



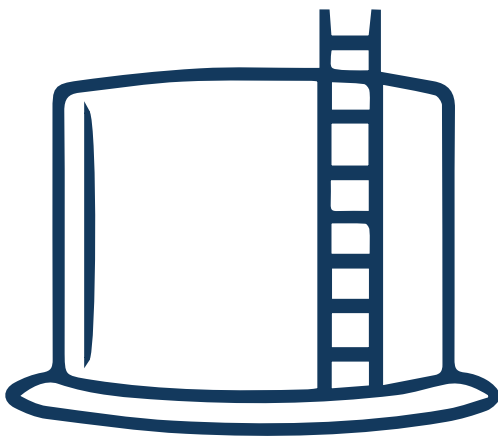
Leading the world to a cleaner, safer place through unparalleled customer service, one client at a time.

# 2026 CHEMCO PRODUCTS CATALOG

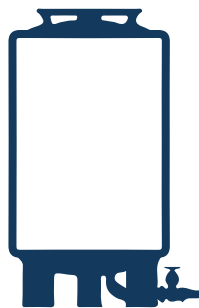
Chemco is a leader in supporting food and beverage sanitation, membrane, water treatment, and wastewater processes. The knowledge and experience Chemco brings to our partners provide increased throughput by optimizing sanitation processes, with quality being the primary focus. Our wastewater and water treatment programs provide opportunities to drive out cost, save water, and lengthen asset life.

Our people and programs are focused and have the experience to deliver “Measurable Results” in quality, safety, value-added services, and competitive pricing, every day. Chemco employs highly experienced Account Managers, Territory Managers, VPs, CIP Experts, Membrane Filtration Technologists, CWT Certified Water Treatment Technical Directors, Chemists, and support staff. In addition, our Rapid Response Team is available to support urgent operational needs, helping customers address critical challenges quickly and effectively. Our partners truly have a team at their disposal for any type of support.

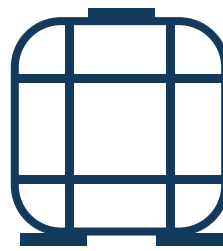
Bilingual trainings through Chemco University, documentation support, equipment installations, audit prep support, sanitation process reviews, annual or semi-annual performance meetings, SSOP support, Technical Director team access, monthly cost and usage reports, equipment inspection reviews, and frequent on-site service are all part of the Chemco value added partnership.



Bulk



Mini Bulk



Totes



Drums



Pails



Cases



Organic Production Compatible (OMRI Listed®)



EC Reduction



Sustainable Technologies



[www.chemcoprod.com](http://www.chemcoprod.com)

[sales@chemcoprod.com](mailto:sales@chemcoprod.com)

Call Us! 866-243-6261

Check us out on LinkedIn: [www.linkedin.com/company/chemco-products-company](https://www.linkedin.com/company/chemco-products-company)

# Table of Contents

## Sanitation Program Product Offerings.....PAGE 1

- CIP Cleaners
- CIP Additives
- CIP Acid Cleaners
- CIP Sanitizers
- Membrane Cleaners
- Membrane Sanitizers
- Foaming Cleaners
- Foaming Acid Cleaners
- Powdered Manual Cleaners
- External and Environmental Cleaners and Sanitizers
- Anti-Foam
- Degreasers
- Additional Product Offerings
- Commodity Products
- Antimicrobial Intervention Products

## Water Treatment Program Product Offerings.....PAGE 7

- Steam Boiler Traditional Program Options
  - Internal Treatment (One Drum Treatment Program)
  - Internal Treatment (Multiple Drum Treatment Program)
  - Streamline/Condensate Treatment
- Steam Boiler Non-Traditional Program Options
  - Purified Tannins
  - Film Forming Amines
- Cooling Tower Water Treatment Products
  - Scale and Corrosion Inhibitors
  - Microbicides
  - Non-Traditional Program Options
  - Closed Loop Water Treatment Products
- Industrial and Potable Water Reverse Osmosis Chemistries
  - Antiscalants
  - De-Chlorination
  - Microbiocides

## Wastewater Program Product Offerings.....PAGE 11

- Acids and bases for pH Adjustment
- Coagulants
- Flocculants
- Bioaugmentation

## Janitorial Program Product Offerings.....PAGE 12

Green Performance® - Products that are safer for the environment



# Sanitation Program Product Offerings

## CIP CLEANERS:

- **CHALLENGE (FL11701):** A premium, heavy-duty, liquid alkaline detergent formulated for use in cleaning heavily soiled equipment, pipelines, and food-borne soils typically found in food and beverage processing plants.
- **TRIUMPH NPS (FL11698):** A heavy-duty, “phosphate-free”, chlorinated, liquid product designed for cleaning pipelines and bulk tanks. Triumph NPS is an excellent product for circulation cleaning throughout the dairy and food processing industries.
- **TYPHOON II (FL11636):** A highly built liquid sodium and potassium hydroxide blend designed for cleaning the most difficult soils from food and beverage processing equipment, particularly where a heavy soil load has built-up from high heat treatment. This product contains the highest level of additives for improved cleaning and sequesters the calcium and magnesium found in hard water, inhibiting scale depositing.
- **MONSOON (FL11641):** A highly built liquid sodium hydroxide cleaner designed for cleaning very difficult soils from food and dairy processing equipment, especially where a heavy soil load has built-up from high heat treatment. Monsoon contains special additives for improved cleaning and can sequester the calcium and magnesium up to 350ppm found in very hard water.
- **DOMINATE (FL9535):** A unique semi-viscous, highly alkaline liquid cleaner recommended for bottle washing, CIP cleaning, boil-out, or spray cleaning of pasteurizers, evaporators, citrus extractors, HTST, and UHT equipment.



