Focused Sanitation Solutions for the
POULTRY INDUSTRY

BRAND PROTECTION
- Food Safety
- Operational Efficiency
- Reduced Cost-In-Use

Assure PROGRAM
We understand that ensuring your product stays safe is the foundation of your business. But we also know that efficiency and cost control drive your profitability.

Our SQF and HACCP Educated Food Safety Technicians will partner with you to mitigate risk and stay on track with regulatory compliance while controlling costs.

**Advanced Solutions**
Complete portfolio of superior products and equipment designed for the Food and Beverage Processing Industry

**Focused Expertise**
SQF and HACCP Educated Food Safety Technicians design and support your sanitation and safety programs

**Superior Service**
Our team works to optimize your business – providing everything from in-plant service to GFSI Audit preparation and training.
Helping You Stay Compliant

We bring poultry industry experience, training and a service-oriented approach to your business, working closely with you to solve the most difficult challenges. Zep sanitation experts will partner with you to help improve your food quality and safety programs, train your team members on safe and effective sanitation procedures, and help you stay compliant with the ever-changing regulatory environment and customer audit mandates.

Food Safety & Quality Assurance Program

- GMPs/Sanitation gap assessment audits
- Regulatory review assessments
- Quarterly plant inspection reports
- 3rd party SQF & BRC pre-assessment audits and plant certifications
- Color coded product labels
- Health & Safety wall charts
- Bilingual labels and SDSs

Sanitation Program

- Plant surveys
- Monthly written service and inventory/cost control reports
- Monthly titration reports for chemical dispensing equipment
- 24/7 support availability
- Regular in-plant service visits
- Titration test kit and reagents upkeep
- Quarterly and as needed in-plant customer training
- Custom sanitation training manual and SSOPs
- Master sanitation schedule

Cost Control

- Controlled chemical usage
- Continuous improvement through operational efficiencies
- Zep/Customer reviews of operational and cost performance

Chemical Management

- Audit for proper labeling of chemicals and feed lines
- Audit chemical cage

Equipment & Engineering Services

- Custom made chemical delivery and dilution systems
- Preventative maintenance on chemical feed equipment
Foam Cleaning/Descaling

Foam cleaning is a critical part of the daily sanitation program in food processing operations. Zep's foam cleaners provide:

- Maximized chemical activity on soils and greases due to their superior formulation and increased contact time
- Visual reference to where the chemical has been applied
- Low levels of detergent usage to assist in wastewater management
- Easy rinsing of foam

ALKALINE/CAUSTIC/FOAMING CLEANERS

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Description</th>
<th>Product Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>FS Process Cleaner</td>
<td>Heavy-duty, high foaming, multi-purpose cleaner/degreaser</td>
<td>PROD. # 294024: 4-gal/cs</td>
</tr>
<tr>
<td>Apex Process Cleaner</td>
<td>Economical, heavy-duty, high foaming, multi-purpose cleaner/degreaser</td>
<td>PROD. # 250385: 55 gal</td>
</tr>
<tr>
<td>FS Pro-Chlor</td>
<td>Heavy-duty, foaming, chlorinated, multi-purpose cleaner</td>
<td>PROD. # 241235: 5 gal</td>
</tr>
<tr>
<td>FS Formula 4089</td>
<td>High-foaming, chlorinated caustic cleaner</td>
<td>PROD. # 246524: 4-gal/cs</td>
</tr>
<tr>
<td>Apex ChlorFoam 14</td>
<td>Economical, high-foaming, chlorinated caustic cleaner</td>
<td>PROD. # 235335: 5 gal</td>
</tr>
</tbody>
</table>

FS Formula 10184

Heavy-duty, high-foaming, non-chlorinated caustic cleaner/degreaser

PROD. # 241724: 4-gal/cs | 241735: 5 gal | 241750: 20 gal | 241785: 55 gal | 241789: 275 gal

FS Foaming Smokehouse Cleaner

High detergency, self-foaming caustic cleaner

PROD. # 116035: 5 gal | 116055: 55 gal

Super Doug

Heavy-duty, foaming caustic cleaner for stubborn soils on surfaces of smoke houses, fryer hoods, floors, walls.

