	20	300 pieces
065011	FLOC SUPER PE - Liquid	DR 10 L	-	600 L

## FLOCCULATING AGENTS

### FLOCCULANT TABLETS

Special, slow dissolving flocculant tablets. The formulation of large flakes allows for the elimination of all organic polluting substances in a swimming pool's water. Made up of Inorganic and organic flocculants.

#### Instructions for use

Insert the tablets needed into the skimmer baskets after washing the filtering device.

For 10 to 50 m<sup>3</sup> pools: 1 tablet every 10 days.

For 50 to 100 m<sup>3</sup> pools: 2 tablet every 10 days.

For 100 to 150 m<sup>3</sup> pools: 3 tablet every 10 days.

#### Perfect for

Swimming pools with slow filters when the aim is to achieve a powerful flocculant effect on the filter.

#### Added value

The Flocculant tablets form a floccule in the water at the entrance to the filter. These floccules settle on the surfaces of the filtering mass, holding back all the particles in suspension that are in the swimming pool water.

### FLOCCULANT TABLETS

Code	Description	Package	Pieces/Box	Pallet Quantity
212006015	FLOC SUPER TABLET 100 g tablets	BU 5 KG	-	300 kg
212006024	FLOC SUPER FELT - 1 kg Jar	JR 1 KG	12	264 pieces



### FLOC SUPER POWDER

Code	Description	Package	Pieces/Box	Pallet Quantity
067010	FLOC SUPER Powder	BU 10 KG	-	360 kg

These doses are indicative and can be changed according to the characteristics of one's own swimming pool.

We recommend you introduce the chemical product in the evening and always in the absence of bathers.

The water in the swimming pool loses its transparency on a regular basis due to the presence of algae, precipitations of Calcium and Magnesium salts, dust, oxidation of Iron and Manganese etc. Due to the presence of these particles in water, often too small to be held back by the filter, it is essential to use a flocculant. The aim of the flocculant is to encourage the grouping together of scattered particles, allowing for an effective filtering that will make the water transparent again.



# ALGICIDES AND BACTERICIDES

# ALGICIDES AND BACTERICIDES

The use of anti-algae prevents the formation of algae on the walls and bottom of the swimming pool thus hindering the re-appearance of verdigris, bluish and black colouring depending on the kind of algae.

The algae is the most commonly found problem in swimming pool water as well as being the most visibly evident. The algae themselves do not normally represent any health risk but during reproduction they release waste that becomes a source of nourishment for unwanted, harmful bacteria and other micro-organisms, thus encouraging their proliferation.

## WHAT ALGAE ARE

The algae are autotrophic vegetable organisms whose spores can also be carried through the air.

The autotrophics grow thanks to mineral salts such as phosphates and carbon dioxide and light; via photosynthesis, they summarize the carbohydrates (organic matter) and release oxygen.

There are more than 20,000 species of algae, only some of them can be found in swimming pool water. As soon as the level of disinfectant drops too low, the algae start to take a foothold and multiply. All that is needed is an few hours on a hot day for a problem of algae to develop via the spores already found in them.

### Green algae

These are the most common types of algae and can float or attach themselves to the swimming pool walls. They grow quickly and can make the swimming pool turbid within 24 hours. It is essential to dose the high concentration Chlorine (30/40 ppm) and the anti-algae in doses greater than 10 ppm, in order to eliminate them. In these cases use **EXPOSAN C91**.

### Yellow algae

These generally appear in shaded areas of the swimming pool under the form of yellowish marks. Once they have settled, they can resist up to 3-5 ppm of free Chlorine. They can, however, be easily eliminated thanks to the use of our **EXPOSAN RB1**.

### Black algae

They form dark marks or black dots that are from

1 to 3 cm in diameter and firmly attach to the surfaces of the swimming pool. They grow slowly and are extremely resistant to Chlorine, but can be eliminated and prevented by combining the use of our **BLU DELUXE** with the chlorination.

The algae themselves do not represent any health risk but during reproduction they release substances that become a source of nourishment for unwanted, harmful bacteria and other micro-organisms.



## SYNERGIC ACTION

The combined action of Chlorine and algaecide has a greater anti-algae effect than if these products were used individually, in the same concentration.

The anti-algae split into two categories: specific algaecides and germicide algaecides that help the disinfecting product to be effective against the bacteria and other pathogens.

All our algaecides are characterised by not being foaming and therefore show no contraindications in any kind of pool. All our anti-algae products can be used even with cartridge or diatom filters.

## INSTRUCTIONS FOR USE

Prior to filling up the swimming pool and after cleaning the walls of the pool properly with specific detergent products, we recommend you pass a concentrated anti-algae bactericide (EXPOSAN RB1) on the pool walls. After this, the pool can be filled up with the super-chlorination and addition of another anti-algae in order to meet the recommended dose. The use of EXPOSAN C91, TOP GUN and BLU DELUXE directly on fibreglass or liner walls is not recommended. In these cases use EXPOSAN RB1.

## ALGICIDES AND BACTERICIDES

## EXPOSAN C91

Non-foaming, extensive action lightener and optical brightener algicides. It prevents and combats the algae and acts against fungi and bacteria. DO NOT USE DIRECTLY ON THE WALLS OF THE SWIMMING POOL.



## Instructions for use

When the swimming pool is put into use, add 5l of anti-algae product directly into the pool. Or when the algae appears, add 10 litres of the product. Next, add 2 L of product per 100 m<sup>3</sup> of water once a week.

## Added value

Highly effective against the proliferation of algae.

## Perfect for

For every kind of swimming pool.

## EXPOSAN C91

Code	Description	Package	Pieces/Box	Pallet Quantity
071001	EXPOSAN C91 - Liquid	BO 1 L	20	300 pieces
071006	EXPOSAN C91 - Liquid	DR 5 L	-	560 L
071012	EXPOSAN C91 - Liquid	DR 10 L	-	600 L

## EXPOSAN RB1

Extensive action, non-foaming anti-algae, active even against black algae, bacteria and fungi. It has a lightener and coagulant effect. It should also be used on swimming pool walls prior to filling it, as a form of prevention. It is polyquaternary ammonia salt based. It does not stain.



## EXPOSAN RB1

Code	Description	Package	Pieces/Box	Pallet Quantity
068011	EXPOSAN RB1 - Liquid	DR 10 L	-	600 L

## TOP GUN

Multi-action, non-foaming biocide action algicides:

- Algaecides
- Biocide
- Limescale and flocculant.

It coagulates the organic matter making it easy for it to stay on the filters. It prevents limescale deposits and rust marks. It prevents and combats the formation of algae, even the most resistant kinds. Thanks to its biocide action efficiency, it synergically helps the Chlorine to keep the water in the swimming pool disinfected which means a low Chlorine concentration, 0.8-1 ppm can be used.



## TOP GUN

Code	Description	Package	Pieces/Box	Pallet Quantity
160239001	TOP GUN - Liquid	BO 1 L	20	300 L
160239006	TOP GUN - Liquid	DR 5 L	-	560 L
160239011	TOP GUN - Liquid	DR 10 L	-	600 L

## ALGICIDES AND BACTERICIDES

### BLU DELUXE

Exceptionally high concentration anti-algae, particularly suited to very deep, summer swimming pools and against very aggressive forms of algae. Recommended in combination with OXICLOR 10 EVOLUTION for impact treatment. It is non-foaming with an optical brightener, lightener effect.

DO NOT USE DIRECTLY ON THE WALLS OF THE SWIMMING POOL.



#### BLU DELUXE

Code	Description	Package	Pieces/Box	Pallet Quantity
071S05	BLU DELUXE - Liquid	DR 5 LT	-	560 L
071S11	BLU DELUXE - Liquid	DR 10 L	-	600 L

### RAPID WATER TREATMENT HANDBOOK: Use anti-algae

	<b>EXPOSAN C91</b> Non-foaming algaecide with lightener and optical brightener effect.	<b>EXPOSAN RB1</b> Polyquaternary based bactericide algaecide. Registration in progress.	<b>TOP GUN</b> Five action non-foaming anti-algae.
What it is used for	It prevents and combats the formation of algae.	It prevents and combats the formation of algae. It helps the Chlorine in its disinfectant action.	It prevents the formation of algae and helps the Chlorine to keep the water clean.
How to use it	Manually and directly in the pool.	Manually and directly in the pool.	Manually and directly in the pool.
Measurements	Initial treatment 50-100 g/m <sup>3</sup> . Maintenance 20-30 g/m <sup>3</sup> a week.	Initial treatment 50-100 g/m <sup>3</sup> . Maintenance 20-30 g/m <sup>3</sup> a week.	First treatment 30-50 g/m <sup>3</sup> ; Maintenance 10 g/m <sup>3</sup> a week.
When to apply	Weekly	Weekly	Weekly
Precautions when using	Do not pass the UNDILUTED product over the walls of a fibreglass swimming pool and pools with LINER coating	-	Do not pass the UNDILUTED product over the walls of a fibreglass swimming pool and pools with LINER coating



# pH CORRECTORS

## pH CORRECTORS

A water with pH corrector is essential so that the disinfectant product can be effective and to ensure a perfect transparency and disinfection of your swimming pool and to protect the health of those using the pool.

The pH manifests itself on a logarithmic scale of between 0 (high acidity) and 14 (high basicity).

Furthermore, a correct pH prevents the formation of scalings and makes the water less aggressive on the skin.

If the pH level is lower than 7, the water is acid, while if it is higher it is basic. When the pH equates to 7 we say that the water is neutral.

It is essential to check the pH every day and adjust it accordingly.

If possible, use an automatic control and dosing system into the piping.

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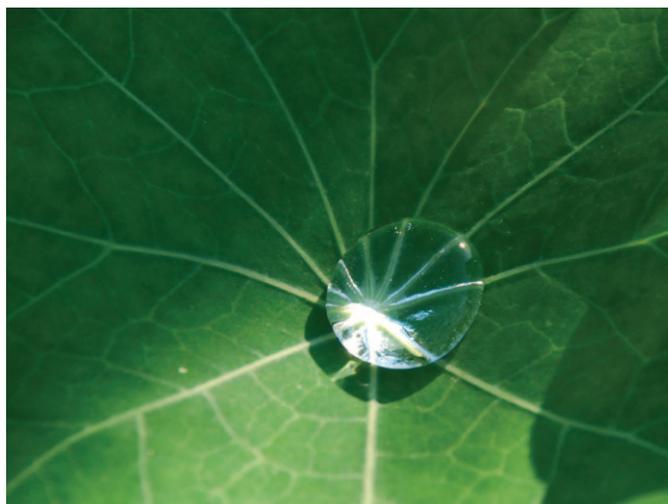
### PLUS

Barchemicals pH correctors are obtained using ultra fine raw materials and are characterised by being buffered and free of heavy metals.

Barchemicals Group offers you all the products you need to regulate the pH and, like water alkalinity and hardness regulators, prevent continuous oscillation.

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The ideal pH level should always be between 7.0 and 7.4.



In order to achieve proper disinfection of the swimming pool water, you need to keep the level of pH at between 7.0 and 7.4.

pH Imbalances lead to greater product consumption, water turbidity and eye and mucosa irritation in bathers.

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## pH CORRECTORS

## BIOACID

pH acid corrector with an inorganic buffered acid base, Mineral salts, Polyquaternary Ammonium and limescale agents. With Magnesium and Potassium. Its special balanced formula reduces the presence of organic pollutants and keeps the bacterial flora and algae under control.



## Instructions for use

Add 300/400 cc of product to lower pH by 0.1 unit in 100 m<sup>3</sup> of water, depending on water alkalinity. It is a product formulated to be dosed into swimming pool water using automatic pH regulating and control devices or even directly by hand into the pool. Avoid eye or skin contact.

## Perfect for

Suitable for dosing with a feed pump or manually and for water that is particularly hard.

## Added value

You will find the pH corrector, Biocide, descaler and coagulant in a single product. Powerful buffer action.

**BIOACID** - Natural pH corrector with buffered and bactericide effect. "I SALI DELLA VITA" Line

Code	Description	Package	Pieces	Pallet Quantity
220616005	BIOACID - ISDV	DR 5 L	-	560 L
220616010	BIOACID - ISDV	DR 10 L	-	400 L
220616000	BIOACID - ISDV	IBC 1000 L	-	-

Product for professional use.

## BIOACID SPECIAL &lt; 15 %

Acid pH corrector for swimming pools based on buffered inorganic acids and mineral salts. Its special balanced formulation reduces the presence of organic pollutants and keeps the bacterial and algal flora under control, avoiding the formation of biofilms and limestone deposits on the filter media.



## Consigli d'uso

For water with high alkalinity: from 1200 to 1800 cc of BIOACID SPECIAL per 100 m<sup>3</sup> of water to lower the pH by 0.1 units.

For waters with medium alkalinity: from 600 to 900 cc of BIOACID SPECIAL per 100 m<sup>3</sup> of water to lower the pH by 0.1 units.

## BIOACID SPECIAL &lt;15%

Code	Description	Package	Pieces	Pallet Quantity
220616040	BIOACID SPECIAL <15% - ISDV	FU 10 L	-	400 L

Product not for professional use compliant with EU Regulation 98/2013.