• **TRIUMPH ECR (TBD):** A concentrated chlorinated detergent formulation specifically designed for cleaning cold process CIP equipment, even at temperatures less than 140 degrees. Triumph ECR is an effective cleaner aiding in soil penetration, wetting, suspension and emulsification. Contributes <1,200  $\mu\text{S}/\text{cm}$  at use dilution to a facility’s wastewater system when used as directed.



• **MONSOON ECR (FL11705):** A concentrated detergent formulation specifically designed for cleaning CIP equipment. Monsoon ECR is an effective additive to alkaline cleaners in use/dilution to aid in soil penetration, wetting, suspension, and emulsification, and reduces the amount of alkalinity typically used for cleaning. Contributes <1,000  $\mu\text{S}/\text{cm}$  at use dilution to a facility’s wastewater system when used as directed.



• **THUNDER ECR (TBD):** A highly concentrated liquid, wetting, and penetrating agent designed primarily for use as an additive to alkaline cleaning solutions to improve detergency, to suspend and remove soils, and to control water films. Thunder ECR boosts the cleaning performance of alkaline and caustic cleaning solutions and is effective on a wide variety of soils and cleaning applications.

## CLEANING ADDITIVES:

• **THUNDER (FL11349):** A specially developed closed loop cleaning additive that is packed full of sequestering agents with additional wetting and soil dispersants. In conjunction with the built-in cleaning additives, we have incorporated a defoaming material that promotes high velocity CIP while reducing and maintaining acceptable foam levels.



• **LIGHTNING (FL11696):** A highly concentrated liquid, wetting, and penetrating agent designed primarily for use as an additive to alkaline cleaning solutions to improve detergency, suspend and remove soil, and control water films. This product boosts the alkaline cleaning performance and is effective on a wide variety of soils and cleaning applications.

• **BLIZZARD (FL11623):** An oxidative cleaner additive designed to remove tenacious protein soils.

## CIP ACID CLEANERS:

- **DAZZLE (FL9418):** A liquid blend of strong inorganic acids and detergents ideally suited to perform a variety of tough cleaning jobs in the food and beverage industry. Dazzle is a low-foaming liquid with good wetting ability and is biodegradable attacking all forms of stone and scale, and leaving metal surfaces sparkling. Dazzle has a passive effect on stainless steel and will brighten aluminum surfaces.
- **HURRICANE ACID (FL11650):** A liquid blend of strong acids that is ideally suited to perform a variety of tough cleaning jobs in the food and dairy industry. The special blend of inorganic acids has excellent wetting ability and is biodegradable. An excellent option for HTST's and evaporators.
- **HURRICANE SPECIAL (FL11663):** A special liquid blend of inorganic acids that will rapidly attack all forms of stone and scale, leaving metal surfaces sparkling and free of mineral scale. Its low foam characteristics enhance cleaning action when applied to circulation, spray, and agitated soak cleaning methods.
- **NITRACID 37% (FL11711):** A liquid industrial grade Nitric Acid 37% blend.
- **NITRACID 45% (FL11712):** A liquid industrial grade Nitric Acid 45% blend.

## CIP SANITIZERS:



• **CHEMCO PAA 5.6% (FL9978):** A liquid 5.6% Peracetic Acid sanitizer with high oxidation potential. Chemco PAA 5.6% provides excellent bactericidal and fungicidal activity against a wide range of micro-organisms in cold and warm water. An excellent option for CIP hard surface sanitizing for equipment, bottles, silos, lines, and processing equipment.



• **CHEMCO PAA 15% (FL99912):** A liquid 15% Peracetic Acid sanitizer with high oxidation potential. Chemco PAA 15% Chemco PAA 5.6% provides excellent bactericidal and fungicidal activity against a wide range of micro-organisms in cold and warm water. An excellent option for CIP hard surface sanitizing or equipment, bottles, silos, lines, and processing equipment.

• **ACID SANITIZER LF (FL11339):** A concentrated liquid, acid sanitizer for CIP, COP, and non-circulation applications. Acid Sanitizer LF provides effective germicidal action on a broad range of microorganisms including gram-positive and gram-negative bacteria. Leaves equipment surfaces in an acidic range, which lengthens the life of stainless-steel parts. An excellent option for storage tanks, vats, processing equipment, and CIP processes.

## MEMBRANE CLEANERS:

- **CHEMCO MEMBRANE CLEANER 1116 (FL11457):** A liquid alkaline cleaner specifically designed for cleaning the tough soil loads associated with membrane systems. Provides excellent soil penetration and detergency while maintaining the balance of alkalinity and pH required by today's membrane manufacturers.
- **CHEMCO MEMBRANE CLEANER 167 (FL11622):** A neutral, super concentrated liquid enzymatic detergent developed specifically to provide cleaning of reverse osmosis, ultrafiltration, nanofiltration, and microfiltration membrane systems.
- **CHEMCO MEMBRANE CLEANER 163 (FL11458):** A premium liquid enzymatic detergent developed specifically to provide superior cleaning of reverse osmosis, ultrafiltration, nanofiltration and microfiltration membranes in food/beverage facilities.
- **CHEMCO MEMBRANE CLEANER 102 (FL11638):** Contains a liquid blend of concentrated surfactants developed specifically for cleaning reverse osmosis, ultrafiltration, nanofiltration, and microfiltration membranes. This product will provide superior soil penetration, emulsification, and suspension of membrane fouling fatty soils.
- **CHEMCO MEMBRANE CLEANER CMP (FL11362):** A liquid membrane soak and preservative, designed specifically for reverse osmosis, ultrafiltration, nanofiltration and microfiltration membranes in the food and beverage industries. Regular use helps to restore the membrane efficiencies lost through membrane use and age. This advanced non-corrosive formula is safe for most membrane applications and allows for extended soak treatments that help provide more thorough cleaning for bacteria, yeast, and mold.
- **DYNAMIC JS (CP1665):** A highly concentrated liquid detergent additive for increasing the efficiency of reverse osmosis, ultrafiltration, nanofiltration and microfiltration membranes in the food and beverage industries.