PROD. # 536235: 5 gal | 536285: 55 gal | 536289: 275 gal

Professional Solutions Done Right.
Expertise that partners with you.
A key component of Zep's Assure® Sanitation Program includes a label color system that clearly denotes different product groups based on chemical differences to support and ensure proper and safe chemical handling.

Health & Safety Product Color Coding

- **High Alkaline Caustic Cleaners**
- **Chlorinated Caustic Cleaners**
- **Non-Chlorinated Alkaline Cleaners**
- **Chlorinated Low Alkaline Cleaners**
- **Acid Cleaners**
- **Nitric Acid Cleaners**
- **Sanitizers**
- **Acid Sanitizers**
- **Chlorine Sanitizers**
- **Lubricants**
- **Specialty Products**

### ACID FOAMING CLEANERS/DESCALERS

- **FS Concentrated Foaming Acid**
  High-foaming, blended acid detergent/descaler
  PROD. # 236824 4-gal/cs 236850 20-gal 236885 55-gal 236889 275-gal

- **FS Formula 4489**
  High-foaming, acid detergent/descaler
  PROD. # 240024 4-gal/cs 240085 55-gal

- **Apex Foaming Acid**
  Economical, high-foaming, blended acid detergent/descaler
  PROD. # 236185 55-gal 236189 275-gal

- **FS Sizzle Brite**
  High-foaming, nitric-acid based descaler for heavy mineral deposits and starch build-up on stainless steel surfaces *(for Stainless Steel Surfaces only)*
  PROD. # 599775 45-gal

### ALKALINE/CAUSTIC CIRCULATION/BOIL-OUT/SOAK CLEANERS

- **FS Bakery Pan Cleaner**
  Soft-metal safe, non-foaming, alkaline, CIP and COP tank cleaner
  PROD. # 237035 5-gal 237050 20-gal 237085 55-gal

- **Apex Bakery Pan Cleaner**
  Economical, soft metal-safe, non-foaming, alkaline, CIP and COP tank cleaner
  PROD. # 237135 5-gal 237185 55-gal 237189 275-gal

- **FS C.I.P. Cleaner**
  Low-foaming, liquid chelated circulation/boil-out cleaner
  PROD. # 166935 5-gal 166950 20-gal 166985 55-gal 166989 275-gal

- **Apex Caustic CIP Cleaner**
  Economical, low-foaming, liquid circulation/boil-out cleaner
  PROD. # 238335 5-gal 238385 55-gal 238389 275-gal
POULTRY INDUSTRY SANITATION PRODUCTS

ALKALINE CLEANERS (continued)

- **FS Z-Chlor**
  - Low-foaming, chlorinated, circulation cleaner
  - PROD. #: 244335: 5 gal | 244350: 20 gal | 244385: 55 gal | 244389: 275 gal

- **Apex Omegachlor**
  - Economical, low-foaming, chlorinated, circulation cleaner
  - PROD. #: 235685: 55 gal | 235689: 275 gal

- **FS Chlor 5**
  - Low-foaming, chlorinated, powdered circulation cleaner
  - PROD. #: 115750: 200 lb | 115780: 500 lb

ACID CIRCULATION/ SOAK CLEANERS/DESCALERS

- **FS Formula 3685**
  - Low-foam, blended acid circulation detergent/descaler and COP tank cleaner
  - PROD. #: 249424: 4-gal/cs | 249485: 55 gal

- **Apex Acid CIP Cleaner**
  - Economical, low-foaming, acid circulation detergent/descaler
  - PROD. #: 237485: 55 gal | 237489: 275 gal

FOOD SURFACE SANITIZERS

- **FS Amine-A**
  - Quaternary ammonium chloride sanitizer and deodorizer
  - PROD. #: 192124: 4-gal/cs | 192135: 5 gal | 192185: 55 gal | 192189: 275 gal

