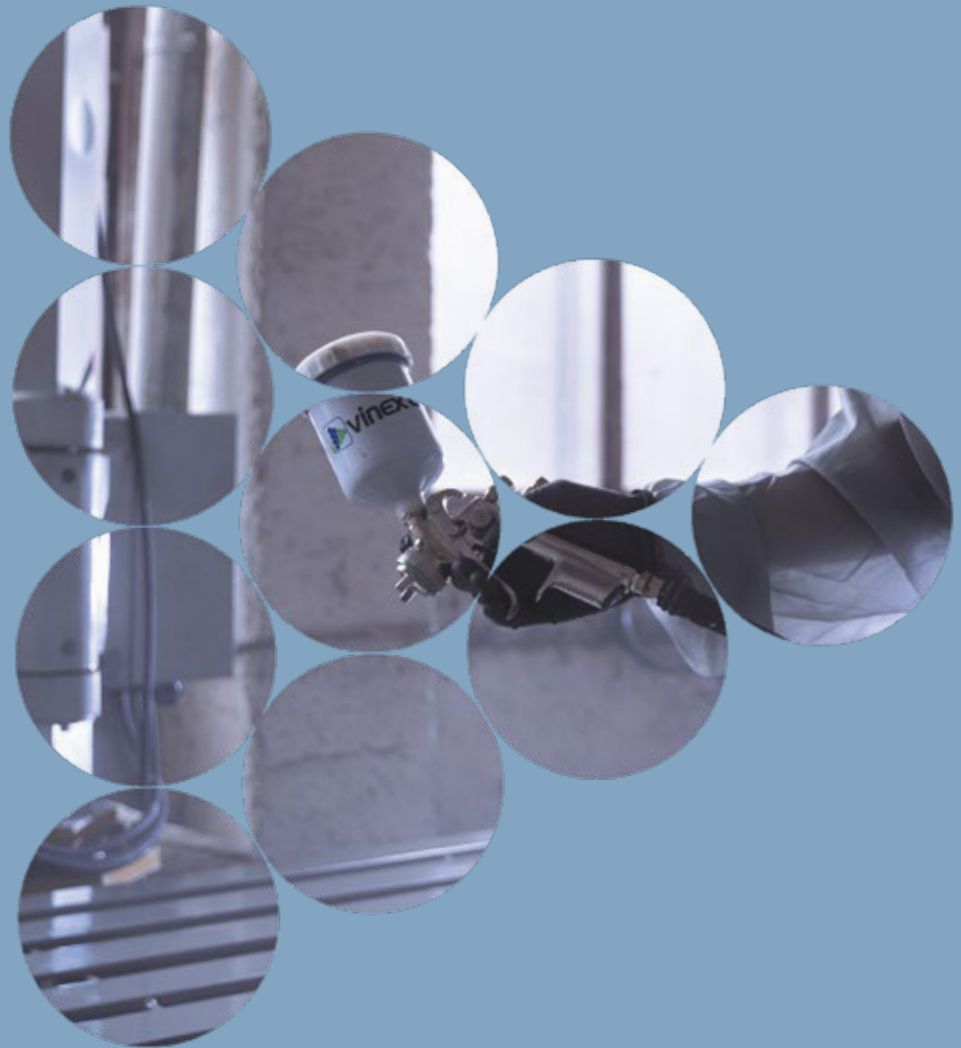


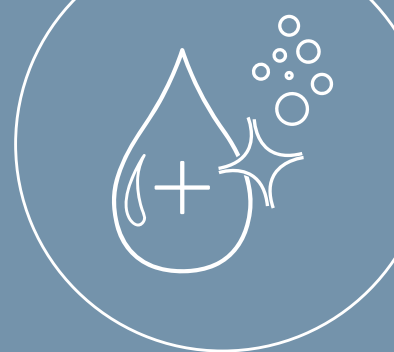


CLEANING & SANITIZATION



SEE MORE

CLEANING & SANITISATION *#CLEAN*



ALKALINE CLEANING

Next Dek

DO YOU NEED TO USE A "SODA-BASED" ALKALINE DETERGENT?