- **MONSOON CLEANER ECR (FL11705):** A concentrated detergent formulation specifically designed for cleaning CIP equipment. It is compatible with other Chemco cleaners and stable with chlorine in cleaning solutions. Membrane Cleaner ECR is an effective additive aiding in soil penetration, wetting, suspension and emulsification. Contributes <math><100 \mu\text{S}/\text{cm}</math> at use dilution to a facility's wastewater system when used as directed.

## MEMBRANE SANITIZERS:



- **CHEMCO PAA 5.6% (FL9978):** A liquid 5.6% Peracetic Acid sanitizer with high oxidation potential. Offers an excellent bactericidal and fungicidal activity against a wide range of micro-organisms in cold and warm water.



- **CHEMCO PAA 15% (FL99912):** A liquid 15% Peracetic Acid sanitizer with high oxidation potential. Offers an excellent bactericidal and fungicidal activity against a wide range of micro-organisms in cold and warm water.

## FOAMING CLEANERS:

- **SANI-FOAM (FL8337):** A liquid chlorinated alkaline foaming general cleaner designed principally for use in food and beverage processing plants where oil and grease are factors. This product is highly effective on protein and fat removal. Not to be used on soft metals.
- **SANI-FOAM EXTRA (FL11461):** A liquid chlorinated alkaline foaming general cleaner built to remove protein, fat, and tough soil while providing superior rinsability for stainless steel surfaces. Not to be used on soft metals.
- **SANI-FOAM HW (FL11507):** A liquid chlorinated alkaline foaming general cleaner built to handle up to 350ppm of water hardness while still being an excellent option for protein, fat, and tough soil removal of stainless-steel equipment. Not to be used on soft metals.
- **CHEMCO 51 (FL6540):** A liquid all-purpose foaming cleaner. Designed to remove food residue, grease, and oil from all surfaces. This product is safe to use on all metal types, paint, rubber, plastic, and fabric surfaces.
- **DYNAMIST (FL1267):** A semi-viscous, liquid, medium-duty foaming general cleaner designed principally for use in food and beverage facilities. When applied, a thick, long-lasting foam blanket will quickly penetrate, emulsify, and saponify oils, greases, fats, and other soils. Water conditioning properties then produce a sparkling, film-free surface after a potable water rinse.
- **SUPREME HD (FL11683):** A heavy-duty, liquid, potassium- and sodium-based alkaline foaming cleaner. This highly built product has excellent penetration ability to remove the toughest soils and provide superior rinsability, leaving no residue.

## FOAMING ACID CLEANERS:

- **GLIMMER (FL1013):** A liquid high foaming acid product for brightening stainless steel surfaces in food and beverage plants. Glimmer will remove all forms of food stone, hard water, scale, and rust.

## POWDERED MANUAL CLEANERS:

- **COMMENCE (FL11439):** A highly concentrated oxygenated manual powdered cleaner that contains a blend of synthetic detergents. Commence is an outstanding general cleaner that will penetrate and emulsify soils while lifting them off surfaces. Excellent option for manual cleaning applications in food and beverage processing facilities.

## EXTERNAL and ENVIRONMENTAL CLEANERS & SANITIZERS:

- **FLO-QUAT SANITIZER (FL11630):** A cleaner, disinfectant, and virucide with quaternary ammonia compounds. Flo-Quat Sanitizer is an excellent option with a wide range of label usages, not limited to; food contact sanitizer, boot/shoe sanitizing, doorway/entryway foaming unit sanitizer, non-food contact surfaces, and environmental sanitizing.
- **POWDERED FLOOR TREAT (FL11406):** A unique floor cleaner and traction aid powder containing quaternary ammonium compounds. Designed for use on floors in production rooms, cool rooms, freezers, cold storage areas, and anywhere there is foot or forklift traffic.



- **CDG 3000 (CDGSOL3000):** A chlorine dioxide 0.3% aqueous solution that is highly effective on microorganisms.

- **ACID SANITIZER 6552 (FL6552):** An acidic quaternary ammonia sanitizer that is an excellent option where a lower pH is needed to be effective on microorganisms.

- **FLOOR GUARD (ETC5440QH31):** A highly unique floor treatment and cleaner with quaternary ammonia as the active ingredient. The beads are air-dried and light density, and the weight of a shoe will burst the bead, releasing the active ingredients and coating forklift tires and shoes.

- **FLOOR GUARD 2 (ETC5445):** A highly unique floor treatment and cleaner bead with peracetic acid/hydrogen peroxide. Designed to eliminate cross-contamination on floors in production rooms, cool rooms, freezers, cold storage areas, and anywhere there is foot or forklift traffic. The beads are air-dried and light density, and the weight of a shoe will burst the bead, releasing the active ingredients and coating forklift tires and shoes.