## pH CORRECTORS

### EXPO pH NEW BLU

Liquid pH acid corrector for swimming pools. With an inorganic buffered acid base. It is free from chlorides. It has an algacide and optical brightener effect, is odourless and fumeless. **Specific weight 1.5 ± 0.05.**

#### Instructions for use

Add 400/600 cc of product to lower pH by 0.1 unit in 100 m<sup>3</sup> of water, depending on water alkalinity. It is a product formulated to be dosed into swimming pool water using automatic pH regulating and control devices or even directly by hand. Avoid eye or skin contact.

#### Perfect for

Suitable for dosing with a feed pump or manually.

#### Added value

It prevents water with a pH that is too high from irritating the eyes, mucosa and skin and that precipitations of limescale deposits occur and enhances the Chlorine's effectiveness.

### EXPO pH NEW BLU

Code	Description	Package	Pieces/Box	Pallet Quantity
220404002	EXPO pH NEW BLUE - Liquid - Buffered	DR 10 L	-	400 L
220404004	EXPO pH NEW BLUE - Liquid - Buffered	IBC 1000 L	-	-

Product for professional use.

### EXPO pH SPECIAL < 15 %

Liquid pH acid corrector for swimming pools. With an inorganic buffered acid base. It is free from chlorides. It does not smell and does not give off harmful fumes.

**Specific weight 1.5 ± 0.05.**



#### Consigli d'uso

For water with high alkalinity from 1200 to 1800 cc of EXPO SPECIAL pH for 100 m<sup>3</sup> of water to lower by 0.1 pH units (12-18 cc / m<sup>3</sup>).

For water with medium alkalinity from 600 to 900 cc of EXPO pH SPECIAL per 100 m<sup>3</sup> of water to lower the pH by 0.1 units (6-9 cc / m<sup>3</sup>).

### EXPO pH SPECIAL

Code	Description	Package	Pieces/Box	Pallet Quantity
061S10	EXPO pH SPECIAL	DR 10 L	-	400 L

Product not for professional use compliant with EU Regulation 98/2013.

### SEQ 06

Mix of acids and sequestrants for DDS LINE dosing systems. Special sequestrant for heavy metals for swimming pools. It is a chemical additive inhibitor and dispersant with which limescale deposits are prevented, caused by sodium hypochlorite on injectors and dosing systems. It acts as sequestrant and dispersant on the Calcium and Magnesium ions in the water but also on Iron and Manganese ions. Recommended for very hard water to be added prior to chlorination. Product for professional use.

#### SEQ 06

Code	Description	Package	Pieces/Box	Pallet Quantity
180398013	SEQ 06 - Liquid	DR 10 L	-	400 L



## pH CORRECTORS

## EXPO pH SUPER POWDER

**Acid** corrector of granule pH. It is free of buffer chlorides.

## Instructions for use

When there are no bathers in the swimming pool, pour in the doses of product required into a recipient with water and then disperse in the pool (1.5kg of produce is required to lower the pH by 0.2 units in 100m<sup>3</sup> of water). Warning: avoid adding the product to the skimmer, if you do not have an automatic feeder, it is best to introduce the product directly into the pool. Avoid eye or skin contact.

## Added value

It prevents water with a pH that is too high from irritating the eyes, mucosa and skin and that precipitations of limescale deposits occur.

## Perfect for

For every kind of swimming pool.



## EXPO pH SUPER POWDER

Code	Description	Package	Pieces/Box	Pallet Quantity
062001	EXPO pH SUPER Powder	JR 1.5 KG	12	384 pieces
062005	EXPO pH SUPER Powder	BU 5 KG	-	300 kg
062010	EXPO pH SUPER Powder	BU 10 KG	-	360 kg
0620026	EXPO pH SUPER Powder	SA 25 KG	-	1225 kg
062025	EXPO pH SUPER Powder	BU 25 KG	-	450 kg

## EXPO pH PLUS

**Basic** pH corrector in powder form for swimming pools. It has no chloride with buffering effect.

## Instructions for use

When there are no bathers in the swimming pool, pour the dose of product required into a recipient with water and then disperse in the pool (1.5kg of produce is required to increase the pH by 0.2 units in 100 m<sup>3</sup> of water). Avoid eye or skin contact.

## Added value

It prevents water with a pH that is too low from causing irritation to the skin and eyes of bathers, as well as preventing the corrosion of the metal walls of the swimming pool and which requires an excessive consumption of disinfectant.

## Perfect for

For every kind of swimming pool.



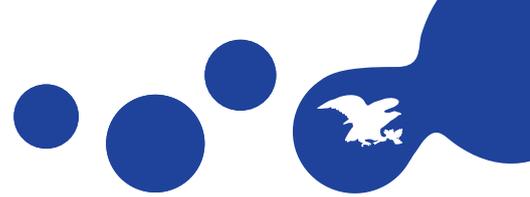
## EXPO pH PLUS POWDER

Code	Description	Package	Pieces/Box	Pallet Quantity
063020	EXPO pH PLUS Powder	JR 0,5 KG	12 pieces	384 pieces
063010	EXPO pH PLUS Powder	BU 5 KG	-	300 kg
063025	EXPO pH PLUS Powder	BU 10 KG	-	240 kg

## EXPO pH PLUS LIQUID

Code	Description	Package	Pieces/Box	Pallet Quantity
0630016	EXPO pH PLUS Liquid	DR 10 L	-	400 L

# pH CORRECTORS



## RAPID WATER TREATMENT HANDBOOK: Use pH correctors

	<b>EXPO pH NEW BLU Buffered</b> Acid corrector of liquid pH. Buffered. Optical brightener and Algaecide	<b>EXPO pH SPECIAL</b>	<b>EXPO pH SUPER POWDER</b> Powder pH acid corrector.
<b>What it is used for</b>	To lower the pH in water with a tendency to increase.	To lower the pH in water with a tendency to increase.	To lower the pH in water with a tendency to increase.
<b>How to use it</b>	Poured directly into the pool or measured with an electronic feed pump.	Poured directly into the pool or measured with a feed pump after diluting it.	Poured directly into the pool or measured with a feed pump after diluting it.
<b>Measurements</b>	30 g/10 m <sup>3</sup> to lower the pH by 0.1 units.	60 g/10 m <sup>3</sup> to lower the pH by 0.1 units.	25 - 30 g/10 m <sup>3</sup> to lower the pH by 0.1 units.
<b>When to apply</b>	On a weekly basis if used manually.	On a weekly basis if used manually.	On a weekly basis if used manually.
<b>Precautions when using</b>	Do not mix with chlorinating agents (TRICLOR 90, BICLOR 56, OXICLOR 10 EVOLUTION, IPOCLOR 30...)	Do not mix with chlorinating agents (TRICLOR 90, BICLOR 56, OXICLOR 10 EVOLUTION, IPOCLOR 30...)	Do not mix with chlorinating agents (TRICLOR 90, BICLOR 56, OXICLOR 10 EVOLUTION, IPOCLOR 30...)



# WINTERISERS

CLOSING THE SWIMMING POOL

Carbonates in solution and reducing the formation of biofilm and algae.

This way you prevent the deposition and layering of limescale on the pool walls which would result in the formation of a layer of scaling that would be difficult to remove when the pool is re-opened.

Furthermore, this layer of limescale would be an excellent aid to the formation of algae.



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A correct closure of the swimming pool for the winter season is a good premise on which to start the following season.



## WINTERISERS

When the summer season comes to an end, it is essential that the plants and pool are closed down properly in order to prevent them getting damaged during the winter months and in order to find the pool in perfect condition the following season.

In fact, even though a swimming pool is mainly used during the summer months, it should not be neglected during the colder periods.

Closing the summer swimming pool requires the enacting of various stages, thanks to which, starting up again the following year will be easier.

If correctly carried out, the closure ensures the filtering system lasts longer as does the equipment and parts, as well as the structure and covering.

The use of the Barchemicals laboratory formulated Wintering product is essential for maintaining the

**Closing the pool** Clean the bottom of the swimming pool, carry out a super chlorination with OXICLOR 10 EVOLUTION, proceed with the addition of BLU DELUXE (5 L / 100 m<sup>3</sup>) and add the WINTER P product in the recommended doses, leaving the pumps on for 24 hours. Thereafter, proceed by lowering the level of water under the skimmers (if there are any) by thoroughly washing the filters and, where possible, leaving them open and free of water. Fit the winter cover. This way the following Spring, it will be much easier to re-open the swimming pool again.

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## WINTER P

Line of liquid wintering products with biocide effect for swimming pools. They prevent the formation of winter limescale and scum deposits in open air swimming pools. It permits the rapid and perfect cleaning of the pool walls before filling it for the season



### Instructions for use

At the end of the summer season and before covering the pool without suspending maintenance treatment, carry out a super chlorination with OXICLOR 10 EVOLUTION (50 g/m<sup>3</sup>) and possibly add 5 L of Antialgae every 100m<sup>3</sup> of water. The next day, add 5 L of Winteriser per 100 m<sup>3</sup> of water. The pH level of the water should always be between 7.0 and 7.4. Pour the required doses directly into the water in the swimming pool. It is essential to start the filtering device running for the time needed to distribute the product uniformly in the water. Halfway through winter we recommend you repeat the treatment with OXICLOR 10 EVOLUTION if the pool is not covered.

### Perfect for

Perfect for swimming pools with liner or in polyester.

### Added value

It prevents the rapid deterioration of the water. It makes Spring cleaning easier and prevents the intense proliferation of algae. It does not form foam and is compatible with all disinfecting treatments. It dissolves completely in water.

## WINTER P

Code	Description	Package	Pieces/Box	Pallet Quantity
220802002	WINTER P - Liquid	DR 5 L	-	560 L
056011	WINTER P - Liquid	DR 10 L	-	600 L

# WINTERISERS



## RAPID WATER TREATMENT HANDBOOK: Using the Wintering product

	<b>WINTER P</b>
	Special product for summer swimming pools for the wintering of the pool.
<b>What it is used for</b>	It prevents the formation of limescale or scum deposits.
<b>How to use it</b>	Directly in the pool at the end of the season, measuring it at the point of maximum turbulence after carrying out a super chlorination with OXICLOR 10 EVOLUTION and used together with an anti-algae
<b>Measurements</b>	For sem-hard water 30 g/m <sup>3</sup> ; up to 50 g/m <sup>3</sup> for hard water; up to 100 for very hard water.
<b>When to apply</b>	At the end of the summer season, before closing down the pool.
<b>Precautions when using</b>	Avoid eye or skin contact.



# **SPECIAL TREATMENTS**

SPECIFIC SOLUTIONS

# SPECIAL TREATMENTS

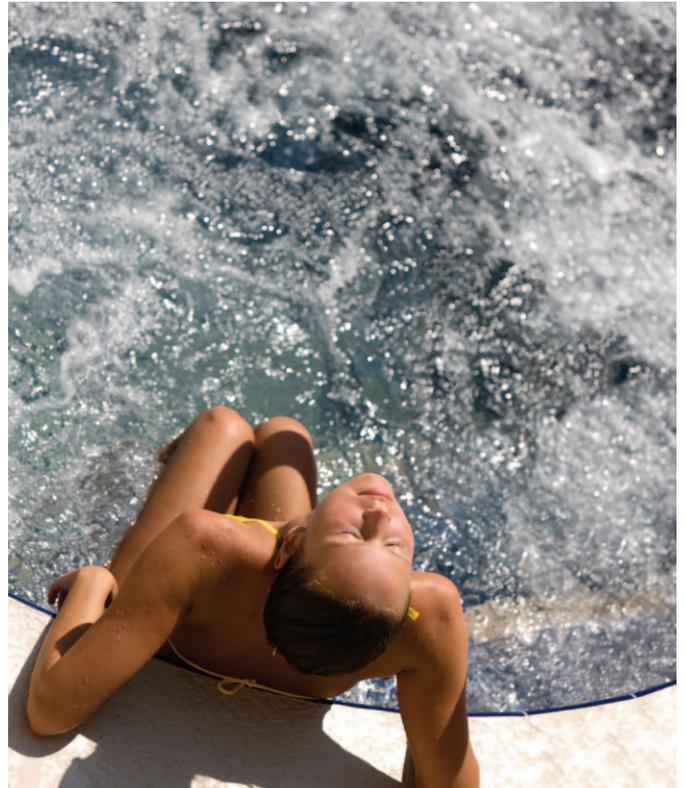
## SPECIFIC SOLUTIONS

Sometimes unusual, problematic conditions can arise in the swimming pool that require the use of special products to resolve the situation.

Barchemicals offers a series of specific products which, used on their own, or together with other products, will allow you to resolve the different problems you will be faced with.

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A complete line of products to resolve mishaps and unexpected situations



## CONTROL METAL

Sequestrant product for heavy metals and anti-silt. It **prevents** the precipitation of Iron and Manganese and the formation of powerful limescale and siliceous residues. Suitable for use at the start of the season.



