LANXESS
Energizing Chemistry

Microbial Control Portfolio for Water Treatment in Europe

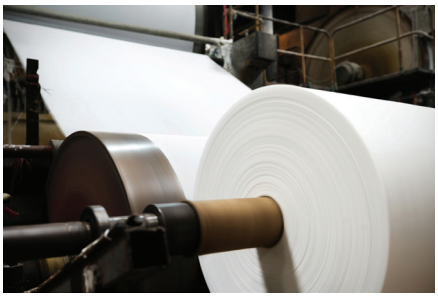
Aquacar® Kathon® Preventol® Oxone™

Our broad portfolio of microbial control products for Europe provides comprehensive solutions for the prevention and remediation of water contaminants. Whether caused by microbes or chemicals, we offer the appropriate treatment solution to mitigate their effects.

Cooling Water

Membrane Antifouling

Pulp & Paper



Water provides an ideal environment for microbial growth. Our product portfolio includes a wide range of options specifically designed to control the growth and proliferation of bacteria, algae, and fungi in bulk water, as well as biofilms. Left untreated, these microorganisms may lead to operational inefficiencies, microbiologically induced corrosion (MIC) and health risks.

Our water treatment technologies are effective against a broad spectrum of microorganisms over a wide range of conditions. They are compatible with other water treatment chemicals and effective in a variety of water-intensive applications and systems, such as cooling water systems, membrane filtration, paper manufacturing, as well as municipal and potable water.

In addition to the key products highlighted in Table 1, there are further options available for water treatment. These offerings differ in composition and regulatory approvals, including biocidal products formulated with multiple active substances highly specific to region and application. Key examples in Europe are Preventol® P 91 (bronopol and CMIT/MIT) and Preventol® DP 1021 (DGH and bronopol).

LANXESS is a global leader in support and advocacy of sustainable and responsible microbial control technologies. Based on our extensive experience and knowledge of biocidal regulations, we play a key role in the regulatory support of actives, products and applications.

In many countries, biocides may only be sold if they have been previously registered with and approved by the authority following a complex process. In Europe, for example, LANXESS ensures marketability by registering biocidal active substances and products in accordance with the Biocidal Products Regulation (BPR).

We support a significant number of active substances and biocidal products from our large product portfolio, based on extensive data packages. Our technical and regulatory experts can support you with the use of our biocidal products and with your registrations based on our ingredients. LANXESS local service laboratories can assist with microbiological and chemical testing as well as with application development.

Our worldwide regulatory and technical experts look forward to supporting you to find the most suitable solution for your needs.

The following table shows key product options and key features and benefits for water applications by active substance:

Table 1: Our portfolio overview

Chemistry and Product Name*		Active Ingredient	Key Features and Benefits
Glutaraldehyde CAS 111-30-8	Aqucar® GA 50	50 %	■ Very broad microbial control spectrum: bacteria (including slime-forming and anaerobic), spores, yeast, fungi, algae, protozoa, etc. ■ High compatibility with equipment and additives ■ High performance in anaerobic conditions ■ Fast speed of action ■ Readily biodegradable
	Klarix® GA 50		
	Aqucar® GA 24	24 %	
	Klarix® GA 24		
	Aqucar® GA 135	13.5 %	
	Klarix® GA 135		
DBNPA CAS 10222-01-2	Aqucar® DB 100	100 %	■ Very fast acting, unique curative treatment options ■ High compatibility with equipment and additives, including membranes ■ Broad-spectrum control of bacteria (including slime-forming and Legionella), fungi, yeast, cyanobacteria and algae
	Aqucar® DB 20	20 %	
Bronopol CAS 52-51-7	Aqucar® BP 100	100 %	■ Attractive balance of speed of action and length of protection, providing high preservation performance ■ Broad-spectrum bacterial efficacy (including slime-forming and anaerobic) ■ High compatibility with equipment and additives ■ Highly complementary with other active substances
	Preventol® P 100		
	Preventol® P 30	30 %	
	Preventol® P 72 W	14 %	
CMIT/MIT CAS 55965-84-9	Kathon® WT	14 %	■ Broad-spectrum performance: bacteria (including slime-forming and Legionella), yeast, fungi ■ Rapid inhibition of microbial growth and enzyme synthesis ■ Attractive balance of speed of action and length of protection, providing high preservation performance ■ High compatibility with equipment and additives, including membranes ■ Effective at very low concentrations, resulting in attractive cost-to-treat ■ Readily biodegradable ■ Broad range of product offerings, differing in solvent, dilution and stabilization
	Kathon® CF 1400		
	Kathon® LX 1400		
	Klarix® CM 14		
	Preventol® IT 14		
	Preventol® IT 14 MV		
	Preventol® D 7 Plus	2.2 %	
	Kathon® WTE	1.5 %	
	Kathon® CF 150		
	Preventol® D 7		
	Preventol® D 7 CF		
	Preventol® D 7 LT		
DGH CAS 13590-97-1	N-2000 Antimicrobial	35 %	■ Broad-spectrum performance: bacteria (including Legionella, slime-forming and anaerobic), algae, fungi ■ Effective at very low concentrations ■ High compatibility with equipment and additives ■ Broad pH application range ■ Lower foaming compared to quaternary ammonium compounds
	N-2001 Antimicrobial		
DCOIT CAS 64359-81-5	Klarix® 4000	4.25 %	■ Very strong algicidal performance ■ Fast-acting ■ Rapid degradation
	Aqucar® DC 4P25		
Potassium monopersulfate CAS 70693-62-8	Oxone™ monopersulfate compound	90 %	■ High oxidation power with kinetically fast reactions ■ Chlorine-free and odorless ■ Good safety profile and low environmental impact ■ Easy to transport, store & handle ■ Does not corrode stainless steel

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

Actives/Microbial Control Portfolio for Water Treatment/02.12.24/Europe/V12/G