- **STERILEX:** Sterilex Ultra Disinfectant Cleaner Solution 1 and Sterilex Ultra Activator Solution is based on a proprietary PerQuat® technology. This product is highly effective at removing biofilm.



- **STERILEX ULTRA STEP® (STERUS):** Sterilex Ultra Step is an EPA-registered powdered floor sanitizer powered by PerQuat® technology, designed for entryways, floors, and high-risk traffic areas. It is approved to kill organisms such as Salmonella, Listeria, and E. coli and is customized to address sanitation challenges where traditional liquid floor sanitizers are ineffective.



- **ProvaStride™:** ProvaStride is a quat-free, EPA-registered powdered floor sanitizer designed for facilities with quat-sensitive products, wastewater restrictions, or corporate sanitation standards. It delivers effective microbial control at the lowest required use rate of any dry floor sanitizer and is approved for use in entryways, floors, and loading dock areas.



- **ProvaGrate™:** ProvaGrate is an EPA-registered, time-release biocide designed for drains and HVAC drip pans. It uses slow-release polymer technology to control fungi, slime, algae, and odor-causing bacteria while helping maintain surfaces between biofilm removal treatments.

## ANTI-FOAM:

- **SUBDUE PLUS (FL11341):** A concentrated clear liquid designed to control foaming. This formulation is a blend of organic compounds that will disperse and combat foaming problems along with helping to condition wash solutions.

- **SUBDUE EXTRA FG10 (CH-SNO-B10SKD):** A liquid food grade, Kosher, 10% silicone-emulsion defoamer/anti-foam. This superior formulation provides rapid foam knock-down (defoaming) and long-term foam suppression (anti-foaming).

## CONVEYOR LUBRICANTS:

- **GLIDE (FL11300):** A highly concentrated liquid synthetic conveyor lubricant that provides maximum lubrication of conveying systems in beverage manufacturing facilities.

- **GLIDE PLUS (FL11301):** A highly concentrated liquid synthetic conveyor lubricant that provides maximum lubrication of conveying systems. This product contains quaternary ammonium compounds and cleans as it lubricates. Glide Plus is totally hard water insensitive and provides excellent lubricity.

- **SKOOT LUBE (FL11625):** A soap-based liquid conveyor lubricant providing excellent lubrication results where low-foam characteristics are desired. Skoot Lube provides excellent “carry” for thorough distribution of the lubricating film on the conveyors, scrambling tables, curves, and transfer points in the conveyor systems.

- **CHEMCO LL-30 (FL3391):** A liquid vegetable oil, soap-type conveyor lubricant with high foaming characteristics. It is chelated to handle water hardness and will eliminate plugging of spray nozzles due to formation of hard water soap.

- **E.Z. LUBE (FL7460):** A soap-based liquid conveyor lubricant designed for use in soft or conditioned water and produces excellent lubrication results where moderate foam characteristics are desired. This product is chelated to handle up to 100ppm of water hardness.

- **DRY LUBE CONCENTRATE (FL11533):** A highly sophisticated silicone-based conveyor lubricant that has been designed for use in beverage manufacturing facilities. This product will improve lubricity, which helps reduce bottle tipping. This is a ready-to-use product allowing conveyors, bottles, drip pans, and floors to remain dry.

## DEGREASERS:

- **HEAVY DUTY DEGREASER (FL202):** A liquid degreaser that removes grease, oil, and dirt from all types of equipment, machinery, and flooring. It is a blend of water-soluble solvents, surface-active detergents, water softeners, corrosion inhibitors, and alkaline builders. Its concentrated, powerful ingredients will clean everything from hard surfaces to greasy metal parts.

## ADDITIONAL Product Offerings:

- **CHEMCO 301S (FL0735):** A heavy-duty, low foaming liquid cleaner formulated principally for use in automatic power scrubbers and vacuum floor machines. It is also recommended for manual cleaning and mopping of floor surfaces or other surfaces where low foaming is desired.

- **CASE WASH (FL2338):** A highly alkaline liquid circulation cleaner designed especially for washing empty cases in the food industry.



- **ORGANIC EGG WASH (FL11652):** Is a highly concentrated, low foaming egg washing detergent. Allowed for use in accordance with National Organic Program (NOP) Standards. This product will effectively remove soils from the eggshell surface and keep the internal components of the mechanical egg washing machine clean.

- **CHURN FEST LIQUID (FL11707):** A silicate, chlorinated alkaline, one-step liquid cleaner specifically designed for butter churns and butter processing equipment. This product provides effective removal of proteins and fatty soils. The silicate formula leaves a non-stick surface to improve butter operations with longer runs and less rework.

- **SAFE-PASSIVATE (FL11352):** A liquid citric acid formulation that will effectively and safely promote the process of passivation on “Food Grade” stainless steel surfaces. Safe-Passivate is designed with a highly active surfactant package that delivers an acidified wash that cleans and prepares the surfaces of stainless-steel lines, silos, and processing equipment.

- **PROPYLENE GLYCOL INHIBITED (FC) (FL9985):** A liquid heat transfer fluid for applications where incidental food contact is a possibility. The product is a formulation of USP/EP grade propylene glycol and Food Grade dipotassium phosphate. The two ingredients are recognized as safe (GRAS) by the FDA under Food Additive Regulations Parts 182 and 184 of the Code of Federal Regulations (CFR) Title 21.