### Instructions for use

Add directly into the pool CONTROL METAL with doses of 30-60 cc/m<sup>3</sup> during the initial filling. Regulate the pH between the level of 7.6 and 7.8 and leave in filtering mode for at least 48 hours, carrying out regular

backwashings. Proceed to the chlorination only when you are sure you have a content of Iron and Manganese which is lower than 0.05 ppm.

### CONTROL METAL

Code	Description	Package	Pieces/Box	Pallet Quantity
021302001	CONTROL METAL - Liquid	BO 1 L	20	300 pieces
056C11	CONTROL METAL - Liquid	DR 10 L	-	400 L

## CONTROL METAL RX

Sequestrant product for immediate intervention when the damage is already done. Iron and Manganese **have deteriorated**, the swimming pool walls are stained and the water in the pool is coloured: in just a few minutes it is possible to remedy the situation by adding a truly miraculous product.



### Instructions for use

Add directly to the pool CONTROL METAL RX pouring it directly on stained walls: Iron and Manganese will gradually return in solution to be filtered and expelled from the plant.

Remove any Chlorine tables from the skimmer and/or suspend the automatic chlorination system.

Regulate the pH level to between 7.6 and 7.8 and leave

the plant in filtering mode for at least 48 hours making sure you carry out a backwashing every 12 hours. Avoid adding water loaded with Iron and Manganese in the future once you have restored the water's transparency.

### Perfect for

The elimination of Iron and Manganese residues.

### CONTROL METAL RX

Code	Description	Package	Pieces/Box	Pallet Quantity
057C10	CONTROL METAL RX - Liquid	DR 10 L	-	400 L

## SPECIAL PRODUCTS

### BLU CLEAR

Multifunction agent with clarifying, coagulating effect for swimming pool, spa, fresh and salt water. Based on natural polymers: Chitosan. Prevents the formation of Iron and Manganese stains on PVC liners.



#### Instructions for use

In order to keep the water crystalline, use BLU CLEAR once a week following the recommended doses. For private swimming pools used on a regular basis or for public swimming pools, increase the use to twice a week with a double dose.

1. Ensure that the filter is clean and is working properly.
2. Add the required dose of BLU CLEAR directly into the pool uniformly on the pool's surfaces.

#### Perfect for

All kinds of swimming pools and all kinds of filters.

#### Added value

By using BLU CLEAR on a regular basis, you can keep the water crystalline and clean, helping the filter to capture the dirt. It eliminates the residues of oil and creams, as well as foams and excess metals and is compatible with all disinfectant systems. BLU CLEAR is simple to use, makes cleaning the filter easy and improves the performance of the saline electrolysis system. It helps to prevent the black ring forming where the water touches the vertical walls.

### BLU CLEAR

Code	Description	Package	Pieces	Pallet Quantity
010602001	BLU CLEAR - Liquid	BO 1 L	20	300 pieces
010602007	BLU CLEAR - Liquid	DR 5 L	-	560 L
010602011	BLU CLEAR - Liquid	DR 10 L	-	600 L

## SPECIAL PRODUCTS

## CLORO MENO LIQUID

Discolouring product to kill off Chlorine in the swimming pool.

## Instructions for use

Dilute the required doses in a recipient with water and uniformly pour this solution into the water in the swimming pool or basin to be discoloured. Add 100 grams to reduce the residual Chlorine by 0.5 mg/L (ppm) per 100 m<sup>3</sup> of water.

## Perfect for

Elimination of the Chlorine in excess after impact treatment.

## Added value

It allows for the rapid elimination of Chlorine or Bromine so it can be used almost immediately after impact treatment or after excessive doses. The excess of Chlorine and Bromine will no longer be a problem.



## CLORO MENO LIQUID

Code	Description	Package	Pieces/Box	Pallet Quantity
057011	CLORO MENO Liquid	DR 10 L	-	400 L

## CLORO MENO POWDER

Discolouring granule product to keep down Chlorine in the swimming pool.

## Instructions for use

Add the product at the point of maximum turbulence in order to facilitate a fast, even distribution.

6g of CLORO MENO POWDER per cubic metre of water reduce the Chlorine content by 1 ppm.

## Perfect for

Elimination of the Chlorine in excess after impact treatment.

## Added value

It allows for the rapid elimination of Chlorine or Bromine so it can be used almost immediately after impact treatment or after excessive doses. The excess of Chlorine and Bromine will no longer be a problem.

## CLORO MENO POWDER

Code	Description	Package	Pieces/Box	Pallet Quantity
057110	CLORO MENO Powder	BU 10 KG	-	360 kg

## BLU DECLOR

Product for breaking down the Chlorine in the drained off water. It does not leave residues. It is active oxygen based.

## BLU DECLOR

Code	Description	Package	Pieces/Box	Pallet Quantity
066109	BLU DECLOR - Liquid	DR 10 L	-	400 L





## SPECIAL PRODUCTS

# SPECIAL PRODUCTS: COLOUR TEST FOR TYPE A AND B POOLS

### ERIOCHROME BLACK

4% water solution of ERIochrome BLACK for colour testing during initial tests of water circulation system in private and public pools. Compliant with UNI 10637/2015.



Code	Description	Package	Pieces/Box	Pallet Quantity
220610012	ERIOCHROME BLACK T SOLUTION 4 %	DR 10 L	-	600 L

# BIO OXI POWDER

### BIO OXI GRANULAR - ISDV

Agente ossidante a base di Ossigeno attivo. Agente ad elevato potere ossidante per il trattamento d'urto delle acque di piscina che utilizzano Bromo o sistemi No Chlor per la disinfezione. Ideale inoltre per la sanificazione di superfici dure.



#### Instructions for use

**For pools:** oxidising shock treatment 50 g/m<sup>3</sup>. For pools, the weekly use of BIO OXI POWDER at 10-30 g/m<sup>3</sup> concentration with EXPOSAN C91 and EXPOSAN RB1 is recommended. Promotes the elimination of chloramines, chlorophenols and trihalomethanes. The product may be dosed with water with a DPD method.

**For hard surfaces:** add 100 g of BIO OXI POWDER to 5 L of water in a plastic container.

Code	Description	Package	Pieces	Pallet Quantity
010610026	BIO-OXI Granule - ISDV	BU 10 KG	-	360 kg



# **FILTERING MATERIAL**

INNOVATIVE MATERIAL FOR WATER  
FILTRATION

## FILTER MATERIAL

# BIOVITRUM

Filter media

NEW!

Our Biovitrum glasses comply to  
UE 2020/2184 and DM 174/2004

**BIOVITRUM** is a filter medium developed by Barchemicals Group on the basis of laboratory research, field experience and partnerships with Universities.

The use of ground glass instead of quartzite reduces the risk of lime-scale formation, while agglomerates make the backwashing of the filter media more fluid.

BIOVITRUM production starts with the selection, washing and sterilisation of the raw material and activation of the active sites by means of heat treatment.

This enables these materials to amplify all processes of filtration and autoflocculation of organic and colloidal substances, and inorganic substances, depending on the application involved.

**BIOVITRUM Ag+®** has a molecular layer of nanotechnological silver deposited on its surface, which performs its bacteriostatic and bactericide function by simple contact. These characteristic make **BIOVITRUM Ag+®** particularly suitable for the treatment of drinking water and swimming pool water, and where it is necessary to prevent the formation of especially strong biofilm.

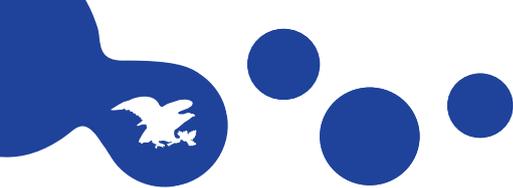
**BIOVITRUM Ti®** with nanotechnological titanium makes this filter medium particularly suitable for drinking water as well as process, swimming pool and even waste water. The silver coating on the surface of biovitrum is obtained by means of a special patented process, which permanently fixes the metallic silver atoms to the glass.



This process gives the surface long-term immunity to attack, even by concentrated chemicals put into the swimming pool water.

Silver is well known as one of the most powerful disinfectants found in nature, so the surface of BIOVITRUM Ag+ is self-disinfecting.

The special coating prevents clogging of the filter medium as a result of the accumulation of inorganic material on the surface of the grains.



## FILTERING MATERIAL

## BIOVITRUM Ag+®

Filter media

**BIOVITRUM Ag+** is an innovative water filtration material made of glass particles with a nanotechnological coating containing silver. The presence of nanotech silver makes Biovitrum bactericidal and bacteriostatic, thus facilitating conventional disinfection processes and preventing the development of hazardous pockets of bacteria and the formation of biofilm in the filter.

## BioVitrum Ag+



The filtration quality of **BIOVITRUM Ag+** is long-lasting because the silver coating is **permanently fixed to the surface** of the filter media by means of patented technology, and is immune to attack from the chemical agents found in the water. The composition of BIOVITRUM Ag+ means that it can be used to filter swimming pool water, process water and waste water.

### BACTERICIDAL AND BACTERIOSTATIC

Sand is a good filter medium, but is also an ideal medium for the spread of bacteria. In just a few days, every grain of sand is colonised by bacteria. They tend to instantly form a biofilm

to protect themselves from the disinfecting product.

The special coating of **BIOVITRUM Ag+** makes its surface immune to attack by bacteria, and prevents the formation of biofilm, thus considerably improving filtration quality. Very often biofilm leads to the formation of clumps of filtration material, creating preferential routes inside the filter media and considerably limiting the effectiveness of the filter action.

**BIOVITRUM Ag+** prevents the development of biofilm and accumulations of organic substances in the filter. **Less chlorine is therefore consumed** during the disinfection process because, in filters contaminated with biofilm, part of the chlorine is used for disinfecting the organic substances and bacteria found in the filter.

### NO SMELL OF CHLORINE

Chlorine is undoubtedly an excellent disinfectant but the reaction with organic and inorganic substances produces other reactions that lead to the formation of combined chlorine like chloramine, chlorophenol and trihalomethane.

Using less chlorine for disinfection generates fewer by-products of disinfection, which often smell unpleasant and are harmful to the health of bathers. Furthermore, the bacteria found in the biofilm convert urea into ammonia, which then reacts with the chlorine giving rise to chloroamine. However, if there is no biofilm and consequently no bacteria, this process is prevented, the urea remains in the water and reacts with the chlorine but is harmless. No biofilm, no chloroamine, no chlorine smell.

### THE ADVANTAGES OF BIOVITRUM Ag+

Less time required for backwashing - considerable water saving

No smell of chlorine - no bacteria present in the filter and no generation of chloroamine on the filter;

Ecological - no biofilm - saves on chlorine and chemical products;

High life expectancy; no formation of biofilm - filtering efficiency that lasts over time

Crystal-clear water - no preferential routes . good filtering efficiency

### Applications:

Filter media for:

- Swimming pool water
- Waste water
- Process water

With high bacteriostatic power thanks to the silver particles. In certain cases, BIOVITRUM Ag+ can be used as it is or in conjunction with other filter media, such as quartzite, anthracite, active carbon etc.

### Operating criteria

Recommended filtration speed:  
35 – 50 m/h

Washing with air:  
60 – 100 m/h

Washing with water:  
MAX 50 m/h

Filter medium expansion:  
10 to 30%

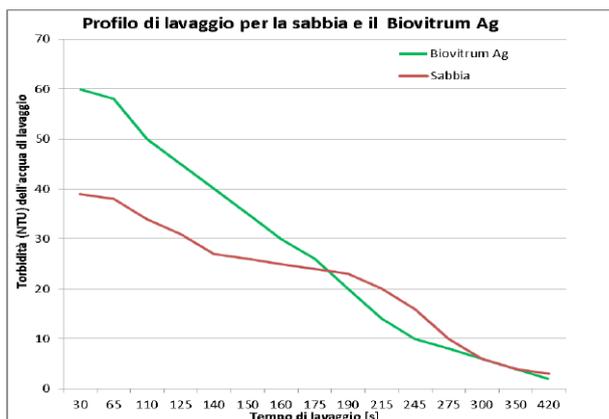
## FILTERING MATERIAL

### LONG FILTER BED LIFE

The backwashing process is the process with which the filter is washed against the current and most of the organic substances found in it are removed.

During this process most of the biofilm, however, is not removed, in other words the organic/inorganic mixed structure that is generated by the bacteria. Often the accumulation of biofilm is the main reason why the filter does not work at its best.

The performance of **BIOVITRUM Ag+**, thanks to the special coating that prevents the accumulation of biofilm, remains unaltered and high for many years. Furthermore, all the backwashing processes, because there is no biofilm, are optimised and facilitated thus guaranteeing a significant water saving.



The curve shows a comparison between the backwashing water of a sand filter and a Biovitrum Ag+ filter.

The Biovitrum Ag+ filter expels up to 35% more impurities.

### The **BIOVITRUM Ag+** activation process

The silver coating on the surface of **BIOVITRUM Ag+** is obtained by means of a special patented process, which permanently fixes the metallic silver atoms to the glass.

This process gives the surface long-term immunity to attack, even by concentrated chemicals put into the swimming pool water.

Silver is well known as one of the most

powerful disinfectants found in nature, so the surface of **BIOVITRUM Ag+** is self-disinfecting.

The special coating prevents clogging of the filter medium as a result of the accumulation of inorganic material on the surface of the grains.

