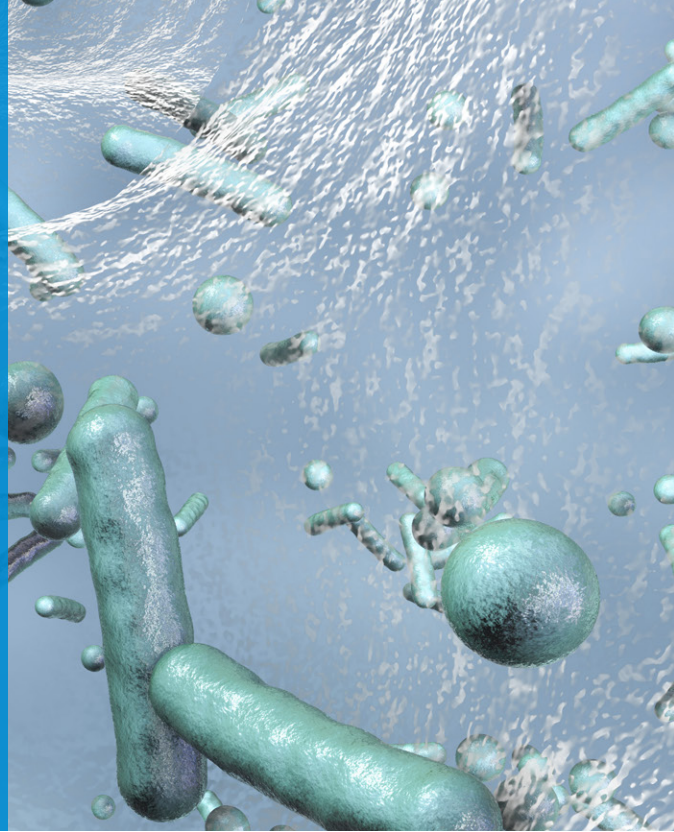


Ecolab Oxonia Active LS

Biofilm: A Big, Slimy Problem

Biofilm – a buildup of microorganisms that adheres and persists on wet surfaces – presents a critical source of pathogenic contamination in personal care product manufacturing lines. Biofilms can form rapidly and are persistent against conventional cleaning and sanitization SOPs – resisting mechanical action, protecting the embedded microorganisms against environmental stressors, and allowing pathogens to tolerate even concentrated antibiotic and antimicrobial exposure.



Risks of Biofilm



Product Quality Issues



Consumer Health & Safety Risks



Product Recalls



Equipment Damage & Operational Issues

Ecolab Oxonia Active LS: Solving the Biofilm Challenge

Ecolab innovation solves the biofilm challenge – ensuring product safety, safeguarding product quality and helping to promote longer equipment life – with a product featuring an EPA-registered biofilm penetration and kill label claim against *Pseudomonas aeruginosa* and *Staphylococcus aureus*.



PENETRATES BIOFILM

Advanced chemistry breaks down the toughest soils and process residues and penetrates the sticky biofilm matrix.



KILLS BIOFILM PATHOGENS

Provides EPA-registered antimicrobial activity against *Pseudomonas aeruginosa* and *Staphylococcus aureus* harbored within biofilms.



ACCELERATES CIP PROTOCOLS

Formulated for efficacy with lower concentration and temperature requirements to increase CIP efficiency.

Ecolab Oxonia Active LS

Addressing Challenges in the Life Sciences Industry

Ecolab Oxonia Active LS provides EPA-registered biofilm disinfection against *Pseudomonas aeruginosa* and *Staphylococcus aureus*, protecting product safety, product quality and equipment life with advanced chemistry formulated to cut through biofilm and kill pathogens.



Non-Food Contact Surfaces

EPA-registered for disinfection of biofilm on hard, non-porous contact surfaces, Oxonia Active LS effectively kills *Pseudomonas aeruginosa* (ATCC 15442) and *Staphylococcus aureus* (ATCC 6538).



Pharmaceutical & Cosmetic Surfaces

As an EPA-registered disinfectant for Pharmaceutical and Cosmetic surfaces, Oxonia Active LS effectively kills *Staphylococcus aureus* (ATCC 6538), *Burkholderia cepacia* (ATCC 25416), and *Salmonella enterica* (ATCC 10708).



Unique Protection Against *Burkholderia cepacia*

Oxonia Active LS protects against the antimicrobial-resistant *Burkholderia cepacia* (ATCC 25416). This pathogenic bacteria is responsible for a large portion of recalls associated with objectionable microorganism standards.

CIP Efficiency to Minimize Downtime

Oxonia Active LS effectively disinfects biofilm bacteria *Pseudomonas aeruginosa* and *Staphylococcus aureus*. Its non-foaming formulation further minimizes clean in place (CIP) cycle time. This enables facilities to achieve a more efficient, cost-effective biofilm mitigation protocol, minimizing impacts on productivity and plant performance.

Non-Corrosive to Protect Surfaces & Equipment

Non-corrosive Oxonia Active LS is safe to use on 304 and 316 stainless steel and aluminum surfaces and is compatible with most plastic and rubber materials.

EPA-Registered Protection Against Biofilm Risks

Ecolab Oxonia Active LS delivers EPA-registered efficacy against two pathogenic organisms found within Biofilms on manufacturing surfaces.



For more information, contact us at ecolab.com/lifesciences