- **OXINE® and PRO-OXINE® (Food Processing):** OXINE and PRO-OXINE are chlorine dioxide-based antimicrobial solutions used for no-rinse sanitizing, CIP systems, and water treatment in food processing environments. Available in 2 percent and 5 percent concentrations, these products deliver broad-spectrum microbial control, odor reduction, and low corrosivity while integrating seamlessly with automated activation systems.



- **OXINE® and PRO-OXINE® (Brewery):** OXINE and PRO-OXINE provide targeted antimicrobial control for brewery operations, supporting hygiene across CIP systems, pasteurizers, conveyors, filler assemblies, and water systems. The chlorine dioxide formulations deliver effective microbial control across a broad pH range and are designed for automated activation and precise dosing in brewery environments.



- **ODORID® Dry:** ODORID Dry is a slow-release chlorine dioxide odor control solution activated by ambient moisture to neutralize odor-causing bacteria at the source. The ready-to-use canister provides up to four weeks of effective odor control and is well suited for food processing, wastewater, and institutional environments.



- **Indicon® Gel:** Indicon Gel is a rapid biological hygiene indicator used to identify the presence of biofilm on surfaces. When biofilm is present, the gel produces visible micro-bubbles within two minutes, providing a quick visual indication of potential harborage sites.

## COMMODITY PRODUCTS:

- **SODIUM HYDROXIDE 50% (FL9900):** A liquid 50% sodium hydroxide product.
- **FLO-KLOR (FL9983):** A 12.5% sodium hypochlorite disinfectant and sanitizer for sanitizing of food processing and dairy equipment.
- **SULFURIC ACID 50% (FL99950):** A liquid sulfuric acid 50% product.
- **SULFURIC ACID 93% (FL9920):** A liquid sulfuric acid 93% product.
- **CITRIC ACID 50% (FL99909):** A liquid citric acid 50% product.
- **PHOSPHORIC ACID 75% FOOD GRADE (FL99957):** A liquid phosphoric acid 75% product.

## ANTIMICROBIAL INTERVENTION PRODUCTS:



• **KEEPER® POULTRY:** KEEPER Poultry provides broad-spectrum antimicrobial protection for poultry processing operations, including whole birds, parts, and ready-to-eat products. When activated with a GRAS acid, KEEPER forms an oxidative solution effective against pathogens such as Salmonella, Listeria, E. coli O157:H7, and Campylobacter, while remaining effective across a wide pH range and compatible with automated or manual application systems.



• **KEEPER® RED MEAT:** KEEPER Red Meat delivers flexible antimicrobial intervention for red meat and ready-to-eat processing environments, supporting pathogen reduction and shelf-life protection. The activated solution provides broad-spectrum efficacy, low corrosion potential, and compatibility with spray or dip applications across carcass, trimming, and packaging operations while supporting FDA, FSIS, and HACCP requirements.



• **KEEPER® SEAFOOD:** KEEPER Seafood is designed for antimicrobial control in fin fish, shellfish, and crustacean processing operations, including wash water, ice, and storage applications. Activated with a GRAS acid, KEEPER provides rapid, broad-spectrum pathogen reduction while helping maintain product quality, extend shelf life, and support regulatory compliance in seafood facilities.



• **KEEPER® POST-HARVEST (FRUITS AND VEGETABLES):** KEEPER Post-Harvest solutions provide flexible antimicrobial protection for fruit and vegetable processing, packing, and storage operations. The activated oxidative solution is effective across a wide pH range and application methods, helping reduce microbial risks, protect shelf life, and support FDA, OMRI, and HACCP compliance.



# Water Treatment Program Product Offerings

## STEAM BOILER TRADITIONAL PROGRAM OPTIONS:

### Internal Treatment (One Drum Treatment Program):

- **ENEREX 600 (FL5549):** A complete liquid boiler water treatment product which provides complete corrosion and scale control for boiler feedwater lines, boiler internals, and condensate lines.
- **ENEREX 600S (FL8868):** A complete liquid boiler water treatment product which provides complete corrosion and scale control for boiler feedwater lines, boiler internals, and condensate lines. This product contains an elevated level of Sodium Sulfite for applications where the feedwater temperature is below 150°F.
- **ENEREX 500 (FL5427):** A highly effective scale inhibitor and contains low-molecular-weight polymers, crystal distortion agents, and sulfite. This product is non-volatile, thus providing no streamline/ condensate treatment. This product is Organic NOP compliant.
- **ENEREX 500S (FL8869):** A concentrated liquid boiler water treatment compound. It is a highly effective scale inhibitor and contains polymeric dispersants and organic scale inhibitors, as well as sulfite for boiler oxygen control. This product contains an elevated level of Sodium Sulfite for applications where the feedwater temperature is below 150°F. This product is non-volatile, thus providing no streamline/condensate treatment. This product is Organic/NOP compliant.

### Internal Treatment (Multiple Drum Treatment Program):

- **ENEREX 11633 (FL11633):** A liquid formulation of polymeric dispersants and conditioning agents used to inhibit scale and corrosion in boiler water systems.
- **ENEREX 300 (FL5389):** A highly effective scale inhibitor containing low-molecular-weight polymers, crystal distortion agents, and antifoam.
- **ENEREX 400 (FL7916):** A liquid boiler water treatment, which provides corrosion and scale control for boiler feed water lines and boiler internals. This product is designed for use in boiler applications where a sole product for boiler waterside scale control is desired.
- **ENEREX 205L (FL5441):** A concentrated liquid catalyzed sulfite which reacts almost instantaneously with dissolved oxygen, even at cold water temperatures. An excellent oxygen scavenging product.
- **ENEREX 210L (FL9111):** A concentrated liquid catalyzed sodium sulfite which reacts almost instantaneously with dissolved oxygen, even at cold water temperatures. Should be fed to a boiler deaerator feedwater tank to remove dissolved oxygen.
- **ENEREX 9900C (FL9900):** A concentrated liquid sodium hydroxide-based alkalinity builder for boiler water applications.