Caustic soda remains essential for the food and beverage sector. This is a concentrated alkaline product which, in addition to its very high causticity, has strong wetting and sequestering properties, making rinsing easier without leaving residues.

Next Dek Liquid

ARE YOU LOOKING FOR A HIGHLY CONCENTRATED, LOW-FOAMING, LIQUID CAUSTIC DETERGENT?

Concentrated and effective, it is suitable for cleaning tanks, piping, equipment and CIP systems, both closed-loop and single-use. It is one of our flagship products: a formulation that provides easy rinsing, very low foaming and no residues.

Next Eco Dek Liquid

WANT TO SAVE WATER, REDUCE WASTEWATER LOAD AND IMPROVE SUSTAINABILITY?

Unlike standard products on the market, it contains neither EDTA nor phosphonates, which are non-biodegradable and therefore highly polluting. Thanks to its formulation, which combines the action of caustic soda and caustic potash, blended with plant-based surfactant, it is more effective and rinses faster than a standard soda-based alkaline detergent, helping you save both water and time.



Next Dek Foam

DIFFICULT-TO-CLEAN AREAS INSIDE TANKS, ON THE OUTSIDE TANKS AND BOTTLING LINES, OR PARTICULARLY STUBBORN SOIL?

Here is a soda-based alkaline foam detergent, ideal for vertical surfaces and particularly difficult-to-clean areas, such as cooling plates and valves/pipes inside tanks, the exterior of bottling lines and bottle-warming tunnels.

Caustic Soda - Liquid and Flakes

Base products available in various concentrations and packaging formats.

ACID CLEANING

Next Acid FX

Low-foaming acid descaler. Useful for removing inorganic residues from tanks and piping, ideal also for CIP systems. It removes limescale deposits and leaves stainless steel bright.

Next Acid Foam

Foaming acid descaler ideal for vertical surfaces, the exterior of bottling lines and bottle-warming tunnels. Eliminates limescale deposits with ease even in the difficult to access places. Just let it work and the rinse.

ENZYMATIC DETERGENTS

Next Dek Zyme

Enzymatic detergent for cleaning filters and membranes. Liquid enzyme-based detergent for deep cleaning of all types of membranes used in the food, dairy, and beverage bottling industries (UF, MF, NF, RO).

Also effective for fillers and pipelines.



DETERGENTS FOR MICROFILTRATION AND ULTRAFILTRATION MEMBRANES, TANGENTIAL FLOW FILTERS AND REVERSE OSMOSIS SYSTEMS

Next Dek Alkaline UF

NEW FORMULATION

Specific alkaline detergent for ultrafiltration and microfiltration membranes and cross-flow filters.

Next Dek Acid UF

NEW FORMULATION

Strong acid-based product. Specifically designed for intensive cleaning of ultrafiltration and microfiltration membranes. Suitable for removing residues of inorganic origin and limescale. Suitable for cleaning membrane filtration systems.

Next Zyme UF

Enzymatic detergent for filters and membranes. Particularly effective against colloids and cellulose-based molecules, with a specific action for restoring reverse osmosis, nanofiltration and ultrafiltration membranes.

Next Boost

SPECIFIC ADDITIVE FOR ALKALINE SOLUTIONS

Specific coadjuvant for alkaline washing solutions. Improves detergent effectiveness in removing resistant organic soil. Suitable for cleaning membrane filtration systems (particularly cross-flow filters) throughout the food industry.

Next AL-EQO2

Specific alkaline detergent for the hydrophobic membranes of our EquilibriO2. Useful for removing organic substances from the membrane surface. Free from surfactants and sequestering agents.

Next AC-EQO2

Specific acid detergent/sanitiser for hydrophobic membranes of our EquilibriO2. Useful for removing inorganic residues that accumulate on the membrane surface. Free from surfactants and sequestering agents.

CHLORINATED DETERGENTS

Next San Plus

VUOI DETERGERE E SANIFICARE IN UN PASSAGGIO UNICO?

Liquid alkaline chlorinated formulation designed for superior cleaning performance.

Highly effective in both manual and automated washing systems. Powerful performance and excellent value.

Next San Foam

WANT TO CLEAN AND SANITISE HARD-TO-REACH SURFACES OR THE EXTERNAL WALLS OF TANKS AND BOTTLING LINES IN A SINGLE STEP?