### FILTRATION RATING

The filter medium in filters with **BIOVITRUM Ag+** is very fine; so fine that at filtration speed of 35 - 50 m/h it guarantees nominal filtration of

less than 5 microns obtained without flocculation. The filtration rating of **BIOVITRUM Ag+** is therefore at least 25% higher than sand or normal glass. Nominal filtration of less than 0.1 microns can be achieved using flocculants.

The water in your swimming pool will be clean and with zero turbidity.

Chemical Composition	
SiO <sub>2</sub>	71.36%
Fe <sub>2</sub> O <sub>3</sub>	0.10 %
CaO	9.00 %
K <sub>2</sub> O	1.21 %
Al <sub>2</sub> O <sub>3</sub>	0.95%
MgO	3.80 %
SO <sub>3</sub>	0.30 %
Na <sub>2</sub> O	13.80 %
Ag Nanotech	0.04 %

Material	
100% ground glass, heat-activated at over 600°C	
Specific weight	1.42 - 1.45 g/cm <sup>3</sup>

### DID YOU KNOW?

Silver ions seem to destroy micro-organisms instantly, by blocking the enzymatic respiratory system (i.e. energy production) and impairing the microbial DNA and cell wall, without having any toxic effects on human cells in vivo.

## FILTERING MATERIAL

### BACTERICIDAL AND BACTERIOSTATIC EFFECTIVENESS OF BIOVITRUM AG+

The following test was conducted for the purpose of determining the actual bactericidal effectiveness of **BIOVITRUM Ag+**. The tests were carried out on the most common kind of bacterial strains found in swimming pool water, or rather: *Staphylococcus aureus*, *pseudomonas aeruginosa*, coliform bacteria and *Enterococcus*.

The initial characteristics of the water brought into contact with the glass at "time zero" are as follows (CFU/100 ml, colony-forming units per 100 ml of sample water):

- **Enterococcus** = 18 CFU/100 ml
- **Total coliforms** = 9 CFU/100 ml
- **Pseudomonas aeruginosa** = 16 cfu/100 ml
- **Staphylococcus aureus** = 53 CFU/100 ml

After initially defining the species that contaminate water, we brought this water into contact with two samples of ground glass: the first was standard ground glass and the second was **BIOVITRUM Ag+**, i.e. special glass treated with nanoparticles of silver. After 15 minutes, 30 minutes, 3 hours and 5 hours of contact, the bacteria colony content was as follows:

CAMPIONE	Tempo 15' (dopo 15 minuti di contatto)				Tempo 30' (dopo 30 minuti di contatto)			
	Enteroc.	Coliformi	Pseudo.	Stafil.	Enteroc.	Coliformi	Pseud.	Stafil.
Acqua (Tempo 0)	18	9	16	53	18	9	17	53
Vetro Standard	19	9	17	53	19	9	18	54
BIOVITRUM Ag+	3	0	1	14	0	0	0	1

CAMPIONE	Tempo 180' (dopo 3 ore di contatto)				Tempo 300' (dopo 5 ore di contatto)			
	Enteroc.	Coliformi	Pseudo.	Stafil.	Enteroc.	Coliformi	Pseud.	Stafil.
Acqua (Tempo 0)	19	9	17	54	20	10	17	54
Vetro Standard	22	10	19	56	24	12	21	56
BIOVITRUM Ag+	0	0	0	0	0	0	0	0

As the figures show, **BIOVITRUM Ag+**, special glass treated with nanoparticles of silver, exerts a powerful bactericidal and bacteriostatic action that prevents the formation of biofilm while at the same time helping other biocides to disinfect the water.

Code	Description	Pallet Quantity
010602080	BIOVITRUM Ag+ 0.4 - 1.0 mm - SA 25 Kg	1000 KG
010602081	BIOVITRUM Ag+ 1.0 - 3.0 mm - SA 25 Kg	1000 KG

## FILTERING MATERIAL

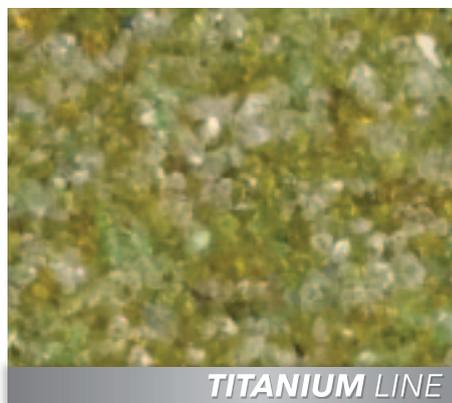
# BIOVITRUM Ti®

Filter media

NEW!

**BIOVITRUM Ti®** is an innovative water filtration material made up of glass particles with a high-tech coating containing titanium. The presence of titanium, exploiting a catalytic reaction, makes **BIOVITRUM Ti** self-cleaning, preventing the adhesion of dirt, grease and the formation of biofilm inside the filter.

## BioVitrumTi



The filtration quality of **BIOVITRUM Ti** is long-lasting because the titanium coating is permanently fixed to the surface of the filter media and immune to attack by the chemical agents found in the water. The special coating reduces the frequency of backwashing and consequently cuts down on filter maintenance.

The composition of biovitrum ti means that it can be used to filter swimming pool water, process water and waste water.

### DISINFECTION-PROMOTING CATALYTIC EFFECT

Sand is a good filter medium, but is also an ideal medium for the spread of bacteria. In just a few days, every grain of sand is colonised by bacteria. They tend to instantly form a biofilm to protect themselves from the disinfecting product. Entire communities of bacteria and

pathogen agents live in this biofilm, including legionella. The special coating of **BIOVITRUM Ti** makes the surface catalytic, notably increasing the disinfecting action of normal disinfectants, impeding the adhesion of dirt, grease and the formation of biofilm, and thus improving filtration quality. Very often biofilm leads to the formation of clumps of filtration material, creating preferential routes inside the filter media and considerably limiting the effectiveness of the filter action.

No biofilm - no preferential routes - high filtration efficiency.

### LESS CONSUMPTION OF CHLORINE AND CHEMICAL PRODUCTS

**BIOVITRUM Ti** counteracts the adhesion of dirt, grease and the formation of biofilm, preventing the accumulation of organic substances in the filter. Less chlorine is therefore consumed during the disinfection process because, in filters contaminated with biofilm, part of the chlorine is used for disinfecting the organic substances and bacteria found in the filter.

### NO SMELL OF CHLORINE

Chlorine is undoubtedly an excellent disinfectant but the reaction with organic and inorganic substances produces other reactions that lead to the formation of combined chlorine, such as chloramine, chlorophenol and trihalomethane. This occurs mainly when the disinfecting process is incomplete. The special coating of **BIOVITRUM Ti** catalyses the normal processes of disinfection by oxidant agents, making them faster and more effective, and therefore reducing the formation of disinfection by-products, which are often unpleasant and harmful to the health of bathers.

Furthermore, the bacteria found in the biofilm convert urea into ammonia, which then reacts with the chlorine giving rise to chloroamine. However, if there is no biofilm and

#### THE ADVANTAGES OF BIOVITRUM Ti:

Less time required for backwashing - considerable water saving

No smell of chlorine - no bacteria in the filter and no generation of chloroamine on the filter;

Ecological - catalyses the destruction of biofilm - saves on chlorine and chemical products

High life expectancy; no formation of biofilm - filtering efficiency that lasts over time

consequently no bacteria, this process is prevented, the urea remains in the water and reacts with the chlorine but is harmless.

No biofilm - no chloroamine - no chlorine smell.

#### Applications:

Filter media for:

- Drinking water
- Swimming pool water
- Industrial water

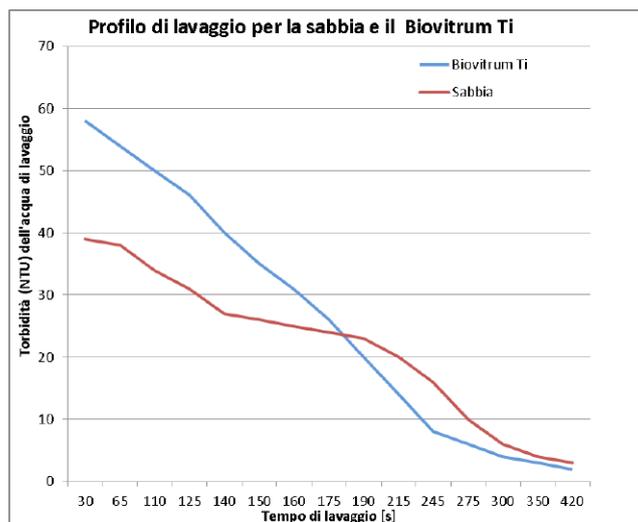
Its mono-particles of titanium promote and exert a catalytic action on organic substances.

**LONG FILTER BED LIFE:**

The backwashing process is the process with which the filter is washed against the current and most of the organic substances found in it are removed, organic substances that accumulate thanks to normal filtering.

During this process most of the biofilm, however, is not removed, in other words the organic/inorganic mixed structure that is generated by the bacteria. Often the accumulation of biofilm is the main reason why the filter does not work at its best.

The performance of **BIOVITRUM Ti**, thanks to the special coating that increases the disinfecting effect and helps counteract the accumulation of biofilm, remains unaltered and high for many years. Furthermore, all the backwashing processes, because they have no biofilm, are optimised and facilitated thus guaranteeing a significant water saving.



The curve shows the comparison between the backwashing water in a sand filter and a Biovitrum Ti one. The Biovitrum Ti filter expels up to 35% more impurities.

**THE BIOVITRUM Ti ACTIVATION PROCESS**

The titanium coating on the surface of **BIOVITRUM Ti** is obtained by means of a special patented process, which permanently fixes the metallic titanium atoms to the glass. This process gives the surface long-term immunity to attack, even by concentrated chemicals put into the swimming pool water.

Titanium is well known as one of the most powerful disinfectants found in

nature, so the surface of **BIOVITRUM Ti** increases its disinfecting action.

The special coating prevents clogging of the filter medium as a result of the accumulation of inorganic material on the surface of the grains.

**FILTRATION RATING**

The filter medium in filters with **BIOVITRUM Ti** is very fine; so fine that at filtration speed of 35 - 50 m/h it guarantees nominal filtration

of less than 5 microns obtained without flocculation. The filtration rating of **BIOVITRUM Ti** is therefore at least 25% higher than sand or normal glass. Nominal filtration of less than 0.1 microns can be achieved using flocculants. The water in your swimming pool will be clean and with zero turbidity.

Chemical Composition	
SiO <sub>2</sub>	70.50%
Fe <sub>2</sub> O <sub>3</sub>	0.30%
CaO	9.50%
K <sub>2</sub> O	1.20%
Al <sub>2</sub> O <sub>3</sub>	2.30%
MgO	2.15%
B <sub>2</sub> O <sub>3</sub>	0.15%
Na <sub>2</sub> O	13.30%
TiO <sub>2</sub> nanotech	0.06 %

Material	
100% ground glass, heat-activated at over 600°C	
Specific weight	1,35 - 1,45 gr/cm <sup>3</sup>

**Operating criteria**

Recommended filtration speed: 35 – 50 m/h  
 Washing with air: 60 – 100 m/h  
 Washing with water: MAX 50 m/h  
 Filter medium expansion: 10 to 30%

Code	Description	Pallet Quantity
010602082	BIOVITRUM Ti 0.4 -0.9 mm - SA 25 KG	1000 KG
010602083	BIOVITRUM Ti 1.5 -2.5 mm - SA 25 KG	1000 KG

## FILTERING MATERIAL

# BIOVITRUM SFERE

Glass beads for filters

Filtering material for water filters, consisting of **potassium-sodium silicate glass** microspheres. BioVitrums Sfera helps to achieve optimum backwashing efficiency - which also reduces water and electricity consumption by over 50% - thanks to the special shape of the pearls and the chemical and physical properties of the surface ensuring uniform distribution of partial electrical loads.

The chemical composition of **BioVitrums Sfera** means it can be used to filter any kind of water: pool, drinking, process and sewage water. It also prevents the formation of surface limescale and silicate deposits, thereby avoiding the resulting "compacting" of the filtering material which results in preferential channels for leaks and causes the filtering material to perform less efficiently. The extreme roundness of BioVitrums Sfera reduces the space for the passage of water between the glass spheres that are only a few microns in size, making filtering effective and very fast (**50 m<sup>3</sup>/m<sup>2</sup>/h**). In multi-layer filters with uniform charge, filtration speed can reach **50 m<sup>3</sup>/m<sup>2</sup>/h** in accordance with Italian standard **UNI 10637:2015**.

**BioVitrums Sfera Ag+** also available. In this variant the balls are coated with cationic and metallic silver, thereby reducing the formation of biofilm by up to **99%**.

### Applications:

Filtration of **swimming pool water** (BioVitrums Sfera complies with both **UNI 10637** and **DIN 19643** standards)

Filtration of **drinking water** (BioVitrums Sfera does not emit heavy metals into the filtered water)

Filtration of **seawater and water used in natural swimming pools and decorative/fish breeding ponds**.