## Streamline/Condensate Treatment:

- **CHEMEEN 400 (FL9929):** A liquid ammonia-based neutralizing amine designed to provide protection against corrosion in condensate return systems.
- **CHEMEEN 330 (FL9214):** A liquid blend of volatile neutralizing amines designed to provide protection against corrosion in condensate return systems.
- **CHEMEEN 200 (FL5425):** A liquid neutralizing amine designed to provide protection against corrosion in condensate return systems.
- **CHEMEEN 5426 AC (FL11254):** A liquid blend of volatile neutralizing amines designed to provide protection against corrosion in condensate return systems. This blend of amines and different vapor/liquid distribution ratios provides complete protection to large and extensive condensate systems.

## STEAM BOILER NON-TRADITIONAL PROGRAM OPTIONS:

### Purified Tannins:



• **TANGUARD D (FL11664):** A proprietary liquid, highly biodegradable, non-volatile steam boiler treatment featuring purified tannins. Formulated with a defoamer, providing scale inhibition and eliminates oxygen. This formula is non-volatile.



• **TANGUARD DA (FL11679):** A proprietary liquid, highly biodegradable steam boiler treatment featuring purified tannins, defoamer, and condensate treatment.



• **TANGUARD DAC (FL11680):** A proprietary liquid, highly biodegradable steam boiler treatment featuring purified tannins, defoamer, condensate treatment. This formulation also includes treatment for steam line/condensate system corrosion inhibition.



• **TANGUARD DC (FL11678):** A proprietary liquid, highly biodegradable, non-volatile steam boiler treatment featuring purified tannins. The mechanism of corrosion protection works by forming a layer of tannins on the metallurgy surfaces. This formula is non-volatile so does not contain chemistry to treat the condensate system.

### Film-Forming Amines:

- **FILMGUARD 617:** This formulation protects internal waterside surfaces through the absorption of a monomolecular film which makes it possible to avoid any contact between the water and the metal surfaces of the system, with no heat transfer losses.
- **FILMGUARD 617F:** This formulation protects internal waterside surfaces through the absorption of a monomolecular film which makes it possible to avoid any contact between the water and the metal surfaces of the system, with no heat transfer losses. This product is not recommended in plants where steam comes into direct contact with food with dairy products.

## COOLING TOWER WATER TREATMENT PRODUCTS:

### Scale and Corrosion Inhibitors:

- **CHEMQUEST 11608 (FL11608):** A unique blend of organic, scale and corrosion inhibitors, and polymeric dispersants. This product is designed to provide excellent scale control under extreme conditions.
- **CHEMQUEST 11596 (FL11596):** An advanced, high performance cooling water treatment, designed to provide both optimum corrosion protection and scale inhibition in open recirculating water systems. This product contains a fluorescent dye for ease of testing.
- **FILMGUARD 1025 (FCT1025):** A mix of film-forming amines and PBTC. The film-forming amine-based inhibitors protect the walls through the absorption of a monomolecular film, which makes it possible to avoid any contact between the water and the metal surfaces.
- **FILMGUARD 1025S (FCT1025S):** A mix of film-forming amines and PBTC. The film-forming, amine-based inhibitors protect the walls through the absorption of a monomolecular film, which makes it possible to avoid any contact between the water and the metal surfaces. This product is to be used strictly with soft water.

## Microbicides:

- **CHEMQUEST 216 (WHCHM216):** A liquid oxidizing microbicide for the control of microorganisms in all types of commercial and industrial cooling water systems. This stabilized bromine solution provides 16% bromine and is effective over a wide pH range.
- **CHEMQUEST 211 (FL99905):** A liquid broad-spectrum microbicide for the control of microorganisms in all types of commercial and industrial open and closed cooling water systems. This isothiazolin-based microbicide is particularly effective on algae and bacteria in industrial and commercial re-circulation systems.
- **CHEMQUEST 215 (WHBCDMH):** A bromine-based oxidizing microbicide designed for the control of microorganisms in commercial and industry cooling water systems. This product offers improved worker safety and easier handling than chlorine and comes in 20g 1inch tablets.
- **JUSTEQ07 (Justeq07):** A revolutionary new biocide that penetrates into slime masses and breaks up the mass from within. This product is also compatible with scale inhibitors and copper corrosion inhibitors.



- **CDG 3000 (CDGSOL3000):** A chlorine dioxide 0.3% aqueous solution that is highly effective on microorganisms.



- **ProOXINE (Bioprooxine):** A highly refined blend of oxychloro species containing purified sodium chlorite. When activated using a GRAS acid, chlorine dioxide is produced. It can be used in water treatment systems to obtain and maintain microbial control. The uses of food and beverage processing plants are numerous and available upon request.

## Non-Traditional Program Options:



- **ProMoss™ (CWPM1-EA):** Made from Sphagnum moss leaves, this product is used in cooling towers, closed loops, open loops, process loops, process water, and wastewater systems or other water systems where scale inhibition is needed. This product is a non-chemical option that reduces TDS, removes organic contamination, absorbs oil, and decreases BOD.