Chlorinated alkaline foaming formulation, ideal for cleaning, whitening and sanitising all in one.

SANITISERS

Next PerOx

PERACETIC ACID AND HYDROGEN PEROXIDE

NEED CONSTANT SANITISATION FOR YOUR BOTTLING LINE? NO COMPROMISES ON HYGIENE?

Peracetic acid and hydrogen peroxide-based solution. It maintains a high concentration of active ingredients for a long time. It provides the sanitisation you need for your tanks and bottling line.

Next OXY CITR

PERCITRIC ACID

NEED AN ODOUR-FREE SANITISER?

Percitric acid-based solution. Suitable for daily sanitisation treatments. Useful also as for neutralising after the alkaline detergent and caustic soda.

HYDROGEN Peroxide

Basic product, hydrogen peroxide available in various concentrations. Supplied in cans, drums and IBCs.

SODIUM Hypochlorite

Basic liquid product available in various concentrations. Supplied in cans, drums, and IBCs.

Next BiOx®

Chlorine dioxide-based sanitiser.





WHAT IS IT?

Next BiOx® is a liquid stock solution, 99.9% pure and stable at 0.3%: simply dilute it in water to obtain the required working concentration. It does not require generators, which can be unstable and costly; it can be dosed into the water system using simple pumps and stored safely. Its handling is comparable to sodium/calcium hypochlorite and chlorine-based derivatives.

CHLORINE DIOXIDE IS NOT CHLORINE

Chlorine dioxide differs from chlorine both in its chemical structure and in its reaction mechanism. Used for water potabilisation since 1943, it acts by oxidation: it breaks down cell membranes and reacts with amino acids.

It is also effective against viruses — by inhibiting protein synthesis — and protozoa, at lower concentrations than other disinfectants. Compared with chlorine, it reduces the risks associated with microbial and chemical contamination, generates very few by-products and is up to 2.5 times more effective across a broad spectrum, requiring lower doses and shorter contact times.

- **BY-PRODUCTS:** its high purity almost completely reduces THMs, chlorites and chlorates, which are typical of chlorine and gas-phase activated chlorine dioxide.
- **BIOFILM:** together with ozone, it is the only molecule capable of breaking down biofilm and preventing its regrowth, one of the main sources of contamination.
- **CORROSIVENESS:** stable concentration at 0.3% — 3,000 mg/L → allowing controlled dosing and low impact on pipework.



	Next BiOx®	Chlorine	Ozone	Peracetic Acid
Biofilm	High eradication level	Poor efficacy	High level	No efficacy
pH Range	Effective from 4 to 10	Effective between 6.5 and 7.5	Not affected	Acetic acid and oxygen
By-products	AOX, chlorites and chlorates in negligible quantities	THMs, AOX, HAAs, chlorites and chlorates in high quantities	None	Decomposes explosively if rapidly heated, non-usable above 30°C
Ammonia	No interference	Reacts, forming chloramines	Degrades it within certain limits	Does not react
Efficacy	High biocidal power; virucidal, sporicidal, algicidal and fungicidal action	Discrete biocidal action; poor virucidal activity and low algicidal activity at high concentrations	High biocidal power; virucidal, sporicidal, algicidal and fungicidal action	Biocidal action only at high concentration
Corrosion	Low level	High level	High level in gaseous phase, low level as ozonated water	High level, also on stainless steel
Stability in water	Up to 72 hours at temperatures below 45°C	Up to 6 hours at temperatures below 30°C	Minimal, a few minutes	Maximum 24 hours in water at 35°C
Sanitisation time	1–10 minutes	30–60 minutes	In gaseous phase, several hours depending on the volumes treated; as ozonated water, a few minutes	> 10 minutes
After treatment	Tasteless and odourless water	Alters the taste and odour of water	Tasteless and odourless water; improves surrounding air quality	Colourless; with a pungent odour; alters the taste, pH and odour of water

MICROBIOLOGICAL BENEFITS

- Fast and effective biocidal action, active at pH 4 to 10
- Powerful oxidising and disinfecting action, up to 10 times higher than acidified sodium chlorite
- Eliminates biofilm without creating resistance
- Kinetic reduction after the 30th day