Filtration of sewage water (the product is used in accordance with the particle sizes for coarse filtration and refining of sewage water before final drainage)

Filtration of **process water** (depending on the situation, BioVitrums Sfera can be used as it is or in combination with other filtering methods: quartz, anthracite, active carbon, etc.)

Filtering water for **agricultural use** (BioVitrums Sfera's minimal tendency to compacting allows the surface water used in agriculture to be pre-treated prior to its introduction into irrigation lines, thus preventing the nozzles from blocking)

Filtration of **water for animal consumption**.

## BioVitrums Sfera



### THE ADVANTAGES OF BIOVITRUM SFERE:

Produces crystal-clear, hygienically pure water.

Less time required for backwashing - considerable savings of water and energy;

No smell of chlorine - no bacteria present in the filter and no generation of chloroamine on the filter;

Ecological - no biofilm - saves on chlorine and chemical products;

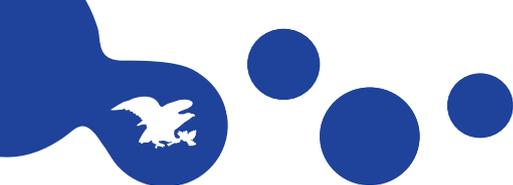
Crystal-clear water - no preferential routes . good filtering efficiency

Has a practically unlimited service-life

Reduces the frequency of maintenance

Chemical Composition	
SiO <sub>2</sub>	71.20%
Fe <sub>2</sub> O <sub>3</sub>	0.07%
CaO	7.51%
K <sub>2</sub> O	1.27%
Al <sub>2</sub> O <sub>3</sub>	2.40%
MgO	1.28%
Na <sub>2</sub> O	15.42%
Material	
100% sodium and potassium glass	
Specific weight	1.42 - 1.50 g/cm <sup>3</sup>
Roundness	Minimum 80%

Code	Description	Pallet Quantity
010602059	BIOVITRUM SFERE SMALL 0.6-0.8 mm- SA 25 KG	1000 KG
010602062	BIOVITRUM SFERE BIG 1.2-2.5 mm- SA 25 KG	1000 KG



## PURE QUARZITE

**PURE QUARZITE** - Micro-pearled sand for filters, in 25 kg sacks.  
Barchemicals pure quartzite is over 98% pure silica.



Codice	Descrizione
010602028	QUARZITE PURA Particle size - 0,4 - 0,8 mm - SA 25 KG
010602002	QUARZITE PURA Particle size - 0,8 - 1,2 mm - SA 25 KG
010602031	QUARZITE PURA Particle size - 1,0 - 3,0 mm - SA 25 KG
010602032	QUARZITE PURA Particle size - 3,0 - 6,0 mm - SA 25 KG
010602034	QUARZITE PURA Particle size - 6,0 - 9,0 mm - SA 25 KG
010602035	QUARZITE PURA Particle size - 10 - 20 mm - SA 25 KG

**DIATOMACEOUS EARTH** - Specifically for water treatment in Diatomaceous Earth filters. Packed in 25 kg paper sacks.



Codice	Descrizione
058025	PRIMISIL 802 Diatomaceous Earth powder - SA 25 KG
059025	CLARCEL DIC S Diatomaceous Earth powder - SA 25 KG



## SPECIAL PRODUCTS

### SPECIAL PRODUCTS: FILTER MAINTENANCE

The main role of the swimming pool's filtering system is to keep the water clean, clear and transparent. An effective filter can collect more than 98% of the polluting load found in the water.

A dirty, polluting filter is a sick one which instead of cleaning the water, pollutes it.

This is why the Barchemicals laboratories have designed specific products for cleaning and disinfecting your filter whether it be in quartz or glass, diatom or cartridge.

Just a few simple steps and your filter will be as good as new and your water will be cleaner.

#### GO AHEAD WITH THE FILTER CLEANING AND DISINFECTING

Before anything, carry out a good backwashing. Open the filter and leave enough water to cover the filtering layer. In the case of diatom or cartridge filters, empty the diatoms or rinse the cartridge by removing the dirt inside.

Add 10l of BLU FILTER CLEANER for every 100 /200 kg of quartzite taking into consideration the level of pollution in the filter itself.

Mixing the quartzite or glass with a wooden or plastic stick ensures that the product reaches even the lower areas of the filtering mass. A light production of CO<sub>2</sub> or foam means that BLU FILTER CLEANER is working.

Leave to take effect overnight.

After this, close the filter again and carry out a long backwashing until the foam in the drained water has completely disappeared.

In the case of diatom and cartridge filters, introduce the socks and cartridges into a 20-30% solution of BLU FILTER CLEANER and leave to take effect overnight, after which rinse thoroughly and then close the filter.

The next stage consists of sanitizing the filter. In the case of sand filters, repeat the procedure similar to the cleaning one but replacing with equal amounts of BLU FILTER CLEANER, OXICLOR 10 EVOLUTION or OXI CLEAR FILTER.

Similar procedure to use in diatom and cartridge filters.

Leave to take effect for at least 6 hours after which, rinse and put the system in "filtering" mode.

**BLU FILTER CLEANER:** Special cleansing product for looking after and cleaning the filter. BLU FILTER CLEANER simultaneously removes both the limescale residues and organic residues from the filter.

In order to obtain the best results in terms of disinfection, we recommend you use BLU FILTER CLEANER and later make a further treatment with OXICLOR 10 EVOLUTION or OXICLEAR FILTER.

Code	Description	Package	Pieces	Pallet Quantity
066008	BLU FILTER CLEANER - Liquid.	DR 10 L	-	400 L

#### OXICLEAR FILTER:

Oxygen based sanitising product for cleansing the filters contaminated with biofilm.

Code	Description	Package	Pieces	Pallet Quantity
010612006	OXICLEAR FILTER Liquid	DR 10 L	-	400 L

#### OXICLOR 10 EVOLUTION

BPR (Biocides) registration in progress

Liquid oxidising agent with a base of stabilised Chlorine oxides. Perfect for impact treatments in the pool. With anti-scale agent. Following on from the treatment, there is no need for long periods of de-Chlorination.



Code	Description	Package	Pieces/Box	Pallet Quantity
010606006	OXICLOR 10 EVOLUTION Liquid	DR 10 L	-	400 L



# CLEANSER AND SURFACE TREATMENT

DETERGENTS AND ANTIFUNGAL AGENTS

# CLEANSING AND SURFACE TREATMENT

## DETERGENTS, ANTIFUNGAL AGENTS AND DISINFECTANTS

Barchemicals Group has been operational for more than 30 years in the primary, drinking and swimming pool Water Treatment Industry with particular focus on the water treatment areas, control systems, measuring and automation.

One of its greatest success areas is environmental sanitizing and hard surface cleansing for which, over the years, it has provided a vast range of solutions for every kind of problem.

The aim of the hard surface cleansing is to get rid of as much pollution as possible on the surface in order to carry out as effective a disinfection as possible. Depending on the kind of dirt and the kind of surfaces, detergents with different physical - chemical characteristics are used that are always formulated to guarantee the best results with minimum impact on the surface being treated.

We can basically split the detergents into 4 categories:

- **Acid based detergents:** suitable for breaking calcareous or inorganic type dirt;

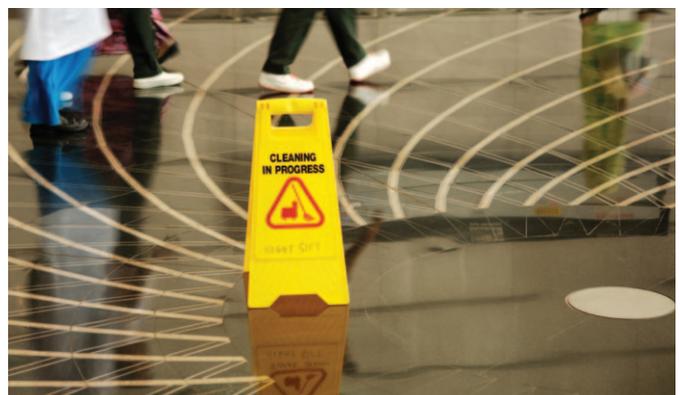
- **Alkaline based detergents:** suitable for degreasing surfaces covered in organic and protein-based dirt;
- **Neutral detergents:** normally suitable for organic or protein-based dirt but simply perform a dissolving action though not always a disintegrating action on the dirt itself.
- **Solvent based detergents:** normally these are only degreasers but some patented formulae like, for example, "MAGO", can operate simultaneously as a degreaser and descaler thanks to a combined action of the solvent base and the acid or basic base.

Furthermore, the detergents must contain other extremely important substances such as surfactants which keep the dirt in suspension, anti-redeposition agents which prevent the deposition of scalings and corrosion inhibitors which reduce the aggressive effect of the detergents on the hard surfaces.

All the Barchemicals products meet these requirements, reducing costs and maintenance time.



A vast range of products for disinfecting and cleaning sports centres, swimming pools, gyms and spas



In some cases the detergents even combine a powerful bactericide power, especially when the surfactant is cationic. The addition of colours, perfumes and other products serves to complete the effectiveness of the product itself.

## SURFACE CLEANSING AND TREATMENT

## TITANIUM LINE

Chemical products for swimming pool

**High-tech line of cleansing products for hard surfaces enriched with photocatalytic titanium.**

- The special formulation of products in the **Titanium Line** makes treated surfaces self-cleaning and bacteriostatic
- The repeated use of these products reduces and makes cleaning easier thanks to the deposit of micrometric titanium
- The deposited particles of photocatalytic Oxygen emit radicals capable of destroying the organic molecules and bacteria found on the surfaces.
- The superhydrophilicity of the Titanium allows the water to run away leaving the surfaces clean and dry
- All the active photocatalytic components used are of micrometric size and this excludes the risk of potential nanotoxicity.

**How it works:**

As the products in the Titanium line explicate their cleansing, they deposit a nanotech Titanium molecular layer on the treated surfaces that continues its nanotechnological effect over time.

**Ti-WIZ**

A special product for descaling and degreasing hard surfaces and the edges of a pool.

Ti-Wiz's special whitening formula allows you to rapidly and simultaneously remove limescale scalings and greasy dirt.

**Ti-DET**

Ti-Det is used to remove residual grease that clings to the walls of the swimming pool. Its special formula, containing photocatalytic Titanium, gives the treated surfaces self-cleaning and bacteriostatic properties.



Code	Description	Package	Pc. /Box	Pallet quantity
044004004	Ti-WIZ	DR 10 L	-	600 L
044006002	Ti-DET	B0 1 L	4	300 pieces

## MOULD PREVENTION

**Mold Stop**

Product for the prevention of mold on hard surfaces. Odorless.

Multipurpose anti-mold for surfaces with photocatalytic Titanium. The MOLD STOP spray acts on all types of surfaces. Effectively removes mold from silicone, wood, masonry, plaster, wallpaper.

All the areas in which it is used are immediately practicable and habitable, therefore the product is very suitable for use in living rooms, bedrooms, bathrooms, etc. The presence of catalytic titanium gives the product an exceptional speed of action as well as ensuring its persistence of action even after days.

Code	Description	Package	Pieces	Pallet Quantity
020208002	MOLD STOP	B0 1 L	4	300 pieces



## SURFACE CLEANSING AND TREATMENT

# DISINFECTANTS AND SANITIZERS FOR HARD SURFACES

## DISINFECTANTS



PMC (Medical and Surgical Device)

## ERGOSAN PROFUMATO

Medical and Surgical Device - Ministry of Health Reg. No. 18129

Disinfectant based on quaternary ammonium salts. Ideal for eliminating stagnant odors in changing rooms, showers, gyms and closed rooms in general.

The high concentration of quaternary ammonium salts makes ERGOSAN PROFUMATO particularly suitable for all those cleaning operations where, in addition to a detergent action, an effective disinfectant action is required. The pleasant scent makes the use of ERGOSAN PROFUMATO particularly suitable in closed and smelly environments. The high content of quaternary ammonium salts deodorises environments and surfaces, blocking bacterial fermentation.



Code	Description	Package	Pc/Box	Pallet quantity
034001	ERGOSAN PROFUMATO MENTHOLATED PINE 20 - Health Min. Reg. N. 18129	BO 1 L	20	300 pieces
034011	ERGOSAN PROFUMATO MENTHOLATED PINE 20 - Health Min. Reg. N. 18129	DR 10 L	-	600 L
035011	ERGOSAN PROFUMATO LIGHT 20 - Health Min. Reg. N. 18129	DR 10 L	-	600 L
035L11	ERGOSAN PROFUMATO LEMON 20 - Health Min. Reg. N. 18129	DR 10 L	-	600 L

Product for professional and home use.

## SEPTISOL

75% w / w hydroalcoholic solution in isopropyl alcohol and 0.1% w / w benzalkonium chloride. Sanitation of surfaces, including food.

Ready to use.