- **FS Amine-Z**
  - Fifth-generation, quaternary ammonium chloride sanitizer, disinfectant (approved for fogging)
  - PROD. #: 170024: 4-gal/cs | 170035: 5 gal | 170085: 55 gal | 170089: 275 gal

- **FS Formula 386L**
  - Acidified Quaternary ammonium chloride sanitizer
  - PROD. #: 338624: 5 gal | 338635: 20 gal | 338685: 55 gal

Food Surface Sanitizing

Sanitizing food-contact and nonfood-contact surfaces after cleaning is critical to the safety of food being processed - both in food processing and preparation areas. Sanitizers are needed to reduce the number of harmful microorganisms, mold and yeast to an acceptable level. Because different types of sanitizers are needed for different surfaces, we can help you choose the ones that best meet your facility’s needs.

- **FS RTU D-2**
  - Alcohol/Quat-based sanitizer for dry plant cleaning
  - PROD. #: 121201: 12-qt/cs | 121235: 5 gal | 121280: 50 gal

- **FS Formula 12167**
  - 5.25% Sodium hypochlorite sanitizer
  - PROD. #: 242924: 12-qt/cs | 242935: 5 gal | 242985: 55 gal

- **FS Formula 4665**
  - 12.5% Sodium hypochlorite sanitizer and disinfectant
  - PROD. #: 289035: 5 gal | 289085: 55 gal | 289089: 275 gal

- **Chlor 2**
  - Powdered chlorine sanitizer
  - PROD. #: 115633: 40 lb | 115680: 500 lb

- **Peroxy-Serve 5**
  - Peroxyacetic acid/hydrogen peroxide based sanitizer (approved for fogging)
  - PROD. #: 273225: 5 gal | 273285: 55 gal

- **ProOxine® Sanitizer/ Citric Activator**
  - Stabilized chlorine dioxide sanitizer (approved for fogging)
  - PROD. #: 295035: 5 gal | 295085: 55 gal | 295089: 275 gal

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Since pathogenic bacteria can easily spread from one area to another, cross-contamination is a major concern in food processing facilities. That’s why Zep provides quality direct intervention antimicrobials, sanitizing solutions, hand cleaner/sanitizers and entryway sanitizers to help you control the risk of cross-contamination and ensure food safety.

HAND CARE

- **FS Antimicrobial Hand Cleaner/Sanitizer**
  USDA E-2 type liquid hand cleaner. The economical quat-based formulation is non-irritating and has no fragrance or residual odor.
  PROD. # 001821: 12-32 oz/cs | 001121: 6-1L/cs | 001241: 4-gal/cs | 001851: 55 gal

- **Fuzion FS Antimicrobial Hand Cleaner**
  USDA E-2 type liquid hand cleaner
  PROD. # 115161: 4-1200 ml/cs

- **FS Antimicrobial Foaming Hand Cleaner**
  USDA E-2 type liquid hand cleaner, PCMX free
  PROD. # 000291: 4-1200 mL/cs | 000281: 4-2500 mL/cs | 000851: 55 gal

- **Alcohol Sanitizer Spray**
  Alcohol-based USDA E-3 type hand sanitizer
  PROD. # 000861: 6-1L/cs | 000281: 4-gal/cs | 000851: 55 gal

- **Fuzion Alcohol Sanitizer Spray**
  Alcohol-based USDA E-3 type hand sanitizer
  PROD. # 115161: 4-1200 ml/cs

ENTRYWAY SHOE/BOOT SANITIZING

- **Door San**
  High-foaming, 5th-generation quaternary ammonium chloride compound that can be used for foot sanitizing through entryway systems between processing areas. Effective in controlling small flies in drains by destroying their eggs.
  PROD. # 216224: 4-gal/cs | 216235: 5 gal | 216285: 55 gal | 216289: 375 gal