- **Flowmark Microbial Control System:** This water treatment disinfection system is classified as an advanced oxidation process. Oxygen is split into singlet oxygen atoms, which interact with water molecules forming hydroxyl and oxygen radicals, which trigger various chemical reactions, oxidizing contaminants including minerals and bacteria.

## CLOSED LOOP WATER TREATMENT PRODUCTS:

- **CHEMGUARD CS-14 (FL6480):** A blend of corrosion, scale, and fouling inhibitors for heating and chilled closed loop systems.
- **CHEMGUARD CS-14TH (FL9160):** A blend of corrosion, scale, and fouling inhibitors for heating and chilled closed loop systems. This product does not contain dye.
- **CHEMGUARD 11617 (FL11617):** A blend of corrosion, scale, and fouling inhibitors as well as buffering aids for heating and chilled closed loop systems.
- **CHEMGUARD 5675 (FL5675):** A blend of corrosion, scale, and fouling inhibitors, as well as buffering aids for chilled water/glycol closed loop systems containing mixed metallurgy.
- **CHEMGUARD 5675F (FL11682):** A blend of corrosion, scale, and fouling inhibitors, as well as buffering aids for chilled water/glycol closed loop systems containing mixed metallurgy. Chemguard 5675F meets the requirements for GRAS.
- **CHEMGUARD 11603 (FL11603):** A blend of corrosion inhibitors and pH buffering agents designed for use in mixed metal closed loop systems, especially those that contain aluminum.
- **FILMGUARD 418 (FCT418):** A film forming amine for corrosion protection in heating and cooling water systems.
- **FILMGUARD 418A (FCT418A):** A film forming amine for corrosion protection in heating and cooling water systems. FilmGuard 418A is specifically designed for systems containing aluminum.
- **TG-3304 PM2 (WHTG3304PM2):** A purified tannin chemistry that provides corrosion and deposit control in mixed metallurgy heating and cooling systems, especially those that contain aluminum. The mechanism is via adsorption onto the metallurgy surfaces forming iron, copper, and aluminum tannate layers.

## Industrial and Potable Water Reverse Osmosis Chemistries:

### Antiscalants

- **AWC A102 Ultra:** A broad spectrum antiscalant inorganic scale formation such as calcium carbonate, calcium sulfate, calcium fluoride, barium sulfate, strontium sulfate, and silica. Stabilizes metal ions to prevent metal oxides precipitates, as well as dispersing silt and clay particulates. NSF60 certified.
- **AWC A107:** A broad spectrum antiscalant with enhanced inhibition of silica scales, as well as high iron. NSF60 certified.

### De-Chlorination

- **SODIUM BISULFITE 38/40% NSF60 (BRESB3840):** A reducing agent to dechlorinate the feed water to protect RO membranes from degradation.

### Microbiocides



- **CDG 3000 (CDGSOL3000):** A chlorine dioxide 0.3% aqueous solution that is highly effective on microorganisms.



- **CHEMCO PAA 5.6% (FL9978):** A liquid 5.6% Peracetic Acid sanitizer with high oxidation potential. Chemco PAA 5.6% has excellent bactericidal and fungicidal activity against a wide range of microorganisms in cold and warm water.

- **K-BAC 1020:** A non-potable, non-oxidizing microbiocide for RO membrane systems.



# Wastewater Program Product Offerings

## Acids and Bases for pH Adjustment:

- 93% Sulfuric Acid
- 30%/50% Sodium Hydroxide
- Magnesium Hydroxide
- Calcium Hydroxide
- Custom slurries upon request

**Coagulants:** Chemco offers a full line of inorganic, organic, and custom blends for all wastewater applications. Our Wastewater Technical Directors can perform onsite jar testing to provide the correct product selection, usage rates, and efficacy results for your program.

**Flocculants:** Chemco offers a full line of dry and emulsion polymers for all wastewater applications. Our Wastewater Technical Directors can perform onsite jar testing to provide the correct product selection, usage rates, and efficacy results for your program.

**Bioaugmentation:** Concentrated proprietary liquid blends of micronutrients, bio-stimulants, and specifically selected Bacillus bacterial strains used in a variety of wastewater treatment systems to alleviate challenges associated with hydrogen sulfide (H<sub>2</sub>S), fats, oils, grease (FOG), sludge and odors.



# Janitorial Program Product Offerings

- **FLO-ZYME (FL5195):** A live bacteria treatment, which breaks down and liquefies suspended solids such as proteins, fats, greases, carbohydrates, oils, sugars, cellulose, and starches. Excellent option for drain opening and spraying in trash and public use areas for odor control, and to break down organic matter.
- **GERM SWIPE (FL285):** An excellent option for a cleaner, disinfectant, deodorizer, and virucide on hard inanimate surfaces. This Quaternary Ammonia based product is ready-to-use on public use surfaces.
- **TRIPLE-2 DISINFECTANT (FL222):** A Quaternary Ammonia based cleaner, disinfectant, sanitizer, and deodorizer designed for institutions and industrial use. It can be used in hot or cold water, cleans with either hard or soft water, and is bactericidal, fungicidal, and viricidal.
- **NEUTRAL DISINFECTANT CLEANER (FL11166):** A phosphate-free, safe for surfaces, pH of 5.5 - 7.5 formulation designed to provide effective cleaning, deodorizing, and disinfection for hospitals, nursing homes, hotels, and schools where controlling cross-contamination from treated surfaces is important.
- **FLO-KLING HD PORCELAIN, TILE & BOWL CLEANER (FL366):** Formulated to remove the toughest soap scum, hard water deposits, scale, lime, and various discolorations and deposits. This product is viscous so that it will cling to vertical surfaces thereby providing more action on the soiled surfaces.
- **MILDEW STAIN REMOVER (FL239):** Designed to effectively cover unsightly black mildew stains. It works on stains around sinks, tubs, and shower surfaces in restrooms.
- **BLAST OVEN CLEANER (FL1495):** A highly concentrated viscous alkaline product designed for the fast and efficient removal of carbonized oil, encrusted grease, and burnt-on food particles from ovens and grills. This compound cleans quickly and thoroughly by the combined chemical and physical action of penetration.
- **CONCRETE CLEANER (FL0018):** An all-purpose cleaner designed for removing grease and oil from concrete floors. Can be used with a mop or floor machine in manufacturing plants, warehouses, and parking structures.
- **RTU CLASS & HARD SURFACE CLEANER (FL358):** A ready-to-use cleaner formulated for cutting oily, smoked, and grimy film. This product quickly cuts and removes dirt, grime, and pollution film without prematurely drying or streaking.