**Wording in accordance with WHO recommendations**



Code	Description	Package	Pc/Box	Pallet quantity
116003008	SEPTISOL	BO 1 L	4	288 pz
116003006	SEPTISOL	BO 1 L Trigger	4	288 pz
116003004	SEPTISOL	DR 10 L	-	400 L

## SURFACE CLEANSING AND TREATMENT

DESCALERS AND DETERGENTS  
SANITIZING EFFECT

## PULIDETER

**PULIDETER** is a concentrated liquid detergent with descaling and degreasing properties that is used in many cases such as cleaning ceramic and stainless steel sinks, ceramic tiles, chromed taps, to remove limescale stains from red stoneware, Florentine terracotta, klinker floors. Removes iron stains from toilets.



Code	Description	Package	Pc/Box	Pallet Quantity
001001	PULIDETER	BO 0,750 L	12	300 pieces
001010	PULIDETER	DR 10 L	-	400 L

## DR 84 SUPER

Detergent and descaler, based on inhibited mineral acids, for cleaning showers, sinks and ceramic tub shelves. Does not corrode the chrome.

The special balanced formula of **DR 84 SUPER** allows you to quickly remove any type of limescale. The presence of corrosion inhibitors delays any surface corrosion.

Code	Description	Package	Pc/Box	Pallet Quantity
040011	DR 84 SUPER	DR 10 L	-	400 L

## MAGO

Descaler and detergent with a strong descaling and degreasing action for cleaning walls and shelves in Klinker, ceramic gres and Florentine terracotta. In a single step it eliminates at the same time the limestone residues and the residues of organic dirt present on the surface.

The special balanced formula of **MAGO** allows you to quickly and simultaneously remove limescale and greasy dirt. The presence of corrosion inhibitors delays any surface corrosion.



Code	Description	Package	Pc/Box	Pallet Quantity
044011	MAGO	DR 10 L	-	400 L

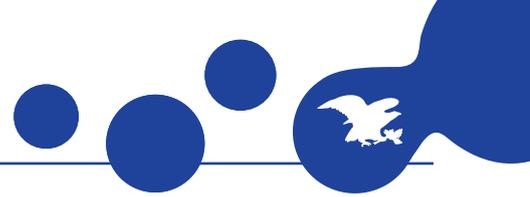
## F 3 3

Special descaler to eliminate very resistant iron-siliceous encrustations. Use with caution.

The balanced and specially studied formula of **F33** allows you to quickly remove even the most resistant residues of iron-silica-sulphate encrustations. The presence of corrosion inhibitors delays any surface corrosion



Code	Description	Package	Pc/Box	Pallet Quantity
045011	F33	DR 10 L	-	400 L



## SURFACE CLEANSING AND TREATMENT

### BLU FILTER CLEANER

Detergent and descaling product with special sanitizing action for the care and cleaning of the filter. Simultaneously removes both limestone residues and organic residues from the filter.

To obtain the best results in terms of sanitization it is advisable to use **BLU FILTER CLEANER** and then do a further treatment with OXICLOR 10 EVOLUTION or OXICLEAR FILTER.



Code	Description	Package	Pc/Box	Pallet quantity
066008	BLU FILTER CLEANER liquido	DR 10 L	-	400 L

### PULSAR CLEANER

Specific descaler to remove limescale in the DDS LINE automatic dosing systems (DDS EVOLUTION, DDS ECO WASH, DDS 3000 and DDS MULTIACTION). Neutralizes the chlorine vapors that develop during cleaning operations.



Code	Description	Package	Pc/Box	Pallet quantity
220504011	PULSAR CLEANER	DR 10 L	-	600 L

## SURFACE CLEANSING AND TREATMENT

## CLEANSERS FOR HARD SURFACES AND FLOORING

## FLOOR 2000 SANITIZZANTE

Universal degreaser with sanitizing action.

**FLOOR 2000 SANITIZER**, thanks to its special formulation, it is used as a degreaser and sanitizer in the most varied cleaning problems. It is recommended in particular for kitchen floors, for very dirty surfaces and in general in all cases where the dirt is mainly organic and an energetic sanitizing action is required. Also excellent on hoods, ovens and cooking plates.



Code	Description	Package	Pc/Box	Pallet quantity
002M11	FLOOR 2000 SANITIZZANTE	DR 10 L	-	600 L

## PULIFRESH 94/V

Perfumed cleaner for gyms and changing rooms

Low-foam scented liquid detergent for cleaning floors (marble, ceramic, terracotta) and hard surfaces such as Formica, toilets, tiles, etc.

Code	Description	Package	Pc/Box	Pallet quantity
003311	PULIFRESH 94/V	DR 10 L	-	600 L

## CRISTALL SLIP

Detergent for lacquered surfaces

**CRISTALL SLIP** replaces alcohol in cleaning operations. It is not flammable.

It is widely used for cleaning glasses, crystals, mirrors, desks and enamelled surfaces e polished in general. It does not stain, does not corrode and does not leave halos, removes graphite and stains of felt-tip pen for desks and fabrics.



Code	Description	Package	Pc/Box	Pallet quantity
005002	CRISTALL SLIP	B0 1 L	20	300 pieces

## DETERPOOL

Detergent formulated to remove the black line made up of greasy residues adhering to the pool walls.

Diluted 10% in water, it sanitizes and cleans floors and deck chairs and plastic beds.



Code	Description	Package	Pc/Box	Pallet quantity
047001	DETERPOOL	B0 1 L	20	300 pieces
047011	DETERPOOL	DR 10 L	-	600 L



## SURFACE CLEANSING AND TREATMENT

### XR 300 LOW FOAM

Special detergent for cleaning and sanitizing surfaces with sanitizing action.

Highly concentrated detergent for the removal of dirt of organic origin and grease. With low foaming power, it is also suitable for use with pressure machines. The special formulation of **XR 300** makes it particularly suitable for the cleaning and hygiene of slaughterhouses, garbage bins, livestock facilities or in general where a strong degreasing and emulsifying power is required.

The presence of quaternary ammonium salts allows to obtain a strong sanitizing effect. Deodorant and anti-fermentative on the treated surfaces.

Code	Description	Package	Pc/Box	Pallet quantity
011012LT	XR 300 LOW FOAM	DR 10 L	-	400 L

## SPECIAL PRODUCTS

### SOLUZIONE F21

Concentrated detergent and descaler for cleaning electrodes and instrument glass.

**F21** mechanically cleans and descales the electrodes intact restoring them to the best conditions of use.



Code	Description	Package	Pc/Box	Pallet quantity
050506002	SOLUZIONE F21	B0 1 L	4	300 pieces

### AS 20

Liquid defoamer.

Concentrated product for industrial use to be used in all cases where foam prevention or abatement is required.



Code	Description	Package	Pc/Box	Pallet quantity
220608002	AS 20	B0 1 L	4	300 pieces
055011	AS 20	DR 10 L	-	600 L

## SURFACE CLEANSING AND TREATMENT

### HANDBOOK FOR RAPID TREATMENT OF HARD SURFACES: Use cleansers, disinfectants and antifungal agents

	<b>ERGOSAN</b> Antifungal disinfectant. Health Ministry of Reg.	<b>MAGO</b> Inhibited descaler.	<b>DETERPOOL</b> Cleanser for pool edge.
<b>What it is used for</b>	For hard surface disinfecting (changing rooms, gyms etc.)	For prompted cleaning of swimming pool walls.	To eliminate the "black line" that forms in the area around the edge of the pool.
<b>How to use it</b>	1% dilute in water. Dampen or spray onto the surfaces.	30% dilute in water directly onto the walls.	A few drops on a sponge to dissolve the grease.
<b>Measurements</b>	1% solution in water.	30-50% depending on the amount of dirt.	A few drops on a sponge.
<b>When to apply</b>	After every daily clean.	Every time the pool is emptied or the walls and bottom have to be cleaned	Weekly or as required.
<b>Precautions when using</b>	Avoid eye or skin contact	Avoid eye or skin contact	Avoid eye or skin contact

**N.B.** - Before using any product, it is essential to test it on a small part of the surface to assess what effect it has.



## ANTI COVID-19 LINE

# DISINFETTANTE MANI

## SEPTISOL WHO

Ready-to-use hydroalcoholic lotion with disinfectant action for hands. Produced according to the formulation suggested by the WHO and the Istituto Superiore di Sanità, containing 75% isopropyl alcohol.

**BIOCIDE PT1 (notwithstanding pursuant to Article 55)**



Code	Description	Package	Pc/Box	Pallet quantity
116006005	SEPTISOL WHO COSMETICO	100 ml	100	2400 pieces
116016004	SEPTISOL WHO EX ART. 55	BO 1 L	4	288 pieces
116016005	SEPTISOL WHO EX ART. 55	FU 5 L	-	300 L

# DISINFETTANTE SUPERFICI

## SEPTISOL

75% w / w hydroalcoholic solution in isopropyl alcohol and 0.1% w / w benzalkonium chloride. Sanitation of surfaces, including food. Ready to use.

**Wording in accordance with WHO recommendations**



Code	Description	Package	Pc/Box	Pallet quantity
116003008	SEPTISOL	BO 1 L Ricarica	4	288 pieces
116003006	SEPTISOL	BO 1 L Con Trigger	4	288 pieces
116003004	SEPTISOL	FU 10 L	-	400 L

## DISINFETTANTI PER AMBIENTI

### BIOZONO C20

Disinfectant based on Hydrogen Peroxide (35% active) for the control of bacteria and viruses on surfaces and air conditioning systems.

Prepare a 1% solution of active ingredient.

The solution can be vaporized / nebulized with a special hot steam or cold fog machine, or applied by spray on the surfaces to be treated.



Code	Description	Package	Pc/Box	Pallet quantity
220670010	BIOZONO C20	FU 10 L	-	400 L

### BIOZONO LIGHT C20

Disinfectant based on hydrogen peroxide (1% active) for the disinfection of surfaces, ready to use

Deliver the product as it is. Suitable for all surfaces, including food surfaces.

It leaves no residue. The solution can be vaporized / nebulised with a special machine with hot steam or cold fog, or applied by spray on the surfaces to be treated.



Code	Description	Package	Pc/Box	Pallet quantity
220671010	BIOZONO LIGHT C20	FU 10 L	-	400 L





# MEASUREMENT

MEASUREMENT, ANALYSIS AND CHECKING

# MEASUREMENT

## MEASUREMENT, ANALYSIS AND CHECKING

There are various test kits and photometrics available in order to check the physical-chemical parameters of the water in the pool.

Checking the parameters is essential in order to monitor the quality of the water and optimise the dose of chemical products.

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The recommended amount of free Chlorine in the swimming pool should normally be 1 ppm



The ideal pH level should always be between 7.0 and 7.4.

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## MEASUREMENT AND ANALYSIS

### TESTER SERIES

Waterproof electronic tester for swimmingpools

#### MULTITEST PRIME LAB PL 1.0

Electronic kit for checking the following water parameters:

- Free Chlorine (\* 0 – 8 ppm ) - Combined Chlorine
- Total Chlorine
- pH (\* 6.4 – 8.4)
- Cyanuric Acid (\* 2 – 160 ppm ) \* - measurement pause

The case is sold with the following contents:

- 50 DPD1 tablets for photometrics
- 50 DPD3 tablets for photometrics
- 50 Phenol Red tablets for photometrics
- 50 Cyanuric Acid tablets for photometrics; - Beaker
- 3 glass test-tubes
- 1 tablet pestle
- 1 Kit for ammonia measurement



Code	Description
050220006	MULTITEST PL 1.0

### PHOTOMETER POOL LAB 1.0

Waterproof electronic tester for swimmingpools

The new PoolLab® 1.0 is a single wavelength photometer for professional water testing in private and public pools and whirlpools.

An integrated but replaceable cuvette allows a quick sampling of water by simply immersing the waterproof IP67 PoolLab® photometer.

PoolLab® with its 6 buttons is designed to allow the immediate access of preinstalled parameters, i.e. pH, Chlorine (free/combined/total), Alkalinity (Acid Capacity), Cyanuric acid (Stabiliser), Active oxygen (MPS), Bromine, Chlorine dioxide, Ozone and Hydrogen peroxide.

Thanks to Bluetooth 4.0 wireless technology, PoolLab® can easily be connected to software and app supplied free of charge for the management of test results.

Once the results of the analyses have been synchronised, the software and app provide recommendations on products dosing and chemical treatments, based on the individual parameters entered. The user can then print the reports of the results obtained, calculate LSI and other indices.

