

Only Ecolab delivers Total Plant Assurance across your fresh poultry processing operation.

By taking a holistic view and uncovering complex connections between processes, our team of experts in cleaning and sanitation, antimicrobial treatment solutions, water and wastewater management and pest elimination helps you achieve consistency and results, across your facility and across your enterprise. Our world class service, backed by our industry technical expertise and support services, will help you:

**PRODUCE SAFER**, high quality products that exceed your customer's standards

**CONTINUOUSLY AND MEASURABLY** help improve operational efficiency

**HELP YOU REACH YOUR SUSTAINABILITY GOALS**, including reducing water and energy consumption

**DRIVE CONSISTENCY** across your operations

In fresh poultry processing, food safety and operational efficiency are critical to your success.

Our Total Plant Assurance solutions help reduce and control pathogenic organisms such as Salmonella and Campylobacter, help prevent cross contamination, and reduce cleaning time, decreasing your water consumption and significantly increasing your capacity.

## 2 IN 1 CLEAN & SANITIZE INNOVATION

As part of our continued innovative process, Ecolab is excited to introduce our new 2 in 1 foam chemistries that can perform cleaning and sanitizing in 1 step. This will help drive productivity in reducing cleaning downtime to create more production uptime for the plants. Additionally, the reduced steps will also drive down utility spend for better operational cost efficiency.

### CHALLENGES

#### C&S PROCESS

- Cleaning requires significant amount of time and labor, potentially convert to additional productivity
- Faster cleaning & sanitizing time and process especially in the freezer/IQF area.

#### C&S CREW

- Need preparation time for cleaning and sanitizing
- Need labor allocation for other section

### Topax Duo

is a powerful non-QAC alkaline foam cleaner & sanitizer. It is used for cleaning and removing fat, grease, protein, carbohydrate residues on floors, walls and equipment, including sanitizing processing equipment. It is suitable for the food and beverage industries.

### Topax Duo Plus

is a non-QAC mild-alkaline foam cleaner & sanitizer. It is designed to be compatible with soft metal surface, such as those found in freezer area.



## KEY BENEFITS FOR CUSTOMERS

- 2 in 1 product which combine cleaner & sanitizer
- Excellent cleaning properties for the removal of fat, grease & protein
- Saving water usage
- Not suitable for CIP application
- Faster cleaning time
- Easy step of mixing the chemical to control the concentration
- Having parity or higher cleaning & sanitizing performance with the current program
- Compatible with soft metal



# Where should Topax Duo and Topax Duo Plus be applied?



## Topax Duo Application

**General area in slaughter house or further processing equipment**

- Conveyor belt
- Chiller
- Cutting Table

## Topax Duo Plus Application

**Sensitivity material surface (soft metal area) in the further processing for both food and protein industry**

- Tunnel freezer
- IQF Spiral Freezer


## What types of soils....



**Medium to Heavy Soils - Primary Processing**  
Protein, Blood, Heavy Grease



**Medium to heavy soils - Further Processing**  
Protein from meat, oil, carbohydrate and color from ingredient etc.



**Light to medium soils - FP**  
General protein, carbohydrate, powder, marinate, ingredient soil, oil, etc



## TECHNICAL EXPERTISE & TRAINING

Ecolab will assess your needs, develop a solutions plan and help implement and support advanced solutions.

### OPERATIONAL SUPPORT

- o Custom solutions that meet your intervention goals.
- o Coordinated engineering, technical services and maintenance teams support your operations.

### AUDIT ASSISTANCE

- o Guidance with pre-audit prep work, regulatory compliance, GMP requirements and CCP design.
- o Supports HACCP programs.

### INFRASTRUCTURE ASSESSMENTS

- o Identify high-potential cross contamination points.
- o Support capital planning.
- o Provide intermittent cleaning procedures (SOP) for critical area like cooling units and overhead units.

### ONGOING TRAINING AND SUPPORT

- o Ecolab offers a wide variety of training programs and tools to help improve quality, safety and productivity.

## POSSIBILITIES ACROSS VALUE CHAIN