- **Ultra Powder**
  A powdered, PerQuat product. Can be used everywhere in a plant including floors, entryways and in drains for added protection during production.
  PROD. # U26401: 100 lb drum | U27001: 400 lb drum

**DIRECT INTERVENTION ANTIMICROBIALS**

- **Zep-I-Dine**
  Iodophor based sanitizer
  PROD. # 183024: 4-gal/cs | 183085: 55 gal

- **FS Low Foam Acid Sanitizer**
  Low Foaming, acid sanitizer
  PROD. # H99035: 5 gal | H99085: 55 gal

- **KEEPER® Pro Poultry**
  Acidified Sodium Chlorite antimicrobial agent for use on poultry carcasses, parts & organs and processed, formed or comminuted meat products. Use with 2476 Dominion activator
  PROD. # 293135: 5 gal | 293185: 55 gal

- **Peroxy-Serve MPS**
  Peroxyacetic acid/hydrogen peroxide-based microbiocide for application on raw, processed, and ready-to-eat poultry products. Can be applied in sprays, cooling water, dip-tank, process water, ice, or brine.
  PROD. # 274435: 5 gal | 274485: 55 gal

- **ProOxine® AH Sanitizer**
  Stabilized chlorine dioxide added to the drinking water to disinfect waterlines. Stock solution is diluted automatically using the Zep BWT System. Use with 2476 Dominion Activator
  PROD. # 295235: 5 gal

*These products are low-foaming sanitizers, therefore, they can be used in CIP and COP systems*
Drain and Drip Pan Maintenance

In poultry facilities, floor drains and drip pans are often breeding grounds for harmful microorganisms. That makes them a potential source of microbial contamination. Zep offers a variety of drain maintenance products to keep drain lines free-flowing while controlling biofilm and odor.

- **MicroSolve Disinfectant Cleaner/Activator Solution**
  Foaming, PerQuat® based cleaner for biofilm removal. For drain and equipment surfaces
  PROD. # 287135: 5 gal • 287435: 5 gal • 287185: 55 gal • 287485: 55 gal

- **Zep Drain Cutter**
  For drain maintenance in all food preparation and processing facilities. It helps to keep drains free-flowing and odor-free
  PROD. # M69001: 12-2 pac/cs

- **Zep-I-Dine Blocks**
  Iodine based drain and condensation pan cleaner and deodorizer blocks
  PROD. # F07901: 72/cs

- **Zep Iodine Rings**
  Iodine based drain and condensation pan cleaner and deodorizer rings
  PROD. # 180701: 12/cs

Floor Care

- **Morado Super Cleaner**
  A heavy-duty industrial cleaner used to clean concrete floors and other types of floors. It quickly removes a wide variety of greasy and carbonaceous soils that are not readily attacked by ordinary cleaners/degreasers
  PROD. # 085624: 4-gal/cs • 085635: 5-gal • 085650: 20-gal • 085685: 55-gal • 085689: 275-gal

- **Formula 50**
  Heavy-duty, all purpose cleaner and degreaser. Recommended for cleaning floors and walls in all departments in food processing plants.
  PROD. # 085924: 4-gal/cs • 085935: 5-gal • 085950: 20-gal • 085985: 55-gal • 085989: 275-gal

Lubricants

Zep has a wide range of high-quality products designed to maintain your hard-working equipment and keep it operating reliably and at optimal production levels.

