CLEANING & SANITIZATION SOLUTIONS
For Personal Care and Cosmetic Manufacturing Facilities
Ecolab Life Sciences supports personal care manufacturers by delivering a comprehensive, programmatic approach to contamination control, cleaning and disinfection.

Our end-to-end solutions allow you to have safer products and processes, reduce risks, meet regulatory requirements, support compliance initiatives, and realize operational efficiencies and cost savings.

**CLEANING & DISINFECTION PROGRAMS**
We go beyond the right chemistry to clean - we optimize your cleaning program to fit your unique products, cleaning methods, tools and production equipment.

**CLEANING & DISINFECTION VALIDATION SUPPORT**
We provide a suite of documents to support validation and have consultants on staff to minimize complexity and time to implementation.

**TECHNICAL LAB SUPPORT**
We offer our customers laboratory testing to determine the best cleaning procedure for their specific processes & product soils.

**REGULATORY & SCIENTIFIC INSIGHTS**
We can help you navigate the evolving regulatory environment to maintain compliance and pass inspections.

**SITE SURVEYS**
Our Global Technical Consultants are at the ready to evaluate the bottlenecks in your cleaning operations to improve efficiency & efficacy.

**CUSTOMER TRAINING**
We deliver training materials to our customers' staff on new process implementation and safe chemistry handling.
Ecolab provides cleaning solutions to take on the toughest challenges found in every personal care and cosmetic product.

**Understanding the Complexities of Cosmetics and Personal Care Products**

Products manufactured in the personal care industry produce some of the most difficult to remove soils from manufacturing equipment. As a result, these compounds need specialized solutions to support removal and effective cleaning.

**FACE & BODY CARE**
- Hard to clean soils high in oil or fat content that are typically found in creams, waxes and body lotions, as well as high loads of pigments and minerals found in face masks.

**ORAL CARE**
- Residual smells, foaming issues, and pigment removal related to toothpastes and mouthwashes.

**DEODORANT**
- Water or alcohol based products, to solid products with high mineral and active ingredient loads found in a variety of deodorant formulations.

**HIGH MINERAL LOADS**
- Content, such as titanium dioxide, zinc oxide, or silica can leave a residue on equipment surfaces. Although it’s easily wiped away by hand, it can be very difficult to remove chemically due to its inert nature.

**HIGH PIGMENT LOADS**
- Many pigments are created from inorganic materials such as iron oxide. Although they provide beautiful color, they can leave behind soils that are difficult to clean or a thin film of powder on equipment surfaces that is not easily removed chemically.

**WAXY SOILS**
- Large amounts of waxy soils inhibit the effect of aqueous cleaning on the soil due to their hydrophobic nature. As they repel water, a tenacious oily or waxy (fatty) layer can form on the surface of large areas and product can remain behind.

**SILICONE**
- Although some silicones are easily cleaned away, numerous products on the market are formulated to be extremely hydrophobic. This makes for great water-proof products, but makes it hard to clean from equipment surfaces.

**SHOWER & HAIR CARE**
- Complex formulations that include silicones, glitter, pigments and carbomer found in products like shampoos, conditioners and hair dyes.

**COSMETICS**
- High pigment, waterproof and silicone content found in products such as lip glosses, lipsticks and mascaras.

**SUN PROTECTION**
- Hard to clean oil-in-water and waterproof application formulas with high Sun Protection Factor (SPF) levels found in lotions, solids and sprays.
Sanitizers and disinfectants help facilities combat microbes and are designed to achieve specified levels of microbial reduction. Claims may include reduction of bacteria, fungi, viruses, or spores.

**OXONIA™ ACTIVE**
EPA-registered peroxyacetic acid sanitizer that is OMRI certified for use as a hard surface food contact sanitizer in organic processing facilities.

Our core range comprises products and equipment to ensure all day-to-day cleaning, sanitization and disinfection tasks are performed to the highest standard.

### Manual & Foam Cleaning

Manual cleaners are designed to generate stable foam without the aid of any additive. Allowing for increased contact time, leading to effective cleaning.

- **MAXI™ PLONGE**
  Neutral detergent for manual cleaning and foaming applications. Designed for cleaning of removable machine parts, small items (buckets, spatulas, etc.) and manufacturing accessories.

- **MAXI™**
  Alkaline detergent with high surfactant content designed for soaking and foaming applications.

### Circulation Cleaning

Featuring alkaline cleaners designed for use in a wide range of CIP and COP systems, preserving the equipment’s integrity without compromising efficacy.

- **RISIL MAT™**
  Alkaline detergent used for removing stubborn residues. Includes surfactants, water conditioners, chelating agents and soil suspension and dispersion agents for use in CIP systems and manual cleaning applications.

- **MAXI PLUS™**
  Alkaline detergent designed to remove waterproof and complex waxy soils. Works in CIP systems as a one-part cleaning program without the need for additives and suitable for soaking applications.

- **MCL B™**
  Alkaline detergent designed to remove pigmented soils and mineral containing premixes. Works in CIP systems and circuits as a one-part cleaning program without the need for additives. May also be used as a solvent replacement.

- **SP 3™**
  Alkaline detergent with high sequestering power for circuits and processing equipment. Works in CIP systems as a one-part cleaning program and in semi-automatic applications.

### Additives, Boosters & Finishers

Additives, boosters and finishers designed to boost performance of other cleaning solutions, giving an extra edge when cleaning specific soil targets.

- **STABICIP™ OXI**
  Liquid oxygen (oxidizing) cleaning additive used with alkaline and acid CIP detergents for the removal of complex soils.

- **RTI™**
  Renovation agent used for manufacturing equipment tarnished by titanium oxide residues. Suited for use after washing.

- **ANTI-FOAM™ 10**
  Silicone (10%) emulsion food grade defoamer formulated with FDA cleared ingredients. Rapidly disperses for foam control, and suitable for product contact surfaces including CIP systems.

- **SP 3™**
  Alkaline detergent with high sequestering power for circuits and processing equipment. Works in CIP systems as a one-part cleaning program and in semi-automatic applications.

### The Right Chemistry

*To be labeled as a sanitizer or disinfectant, a product must be registered with the appropriate regulatory agencies such as the Environmental Protection Agency (EPA), Biocidal Products Regulation (BPR) and/or the Canadian regulatory authorities.*

**Label claims have been reviewed by these regulatory authorities and must be followed exactly as directed.**
The **Ecolab** Program

Helping you exceed your compliance goals

We aim to provide our customers with a product range designed to comply with the global documentation, manufacturing and compliance standards of the Personal Care industry.

**METHOD FEASIBILITY FOR PERSONAL CARE PRODUCTS**

- Test method guidance for the detection of personal care products via TOC
- Test method guidance for the detection of personal care products via conductivity
- Laboratory scale cleaning trials and field implantation
- Material compatibility test
- Grouping support through cleaning studies

**SUPPORT DOCUMENTATION**

- Technical data Sheet
- Safety data sheet
- Ecological data Sheet
- Toxicological data Sheet
- Certificate of analysis

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**PLEASE SPEAK TO YOUR ECOLAB ACCOUNT MANAGER**

**OR VISIT** [WWW.ECOLAB.COM/LIFESCIENCES](http://WWW.ECOLAB.COM/LIFESCIENCES) **FOR FURTHER INFORMATION**

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**WORLDWIDE HEADQUARTERS**

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