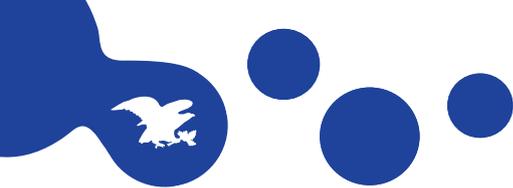
#### PARAMETERS

- **Chlorine** (free/combined/total) - field 0.00 - 6.00 mg/L (ppm)
- **Alkalinity** (Acid Capacity) - field 0 - 300 mg/L (ppm) CaCO<sub>3</sub>
- **Cyanuric Acid** (Stabiliser) - field 0 - 160 mg/L (ppm) - Active oxygen (MPS) - field 0.0 - 30.0 mg/L (ppm)\*
- **Bromine** - field 0.0 - 13.5 mg/L (ppm)\*\*
- **Chlorine dioxide** - field 0.0 - 11.4



- mg/L (ppm)\*\*
- **Ozone** - field 0.0 - 4.0 mg/L (ppm)\*\*
- **Hydrogen peroxide** - field 0.0 - 2.9 mg/L (ppm)\*\*

Code	Description
050219004	PHOTOMETER POOL LAB 1.0



## MEASUREMENT AND ANALYSIS

# MULTITEST RX 2001 PLUS

Case. Electronic kit for checking the following parameters:

- Free Chlorine
- Bound Chlorine
- Total Chlorine
- pH
- Temperature
- Redox Potential

Made up of a compact monobloc that includes:

- Colorimeter
- pH meter
- Rxmeter
- Electronic probe thermometer

The case is sold with the following contents:

- Multitest Rx 2001 reading instrument

- DPD1 A-Barchemicals reagent
- DPD 3-Barchemicals reagent
- START Barchemicals reagent
- Temperature probe
- pH probe
- DLC/BNC shielded lead 1m 1

- pH 7 and pH 9 swab solution
- Redox Swab Solution
- Beaker
- Multitest Glass Test-tube
- Nitrates Kit
- Nitrates Kit
- Cyanuric Acid Minikit
- Manual in Italian



Code	Description
078019	MULTITEST RX 2001 PLUS FULL CASE

### REPLACEMENTS FOR MULTITEST RX 2001 PLUS

Code	Description	PACKAGE	UNIT OF MEASURE
078001	DPD 1A REPLACEMENT - Barchemicals	1 PC	PC
078003	DPD 3 REPLACEMENT - Barchemicals	1 PC	PC
078007	START REPLACEMENT - Barchemicals	1 PC	PC
078022	CLORO MENO REPLACEMENT - Barchemicals	1 PC	PC
260204080	pH 4 B0 90 ml BUFFER SOLUTION	1 PC	PC
260204056	pH 7 B0 90 ml BUFFER SOLUTION	1 PC	PC
260204058	pH 9 B0 90 ml BUFFER SOLUTION	1 PC	PC
260204060	Redox SWAB SOLUTION	1 PC	PC
050506002	F21 - B0 1L SWAB SOLUTION	4 pieces	PC
260299076	Electrode pH - Glass - DLG/BNC	1 PC	PC
260299080	Electrode RX - Glass - DLG/BNC	1 PC	PC
050308002	DLG/BNC - 1 M SHIELDED LEAD	1 PC	PC
050308001	DLG/BNC - 2 M SHIELDED LEAD	1 PC	PC
050308010	DLG/BNC - 5 M SHIELDED LEAD	1 PC	PC

## MEASUREMENT AND ANALYSIS

### TESTER SERIES

Waterproof electronic tester for swimmingpools

Waterproof Microprocessor TESTER.  
Available in the versions for salt (TDS), PH and Chlorine. Device with automatic LCD display.  
IP-57 standard impermeability.



Code	Description
0123156052	ELECTRONIC SALT TESTER (TDS)
0123156053	ELECTRONIC pH TESTER

## COLORIMETRIC STATION REAGENTS



#### START

6.5 pH buffer solution to make the Chlorine reading with DPD comply with the official IRSA method.  
Bottle: 1 L



#### DPD 1 A+B

Reagent for analysing the Chlorine. It is supplied in DRY form. To be dissolved in the connecting thinner. Solution to be prepared on the spot. Bottle: 1 L (1 single-dose powder packet + 1 bott. of solvent)

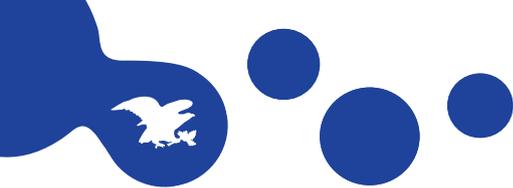


#### DPD 3 A+B

Reagent for analysing Total and Combined Chlorine. It is supplied in DRY form. To be dissolved in the connecting thinner. Solution to be prepared on the spot. Bottle: 1 L (1 bottle of powder + 1 bott. of solvent)



Code	Description
050502012	START REPLACEMENTS x CENTR. BO 1 L - QUADRA - pack. 4 Bott/1l
050502010	DPD1A REPLACEMENTS x CENTR. BO 1 L - QUADRA - pack. 4 Bott/1l
050502014	DPD3 REPLACEMENTS x CENTR. BO 1 L - QUADRA - pack. 2 Bott/1l



## MEASUREMENT AND ANALYSIS

Code	Description
075002	CHLORINE/pH TABLETS POOL TESTER
076020	REPLACEMENT TABLETS DPD1- RAPID- 250 PIECE FOR POOL TESTER
076023	REPLACEMENT TABLETS DPD3- RAPID- 250 PIECE FOR POOL TESTER
076027	REPLACEMENT TABLETS RED pH- RAPID- 250 PIECE FOR POOL TESTER
076025	REPLACEMENT TABLETS DPD4- RAPID- 250 PIECE FOR POOL TESTER
076021	REPLACEMENT TABLETS DPD 1 - for Photometrics - 250 pc. package.
076022	REPLACEMENT TABLETS DPD 3 - for Photometrics - 250 pc. package.
0760026	REPLACEMENT TABLETS PHENOL RED - for Photometrics - 250 pc. package.
076030	BLISTER PACK DPD4 OXYGEN+pH (30+30 tablets) REPLACEMENTS
0123056073	CHLORINE /pH DROPS TEST KIT
0123056072	REPLACEMENT OTO + RED PHENOL DROPS
079001	OTO REPLACEMENT DROPS
079002	REPLACEMENT RED DROPS 15 cc
0123056076	pH/OXYGEN TABLETS TEST KIT
0123056084	pH/BROMINE/CHLORINE TABLETS TEST KIT
050402006	CYANURIC ACID MINI KIT
050502004	CYANURIC ACID REPLACEMENT TABLETS 250 PIECES



Code	Description
05040200	IRON KIT - BARCHEMICALS
05040201	CHLORIDE KIT - BARCHEMICALS
05040202	TOTAL ALKALINITY KIT - BARCHEMICALS
05040210	BOILER ALKALINITY KIT - BARCHEMICALS
05040212	BOILER HARDNESS KIT - BARCHEMICALS
05040204	HARDNESS KIT - BARCHEMICALS
05040206	AMMONIA KIT - BARCHEMICALS
05040207	SILICEOUS KIT - BARCHEMICALS
05040215	NITRATES KIT - BARCHEMICALS
05040214	NITRITES KIT - BARCHEMICALS
05040213	PHOSPHATES KIT 1-20 P - BARCHEMICALS
050402008	PHMB TEST (BIGUANIDE, pH, ALKALINITY)
05040211	CHROMATES KIT - BARCHEMICALS
05040203	SULPHATES KIT - BARCHEMICALS
05040216	pH BOILER KIT 1-11-BARCHEMICALS

Code	Description
440402646	QUANTOFIX - BOX INDICATING PEROXIDES 100 PPM PACKAGE. 100
440402035	QUANTOFIX - BOX INDICATING PEROXIDES 25 PPM PACKAGE. 100



## PRIVATE SWIMMING POOL HANDBOOK

Ideal levels:

**pH: 7.0-7.4**

**Active Free Chlorine: 1.2 -1.5 p.p.m.(mg/L)**

**Combined or bound chlorine: max 0.4 p.p.m. (mg/L)**

### ORDINARY INTERVENTION AT THE START OF THE SEASON

#### a) Initial chemical treatments

1. Complete emptying of the pool.
2. In-depth cleaning of the walls and bottom of the swimming pool using specific products: MAGO
3. Cleaning the black ring that forms around the pool edge due to the greases on the water's surface and in the water itself (DETERPOOL).
4. Initial ALGICIDE impact treatments to be performed on the pool walls using an algicide with powerful biocide action (EXPOSAN RB1). The aim of this operation is to kill the "roots" of the algae nestling on the pool's walls.
5. Go ahead with filling up the pool WITH DRINKING WATER.
6. Correct the pH by bringing it to optimal levels of 7.0-7.4.
7. Initial impact treatment on the new water: this way the level of active Free Chlorine is brought to a level such that it ensures safe disinfection of all the water in the pool including the distribution network. Treatment to be carried out with specially designed and formulated products (OXICLOR 10 and EXPOSAN RB1).

#### b) Maintenance of the filtering plant

Filter control:

QUARZIFERA/BIOVITRUM/VERTROSFERA SAND FILTERS: after opening them, check the level and how clean the sand is. If the Quarzifera sand is packed you need to act in 2 different ways:

1. If the packing density is not significant, it can be fully washed with a product specially designed for this purpose (BLU FILTER CLEANER).
2. If, however, the packing density is significant, then all the sand has to be removed and replaced with

new or with another more suitable half filter like Vetrosfera or BioVitrum Ag.

Furthermore, check that the inside the filter itself is in good condition without the presence of ferruginous deposits that could be dangerous spots for micro-organism nesting.

DIATOM FILTERS: check the cleaning status and integrity of the filtering apparatus and if necessary wash the socks and renew the diatoms.

#### c) The pool is ready...

1. Stabilisation of the parameters of the ideal levels to allow water to have conditions that ensure proper effectiveness against bacteria and make it increasingly more crystalline and transparent.
2. Once the pool is operational, keep up the above mentioned optimal levels of Chlorine and pH by using Chlorine based products (BICLOR 63 – TRICLOR 90 - HTH) and buffered and formulated pH correctors (Buffered EXPO pH - NEW BLU).
3. Check the parameters using the appropriate, colorimetric type optical or photometric systems, such as, for example, the POOL TESTER, MULTITEST COOL POOL TESTER or the MULTITEST RX 2001
4. Algicides: weekly up keep doses (EXPOSAN RB1, EXPOSAN C91).
5. Alternate different algicide molecules in order to prevent acquired resistance phenomena (EXPOSAN C91, alternated with EXPOSAN RB1).

In the event of problems regarding the aspect of water during the summer period, see Practical Advice.

#### d) Disinfecting hard surfaces

To disinfect hard surfaces adjoining the pool where people walk in their bare feet, we recommend the use of polyquaternary ammonia salt based products (PERFUMEND ERGOSAN).

## CLOSING THE POOL

At the end of the season, close the pool as follows:

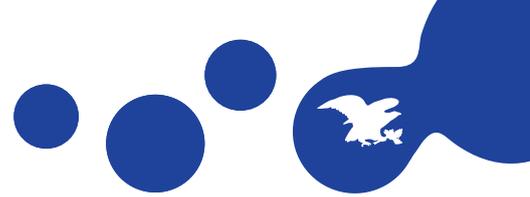
1. The pool has to be operational. Don't turn off the recirculation pumps or close the valves that regulate the introduction and water withdrawal from the pool.
2. Position the selector valve located near the "Recirculation" filter. This operation aims to speed up the efficiency of the treatments that will be made
3. Check that the quality of the water is visibly good, crystalline water and that it excels from a bacteriological point of view. If this is not the case, then disinfect with OXICLOR 10 EVOLUTION as well as follow the procedure given above
4. When the water is healthy, proceed with the introduction of a Wintering product (WINTER P), required to maintain the Carbonates in solution. This way you prevent the deposition and layering of limescale on the pool walls which would result in the formation of a layer of limescale that would be difficult to remove when the pool is re-opened. Furthermore, this layer of limescale is an excellent aid to the formation of algae. Dose = 1l every 10 cubic metres of water.
5. Introduce an algaecide as well, that has a powerful biocide action (EXPOSAN RB1 or EXPOSAN C91) to prevent the formation of Algae. Dose = 0.5l every 10 cubic metres of water.
6. Leave the pool running for about 2 hours.
7. Now turn off the recirculation pumps and close all the valves, before the pumps and after the filters. Unscrew and remove the upper cover on the filters; open the stopper at the bottom of the filters so that the water inside can drain out. This operation is essential for preventing the formation of bacterial sacks between the cavity walls in the quartz sand during winter closure.
8. Dismantle the recirculation pumps from the circuit, empty them and leave them to the side after they have been cleaned carefully.
9. Lower the level of water in the pool to under the skimmers.
10. If there is one, place the winter cover over or close the floating roller shutter.

## IDEAL LEVELS FOR BROMINE SWIMMING POOLS :

- **pH: 7,0-7,4**
- **Bromine: 1,5 - 2,00 ppm (mg/l)**

## IDEAL LEVELS FOR OXYGEN SWIMMING POOLS :

- **pH: 7,0-7,4**
- **Oxygen: 30 - 100 ppm (mg/l)**



## HANDBOOK OF PRACTICAL ADVICE

PROBLEM	CAUSE	ACTION
Opaque water	IS generally due to a pH that is too high or to the accumulation of colloidal substances.	Bring the pH level to 7.2 (EXPO pH NEW BLU) and check the filtration is working properly. Go ahead to a break-point with OXICLOR 10 EVOLUTION.
Water that is green but transparent and walls with brown marks	IS due to Iron in solution and Manganese	Bring the pH level to between 7.6 -7.8, add CONTROL METAL RX and filter for a few days without lowering the pH.
Green, opaque water.	IS due to an algae attack.	Bring the pH to the level of 7.2. Go ahead with a super-chlorination with OXICLOR 10 EVOLUTION and a manual dose with EXPOSAN C91.
High pH.	IS due to an accumulation of basic substances.	Bring the pH back to a level of 7.2 with EXPO pH NEW BLU
Low pH	IS due to an accumulation of acidic substances.	Bring the pH back to a level of 7.2 with EXPO pH PLUS.
Water smelling of Chlorine.	IS due to an excess of bound Chlorine.	Go ahead with a super-chlorination with OXICLOR 10 EVOLUTION.
Algae on the bottom and on the walls	Probable causes are: Too little anti-algae, poor chlorination or poor water circulation	Bring the pH to a level of 7.2. Go ahead with super-chlorination with OXICLOR 10 EVOLUTION and simultaneously add an initial dose of EXPOSAN RB1. If possible, brush down the walls.