- **Sanitary Spray Lube**
  USP mineral oil lubricant for use on pump rotators, product chutes, slicers, grinding plates, trolleys, chains and cables, packaging, cutting blades and equipment assembly (H1)
  PROD. # 024601: 12/cs

- **White Slide**
  Aluminum complex grease for bearings, pump rotators, products chutes, conveyors and forklifts (H1)
  PROD. # 301405: 50/cs

- **Zeplube**
  For use as a lubricant, release agent, or antirust film on equipment and machine parts (H2)
  PROD. # 145935: 5 gal • 145985: 55 gal • 145989: 275 gal

- **FS Formula 23769**
  Mineral oil for lubricating shackle rails, guide bars, and for use as a trolley lube. Prevents adhesion of feathers, blood, and other soils (H1)
  PROD. # 145935: 5 gal • 145985: 55 gal • 145989: 275 gal

- **Shacklube**
  Biodegradeable detergents and lubricants protect shackle line and rail system from rust, drag, and bearing wear
  PROD. # H32185: 55 gal

- **MicroSolve Disinfectant Cleaner**
  Foaming, PerQuat® based cleaner for biofilm removal. For drain and equipment surfaces
  PROD. # 287135: 5 gal • 287435: 5 gal • 287185: 55 gal • 287485: 55 gal

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  PROD. # H32185: 55 gal
### Food Specialty Products

- **Control Feather Softener**
  Softens poultry skin for feather removal
  - **PROD. #** 241385: 5 gal

- **X-4269**
  Red denaturant marks condemned poultry with a red color
  - **PROD. #** 354285: 55 gal

- **FS Foam-Sta**
  For use as a light-duty detergent or with any alkaline or acid cleaner to produce a dense, stable foam that will cling to vertical or overhead surfaces to help clean grease, fats, and oxidation
  - **PROD. #** 249885: 5 gal / 249885: 55 gal

- **FS Cooler & Freezer Cleaner**
  Ready-to-use cleaner remains a liquid at temperatures as low as -40°F. No rinse required
  - **PROD. #** 166535: 5 gal

- **XT-1597**
  Ready-to-use cleaner remains a liquid at temperatures as low as -30°F. No rinse required. May be applied to floor with automatic scrubbing machine, brush, mop, or pump-up sprayer
  - **PROD. #** 622585: 5 gal

- **FS Formula 14865**
  Ready-to-use floor and wall freezer locker cleaner remains a liquid at temperatures as low as 0°F. No rinse required
  - **PROD. #** 293035: 5 gal

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### Equipment

Zep is your one-stop source for both sanitation products and the equipment you need to apply them. Our Equipment & Service Department provides the equipment and expert installation that makes using your cleaning and maintenance products convenient, cost efficient and highly effective. If you have specialized needs, we also provide Custom Equipment to solve your most difficult application and dispensing problems.

- Central foaming systems
- Central sanitizing systems
- Wall mounted and portable foamers and sanitizers
- Chemical control and dispensing systems
- Entryway sanitizing systems
- Fogging units
- Specialty/Custom equipment

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TOOL CRIB

Maintenance Products

Why take the time to work with several suppliers when Zep provides cleaning and sanitation products for your entire facility - including your Maintenance Department. Our complete range of products is used by manufacturing companies every day and includes Industrial Cleaners & Degreasers, Lubricants & Penetrants, VOC Compliant Solvents & Parts Washers, Metal Working Fluids & Protective Coatings, Industrial Strength Hand Care, as well as Ground Maintenance Products (Insecticides/herbicides). We deliver high performance products that work right the first time to save you time and money.

CLEANERS / DEGREASERS

**Big Orange E (liquid)**
Economical Natural Citrus Degreaser and Graffiti Remover. Contains no caustics, acids, petroleum distillates, chlorinated hydrocarbons or chlorinated aromatic solvents.

**ID Red (liquid)**
Designed for use when extremely fast evaporation and no residue are desired. Effective solvent degreaser to remove oil, grease, tar, dirt, and lubricants.

**Elec II Plus**
Energized Electrical contact cleaner for circuit boards and energized electrical precision instruments. Quickly removes oil and grease without leaving a residue.

PARTS WASHING

**Dyna 143**
Solvent cleaner and degreaser. A highly-refined, high-flashpoint, low-toxicity hydrocarbon solvent with a low evaporation rate.

INDUSTRIAL HAND CARE

**Cherry Bomb**
Combines the power of pumice with moisturizing emollients to prevent dry, cracked hands.

**Cherry Bomb Wipes**
Heavy-duty hand cleaner towels remove stubborn industrial soils such as dirt, oil, and grease. No water necessary.