ENVIRONMENTAL BENEFITS

- Chlorates/chlorites almost absent
- Lower accumulation of bound chlorine
- Treated water is colourless and odourless
- No formation of trihalomethanes, haloacetic acids, Mutagen-X and AOX

ECONOMIC BENEFITS

- Low volumes and low working concentrations
- No investment in generators
- No changes required to the system, other than the dosing pump
- No additional certification or specialised personnel required

COMPLIANCE

Next BiOx® complies with NSF, USDA and FDA standards in the USA and with European standard EN 12671 for potable water quality. It is also fully compliant with Regulation (EU)

No. 528/2012 on biocides; the product has been notified to ECHA — European Chemicals Agency — with safety and environmental impact assessment.

SOME APPLICATIONS IN WINE, BEER AND BEVERAGE



Applicazione	ppm consigliati di Next BiOx®	Modo di utilizzo
Sanitisation of stainless-steel tanks	10–30 ppm — 0.3–1%	Introduce the diluted solution into the tank to be sanitised and circulate it using the pump in closed loop for at least 10 minutes. Rinse with water. Can also be used with cleaning heads for water saving and hydrojets.
External washing of tanks and floors	15–60 ppm — 0.5–2%	Spray the diluted solution using a pressure washer or hand pump. Wait 2 to 15 minutes depending on the required quantity of dirt. Rinse with water. Use a hydrojet for floor cleaning.
Pipework sanitisation	10–30 ppm — 0.3–1%	Pass the sanitising solution through the pipework. Rinse with water.
BIOFILM removal from pipework and equipment	20–100 ppm — 0.6–3.3%	Soaking or single-use washing; dose and protocol depend on the condition of the equipment.
Disinfection of bottling lines	1–15 ppm — 0.03–0.5%	Soaking or single-use washing; dose and protocol depend on the condition of the equipment. Soaking while the line is stopped/in machine downtime.
Cleaning and sanitisation of cellars and equipment	10–30 ppm — 0.3–1%	Spray and rinse. For optimal results, wait at least 5 minutes before rinsing.
Disinfection of bottles and kegs	10–30 ppm — 0.3–1%	Spray or immersion, then rinse.
Removal of mould from walls and surfaces	30–100 ppm — 1–3.3%	Spray. If the container remains exposed to sunlight for at least 30 minutes, rinsing is not required, as the product is photosensitive.

WATER POTABILISATION

Next BiOx® is already used in both industrial and civil applications as a potabilising agent for water intended for human and animal consumption, as well as for use as an ingredient in the food sector. Thanks to its powerful biocidal action and its ability to oxidise metals — particularly iron and manganese — it ensures pure, sanitised water that complies with Italian and European regulations. It is suitable for the treatment of well water, tank water or mains water, including water that does not meet production requirements. It can be dosed using VINEXT systems, which can be sized according to requirements and monitored remotely.