## GENERAL SALES CONDITIONS

Pursuant to Art. 1469 bis c.c., the parties, after ample discussion and negotiations, declare to regulate the ongoing rapport as in the past according to the following terms and conditions, which will be applied equally to all supplies and/or commercial interaction entered into between the parties in the future.

**1. ORDERS - BUYER INSOLVENCY** – 1.1.) The purchaser's order has the value of an irrevocable purchase offer and is not binding for the seller, which reserves the right to accept it in writing directly or through a legal representative. The sales agreement will be considered fulfilled only upon receipt by the purchaser of the order confirmation by the seller's legal representative. 1.2) Upon the seller's acceptance of the order, the agreement is considered closed and, in the event that the goods are not collected, the purchaser will be considered insolvent and, as a result, will be liable to pay a fee equal to 50% the amount of the invoice, without prejudice to greater damages. The agreement will be considered fulfilled even in the event of partial acceptance of the order, so that the failed collection of the goods will entitle the seller to demand the fee described in the above paragraph, to be calculated on the lower amount of the invoice. 1.3) Any specific agreement relative to the supply mentioned in this order and under the terms of delivery, even if with the participation of agents or those appointed by the seller, cannot bind the latter unless expressly accepted in writing by their legal representative. 1.4) The total and/or partial fulfilment of the order by the seller implies acceptance of the order. 1.5) The purchaser has absolutely no right to withdraw unilaterally from the order or contract. 1.6) If, once the order has been confirmed, the seller becomes aware of unpaid bills, confiscations, restraint orders or any judicial acts in general in the name of the purchaser, or if the seller learns that the purchaser is in financial difficulty, the seller can, if they wish, suspend the contract and demand certain guarantees, or dissolve the contract due to its breach by the purchaser, under art. 1456 of the civil code, communicating this in writing with return receipt or telegram. The exercise of this faculty does not give the purchaser any right to claim reimbursement of damages or other. 1.7) The minimum order accepted is of € 250.00 + V.A.T.

**2. PRICES AND PAYMENTS** – 2.1.) The sales price, where unspecified, is the one found in the seller's price list in vigour on the date the contract is finalised. 2.2) Should the purchaser fail to receive the products when they are ready for delivery, or their preparation and delivery were not possible for reasons of no fault of the seller, the prices, if not already foreseen in the order, will be subject to variations in the seller's price list and, in any case, to the variation of the cost of material and manual labour used from the time the goods have been prepared up until the moment of collection by the buyer or acceptance of the delivery. 2.3) Taxes, duties and expenses relative to the emission of bills of exchange or any regularisation of the contract, are at the purchaser's expense. 2.4) Payments must always be made in accordance with the terms and conditions agreed upon, in Euro, in cash and at the seller's headquarters. It is at the seller's discretion whether or not to accept promissory notes and cheques, or authorise drafts or issue bank receipts. This, however, does not bring about under any circumstances, either novation of the original credit, nor any prejudices towards any title retention agreement, nor territorial change in the event of a legal dispute. 2.5) Payments made to seller's agents will not be accepted unless previously authorised by the seller in writing. 2.6) Late payment sees interest mature at a rate foreseen under art. 5 of the Legislative Decree 231/2002 effective pursuant to art. 4 of the same Leg. Decree. 2.7) Any amounts unpaid by the purchaser authorise the seller to instruct immediately a legal representative to proceed to the collection of the outstanding balance, plus legal fees.

**3. DELIVERY** – 3.1.) The delivery terms are indicative and apply from the moment when all the points in the contract have been supplied and defined irrevocably, provided that the purchaser has punctually paid the instalments due. 3.2) If there are any outstanding payments, even ones relating to previous supplies, the seller has the right to suspend the implementation of the contract until payment has been made and sufficient guarantee has been given on payments due. 3.3) Delivery is carried out on weekdays and can be sufficiently postponed due to events beyond the seller's control such as strikes, trade union action, lockouts, fires, flooding, rejection of material or work, delayed delivery by third party suppliers, lack of driving force and other unforeseen events. Whatever the situation, delays caused in delivery cannot lead to any form of legal claim. 3.4) The seller has the right to make partial deliveries. 3.5) Delivery is regarded as having been completed in all its terms at the seller's headquarters on the twentieth day after delivery of the return receipt in which the seller notifies the purchaser that the products are ready. From that moment onwards, all risks to the goods become the responsibility of the purchaser and they will also be charged for storage, safekeeping, maintenance and insurance. After twenty days have elapsed since delivery of the above mentioned return receipt and if the client has not picked up the products, or the seller has been unable to deliver them, the seller has the right to sell the goods at the purchaser's expense, under art 1515 of the Civil Code.

**4. CHANGES TO THE PRODUCTS** – 4.1.) All the data and characteristics contained in the seller's catalogues, price lists, illustrations, drawings, offers and advertising material in general are entirely approximate and do not bind the seller in any way. All the photographs that appear in the catalogue are only explanatory and so no compensation will be paid for delivered material that is different from the images. 4.2) The seller reserves the right to make changes to the products where necessary, without any obligation to warn the purchaser, as long as the product's functions remain the same. 4.3) After the order has been placed, the seller is not obliged to make any changes to goods already produced, or in the course of production, that are destined for the purchaser.

**5. PROHIBITED ACTION** – 5.1.) Under no condition can the purchaser take legal action against the seller unless all the payments foreseen in the contract have been met. 5.2) From the outset, the purchaser hereby declares that no request for damages or expenses incurred from improper use of the goods, or damage that occurred during the period of time they were waiting for an authorised replacement of the goods, for the goods themselves or for their replacement, can be made.

**6. SHIPPING AND LOGISTICS** – 6.1.) Goods travel at the purchaser's risk. 6.2) Goods are intended always as sold at the seller's facility and delivered via a customer's means of transport or appointed courier. Any search for a means of transport undertaken by the seller is meant to be on behalf and in the interest of the purchaser, with no liability and/or cost for the seller. Any inclusion in the sales price of transport costs or the agreement "collection at source" does not constitute an exception to this clause. Any losses, faults, alterations of the goods and packaging for any reason are the responsibility of the customer, including in the event that, upon the logistics operator's request, the seller has to issue warranty statements. 6.3) The customer may not refuse to release the goods in transit for any reason. 6.4) When the purchaser does not specify the transport means in time, this will be selected by the seller without any responsibility being incurred by the latter. 6.5) Any delivery carried out by the purchaser for contested

goods, to be replaced on prior authorisation, must be done carriage free to the seller's factory and where the contrary occurs, the seller will have the right to refuse reception with no responsibility incurred.

**7. TESTS - PRODUCT FAULTS – WARRANTY – 7.1.)** The purchaser will be responsible for any damage or harm to the seller's testers or third-parties, while tests are being carried out, unless testing is carried out at the seller's factory. 7.2) The test will be carried out on delivery; if it should be delayed due to the fault of the purchaser, the subsequent test will have to be paid for in advance covering travel, labour and transfer costs. On completion of the test, the purchaser is obliged to issue the seller with a written declaration showing the results obtained. In the absence of this declaration, the goods sold will be regarded as having been accepted unconditionally and without reserve. 7.3) If the goods do not have to be subject to testing, when the goods are delivered, the purchaser will have to diligently check that there are no faults. 7.4) Any faults should be reported to the seller via registered mail with return receipt within eight days, which start from a) when the test is carried out; b) if no test has to be carried out, from the delivery date; c) if they are faults that were not detectable at the moment of testing or when the above mentioned checks were run, from the moment they are discovered. Failure to comply with the above mentioned terms will result in the warranty becoming null and void. 7.5) All the seller's products are guaranteed free from manufacturing faults, according to current European and Italian regulations, or according to the additional warranties acknowledged by the producer. The seller's product warranty includes only and exclusively the repair or replacement of faulty parts at the seller's factory, without granting any refunds or other expenses; the warranty becomes null if the faults are found to be due improper use of the goods, or if the seller's products have been handled, repaired or altered outside the seller's factory, or if they have been installed with materials or procedures that do not comply with REGULATIONS. 7.6) The party that declares the existence of a factory fault will have to provide proof that the product has been used properly and, in this case, that it has been correctly installed. 7.7) The cost of replacement and re-sending of faulty material will be at the purchaser's expense. 7.8) It is understood by the parties that in any case the communication of faults of the seller's products do not authorise in any way the purchaser to suspend payment of the seller's invoices.

**8. TITLE RETENTION AGREEMENT – 8.1.)** In the case of a hire purchase sale, the goods will remain the property of the seller until the purchaser has completed all the payments and will be able to be claimed wherever it may be, even if it is combined with other goods belonging to the purchaser or third parties, in compliance with art. 1523 and subsequent amendments to the civil code. 8.2) During the said period, the purchaser shall assume the obligations and responsibilities of keeper of the items supplied, and shall not be entitled to transfer, lend, pledge or move them, or allow them to be confiscated or distrained, without declaring that they are the property of the vendor and without immediately notifying the vendor by registered letter with return receipt.

**9. NON FULFILMENT BY PURCHASER - DISSOLUTION OF THE CONTRACT – 9.1.)** Failure to make two payments, even if not consecutively, of the price agreed at the time established, will lead to the purchaser forfeiting the benefit of the term and the seller exercising the right to suspend all deliveries not yet completed and/or take measures to obtain the entire outstanding sum, or the dissolution of the agreement and/or of any other sales agreement in force between the parties, under art. 1456 of the civil code, to be notified in writing via registered letter with return receipt. 9.2) Under the second hypothesis, the purchaser will need to immediately return the goods, and will have to pay a penalty of €50 per day for each day of delay in returning the goods. 9.3) The compensation for the greater damage is without prejudice and the seller will also be entitled to withhold the payments already made as a form of compensation, with the exception of larger damages incurred.

**10. TRANSFER OF CREDIT – 10.1.)** The purchaser declares that they accept from the outset, under art. 1264 of the civil code, any transfer of credit owed by the seller to the factoring agency or similar, expressly exonerating them from any other burden of notification, except to confirm that transfer has occurred, via registered letter with return receipt.

**11. COMPLAINTS - COMMUNICATION – 11.1.)** Any complaints must be made at the seller's headquarters. For the purposes of the order and subsequent contract, the purchaser declares their residence at the address shown on the front cover of the order itself and all communication will be sent to this address, or to a different legal headquarters, at the seller's discretion. 11.2) In any case, the purchaser will have to communicate to the seller any other change of contact details and addresses within 15 days of the change.

**12. APPLICABLE LAW AND COMPETENT COURT OF JURISDICTION – 12.1.)** Regardless of the purchaser's nationality and residency, this agreement is subject to the jurisdiction of the Italian Judge. 12.2) The sole competent authority in the event of any dispute shall be the Justice of the Peace or the Court of Modena, according to value. 12.3) It will, however, be the seller's right to elect of their choice, other legally recognised, competent Forums.

**13. PERSONAL DATA HANDLING – 13.1.)** Pursuant to Art. 10 of law No. 675 of 31/12/1996, your personal data may be subject to handling, meaning the collection, entering, organisation, storage, processing, modification, selection, extraction, comparison, use, interconnection, block, communication, distribution, deletion and destruction or any combination of two or more of the above. 13.2) These personal data will be handled for the following purposes: Administration, accounting, taxation, statistics, commercial, marketing, protection/management/transfer of credit, and to meet all requirements of the regulations in force and for the financial evaluation related to the proper fulfilment of the agreement. 13.3) Personal data will be handled with tools that ensure their safety and confidentiality, either in hard copy or digital format. Please be informed that with reference to the above mentioned handling, you are entitled to exercise the rights described in Art. 13 of law No. 675/96 as follows. 13.4) Your data may be communicated and distributed to the following: § Sales agents, suppliers, customers, couriers and logistics operators, collaborators, commercial and marketing companies and organisations; § Credit institutions, financing institutions, leasing companies, credit collectors, factoring companies, insurance companies, intermediation companies; § Professional firms (legal and commercial), organizations of consulting processing, statistics company; § Our subsidiary, partner or companies associated in any way. 13.5) The personal data may be communicated and Transferred even abroad, in accordance with the provisions of the law. 13.6) The company declares to have viewed the information contained herein and in Art. 13 of law No. 675/96 and to express its consent to the handling of personal data for the purposes indicated in the same. 13.7) It also declares to express its consent to the communication and distribution of data for the purposes described above, including for the commercial and marketing purposes of undetermined parties.







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