PENETRANTS / LUBRICANTS

**Zep 45 Dual Force**
Superior dual-action penetrant and lubricant

**Zep 45 Lubrisil NC**
Silicone lubricant for reducing friction between moving parts for metal-to-metal contact surfaces. Stops squeaks in wheels, bearings and moving parts. (H1)

**Zep 45 Lubridry**
Fast-drying silicone lubricant for reducing friction and squeaking (H1)

**Groovy-V**
Heavy-duty industrial grade anti-seize lubricant fortified with copper, aluminum and graphite for metal parts, pipes and threaded fittings in a convenient aerosol package.

**Lubeze Drill Chill**
Metal Working Fluid. Cutting oil that eliminates heat at its source to ensure clean, smooth cuts, and prolong tool life.
**OFFICE / RESTROOM**

**READY-TO-USE CLEANERS**

**Zep 40**
Heavy-duty, foaming cleaner for showcases, refrigerators, tile, chrome, stainless steel, soft drink machines and many other nonconductive surfaces in a convenient aerosol form.

PROD. # 014401: 12/cs

**Vue R.T.U.**
Ready-to-use spray-and-wipe cleaner for glass, mirrors, and other hard surfaces.

PROD. # 101024: 4-gal/cs | 101085: 55 gal

**Spirit II**
Ready-to-use, hospital grade, non-phenolic germicidal detergent for disinfecting surfaces

PROD. # 067909: 12-qt/cs | 067939: 5 gal | 067960: 30 gal | 067986: 55 gal

**Ring Master**
All-purpose bathroom cleaner

PROD. # 184611: 12-qt/cs | 184624: 4-gal/cs | 184635: 5 gal

**Fuzion Select**
(Prod. # 594501)

**Fuzion Touchless**
(Prod. # 593301)

**FRONT OF HOUSE HAND CARE**

**Fuzion Dispensers**
Dispensing versatility with your choice of pump to dispense foam, spray or liquid products. has an elegant look that can be used anywhere and mounted to any type surface.

**Fuzion Anti-Bacterial Foaming Hand Soap**
Helps reduce bacteria and the spread of germs. Fortified with emollients for skin softening with a pleasant fresh scent.

PROD. # 125216: 4-1200 mL/cs

**Fuzion Alcohol Sanitizer Spray**
Alcohol-based USDA E-3 type hand sanitizer

PROD. # 135716: 4-1200 mL/cs

**SAFE2DOSE CHEMICALS AND WALL-MOUNTED DISPENSER**

**Safe2Dose DZ-7**
Concentrated cleaner and disinfectant that kills microbes on precleaned environmental surfaces and floors

PROD. # N68401: 4-2 liter/cs

**Safe2Dose Glass Cleaner**
Formulated to remove light to moderate soils from glass, Plexiglass® and other surfaces

PROD. # N68001: 4-2 liter/cs

**Safe2Dose Oxy Non-Acid Bathroom Cleaner**
Concentrated, peroxide based, non-acid bathroom cleaner

PROD. # N68301: 4-2 liter/cs

**Safe2Dose Dispenser**
Two levels of protection (chemical packaging and dispenser) that reduces spills and employee exposure. Yields more than twice the amount of RTU chemical (compared to purchasing RTU).

PROD. # S93501
Protecting Your Brand

At Zep, safety is incorporated into everything we do and goes well beyond the products we produce. It extends to the safety of your employees, protection of the environment, and most importantly, the safety of your food products and your consumers. A successful food safety and sanitation program is the top priority of every food processing operation, and your local Zep Rep is prepared to support that effort. Your staff will benefit from Zep’s programs and systems that are custom-designed specifically for your facility to enhance your overall microbial control program. This kind of customer collaboration is the cornerstone of our success in the food industry.

Professional Solutions Done Right.
Expertise that partners with you.

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