- **ALPET D2 SURFACE SANITIZER WIPES (WHBESALPD2W):** Alpet D2 Surface Sanitizing Wipes offer a convenient, ready-to-use option for sanitizing hard, non-porous surfaces throughout food processing facilities. These lint-free wipes kill 99.999 percent of Staphylococcus aureus and Escherichia coli in 60 seconds and are ideal for water-sensitive equipment and quick sanitation tasks.



- **ALPET D2 SURFACE SANITIZER (WHBESALPD2P):** Alpet D2 is a ready-to-use, no-rinse surface sanitizer designed for food contact surfaces in food and dairy processing environments. Its 58 percent IPA and quat formulation delivers a 60-second kill of 99.999 percent of tested pathogens while remaining highly evaporative, non-corrosive, and ideal for water-sensitive equipment.



- **ALPET D2 QUAT-FREE SURFACE SANITIZER:** Alpet D2 Quat-Free is a food contact and non-food contact surface cleaner, sanitizer, and disinfectant developed for facilities that cannot use quat chemistry. The 70 percent alcohol formulation provides a 60-second kill on food contact surfaces and a 10-second kill on non-food contact surfaces, with no rinse required and no residue left behind.



• **ALPET E2 SANITIZING FOAM SOAP:** Alpet E2 is a PCMX-based foaming hand soap engineered for food processing environments where frequent handwashing is required. It kills 99.999 percent of tested pathogens in 15 seconds while remaining gentle on skin, delivering high wash counts per gallon and meeting USDA and NSF E2 requirements.



• **ALPET E3 PLUS HAND SANITIZER (WHBESALPE3D):** Alpet E3 Plus is a waterless alcohol hand sanitizer spray formulated to eliminate both gram-positive and gram-negative bacteria. It was the first sanitizer approved for immediate food handling after use and delivers 99.9 percent germ kill while providing superior hand coverage and user compliance compared to gels and hand dips.



• **ALPET E3 HAND SANITIZER SPRAY:** Alpet E3 is an atomized alcohol hand sanitizer spray that provides complete hand coverage, reaching fingernails, cuticles, and crevices commonly missed during handwashing. The 76 percent isopropyl alcohol formulation meets FDA and USDA requirements for food handling and helps reduce cross-contamination without drying skin.



• **ODORID® DRY:** ODORID Dry is a slow-release chlorine dioxide odor control solution activated by ambient moisture to neutralize odor-causing bacteria at the source. The ready-to-use canister provides up to four weeks of effective odor control and is well suited for food processing, wastewater, and institutional environments.

## Green Performance® - Products that are safer for the environment



• **HEAVY DUTY DEGREASER (GP101):** A concentrated heavy-duty cleaner formulated to quickly eliminate grease, oil, and kitchen fats. Built with a multiple surfactant system, it delivers powerful performance for mop applications, auto scrubbers, pressure washers, and steam cleaners on the toughest cleaning jobs.



• **BRITE ALL PURPOSE CLEANER (GP103):** A versatile non-acid cleaner designed for use on all washable surfaces including counters, floors, walls, and grout. Effectively removes grease, dirt, food stains, and soap film while brightening grout without leaving residue.



• **TUB, TILE & BOWL CLEANER (GP104):** An organic acid-based cleaner that removes hard water scale, rust stains, and discoloration from sinks, tubs, toilets, fixtures, and tile surfaces. Cleans and deodorizes effectively while restoring surfaces to a clean, fresh appearance.



• **CARPET EXTRACTION CLEANER (GP105):** A powerful carpet cleaning formula compatible with modern carpet fiber technology. Designed for extraction and bonnet cleaning, it removes embedded soils while helping carpets stay cleaner longer.



• **NEUTRAL FLOOR CLEANER (GP106):** A neutral-pH cleaner formulated to provide a clean, streak-free appearance on luxury vinyl tile, natural stone, ceramic tile, and laminate floors. Safe for use on waxed floors, it cleans effectively without dulling finishes and requires no rinsing.



• **PEROXIDE CLEANER (GP107):** A multi-surface cleaner combining hydrogen peroxide with a water-soluble surfactant system. Designed for tile and grout cleaning, carpet spotting, glass cleaning, and general-purpose cleaning while deodorizing and eliminating odors at the source.



• **ENCAPSULATING CARPET CLEANER (GP118):** An advanced carpet cleaner using soil crystallization technology to encapsulate and remove soils, spots, and stains with minimal moisture. Reduces dry time, extends carpet life, and allows areas to return to foot traffic quickly.