



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% is an 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% is an 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 <100 $\mu\text{S}/\text{cm}$ 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% (FL9912):** 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):** Is 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.
- **STERILEX:** Sterilex Ultra Disinfectant Cleaner Solution 1 and Sterilex Ultra Activator Solution is based on a propriety PerQuat® technology. This product is highly effective at removing biofilm.
- **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 ULTRA STEP (STERUS):** An EPA-registered sanitizer approved to kill food pathogens. Sterilex Ultra Step is based on the propriety PerQuat® technology, consisting of small blue granules. Excellent option for entryway floor mats, drains, floors, warehouses, trash areas, and construction project barriers.

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.

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.