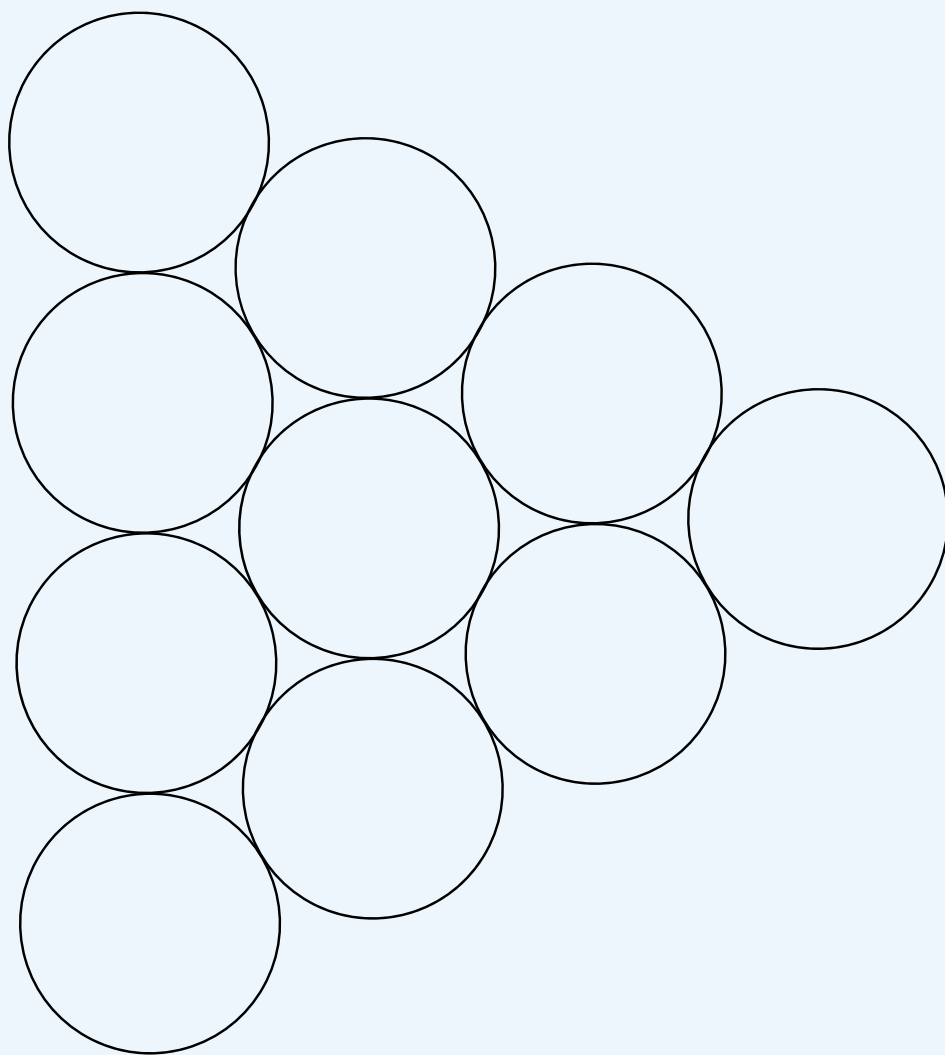
WASTEWATER TREATMENT

Next BiOx® is effective in wastewater treatment, reducing the microbial load before discharge into the sewer system or into surface waters. It can reduce BOD by up to 70% and COD by up to 50%, lower bacterial load and oxidise metals, making them easier to remove. It also mitigates unpleasant odours from sludge, improving the quality of discharge into the public sewer network and/or surface water bodies.

APPLICATIONS IN THE FOOD AND FRUIT & VEGETABLE SECTORS

Applicazione	Metodo	Dose*
Slaughterhouses	Sanitisation of carcasses and cutting lines	200 ppm applied 10–12 minutes before evisceration
	Meat sanitisation	200 ppm/kg of meat; spray the solution
Poultry	Drinking water	Dose and contact time depend on the specific application
	Egg handling and storage areas	
	Nursery and hatching areas	
	Egg disinfection	
	Carcass sanitisation	
	Slaughterhouse disinfection	
Fish sector	Farming: tanks, feed disinfection, algae prevention	0.1 ppm in water; 20 ppm for tank cleaning
	Water for ice production	0.3 ppm
	Surfaces in fish markets	20 ppm
	Water for carcass cleaning	0.2 ppm
Fruit & vegetable sector	Washing tanks and bin unloading	Permanent residue between 0.2 and 0.5 ppm; dosage and contact time depend on the microbiological load of the incoming product
	Handling surfaces	5 ppm
Pasta, bakery and pastry products	Equipment sanitisation	10–30 ppm — 0.3–1%
	Sanitisation of hoppers, cutters and blades	2–10 ppm — 0.05–0.3%
	Sanitisation of workbenches and surfaces	2–10 ppm — 0.05–0.3%
	Floor sanitisation	15–60 ppm — 0.5–2%
Greenhouses	Internal structures, drip trays, pots, cloths and trolleys	5–25 ppm depending on the type of equipment/surface
	Continuous misting for the control of pathogens and spores	10 ppm max

* Dosages and contact times should be customised according to the customer's specific requirements.



Viale del Lavoro, 44
37036 S. Martino B. A. (VR)

Phone +39 045 85 81 990
E-mail info@vinext.it

www.vinext.it

