



# Food Processing

## Food Plant Sanitation Program



Providing Quality Maintenance and Chemical Specialty Solutions with Unparalleled Customer Service



## **SPARTAN'S HIGH PERFORMANCE PRODUCTS**

For over 55 years Spartan has earned wide recognition for its high quality, high performance products. Spartan Research and Development Laboratories are GLP compliant (Good Laboratory Practices). FDA (Food & Drug Administration) regulated products are manufactured in CGMP production facilities (Current Good Manufacturing Practices). All products are extensively field-tested to meet the ever-changing needs for improved sanitation in the Food Industry. Spartan products are so good, they're guaranteed!

### **Energy Efficient**

Many of Spartan's cleaners, degreasers and sanitizers perform well in hot, warm or cold water. This is extremely important in meat, seafood and other food processing operations where reduction of high energy costs can positively impact the operating budget.

### **Compliance with Regulations**

Spartan production facilities are FDA registered. All products are developed to assist compliance with the Food Safety Inspection Service (FSIS), the Food Quality Protection Act, FDA Food Code Book, OSHA, and other guidelines.

### **Economy**

Formulated to minimize labor time, Spartan products are concentrates. They provide in-use cost economies and overall cost reduction. In addition, application specific dispensing systems are available to reduce labor time and to deliver product in accurate dilution.

### **Employee Training**

Clear, concise product labeling in English and Spanish, charts, videos, and product application procedures are just a few of the many ways Spartan assists employee training.



### **Technical Support**

Local distributor sales consultants and 70 highly-trained Spartan Regional Managers are readily available for field support and to solve your problems. For immediate access to Spartan Customer Service Representatives and Spartan technicians, simply call 1-800-537-8990.

We can help you validate cleaning with ATP units which use bioluminescence to verify and validate that a surface has been cleaned. ATP units are available for a discount through Hygiena ([www.hygiena.net](http://www.hygiena.net)) and Neogen ([www.neogen.com](http://www.neogen.com)).





We can help you make sure your Sanitation Program is in compliance with third party audits, such as, SQF, BRC, AIB, and more.

**Environmental Commitment**

Spartan products conform to or surpass strict guidelines of the Environmental Protection Agency, Clean Water Act, Volatile Organic Compounds Regulations and Occupational Safety and Hazard Administration. Phosphate free. Biodegradable. Ozone-friendly. VOC compliant. Spartan products are packaged in recyclable, reusable and/or disposable containers.

Recent reports of *E. coli*, salmonella, listeria, cryptosporidium and cyclospora outbreaks in the meat, poultry, vegetable and fruit processing industries have resulted in tragic loss of life, serious public concern and tremendous loss of profits.

This situation presents a new paradigm for food processors...the need to implement more effective food safety functions and comply with FDA and other performance-oriented standards, i.e., the Hazard Analysis and Critical Control Points (HACCP) Systems that regulate the meat and poultry industries while maintaining minimal operating costs.

Spartan's Food Plant Sanitation Program includes all the essential elements needed to ensure a clean, sanitized facility. It provides products, equipment, appropriate procedures and worker-hygiene visual aids to prevent direct product contamination or adulteration and assist the elimination of foodborne bacteria.



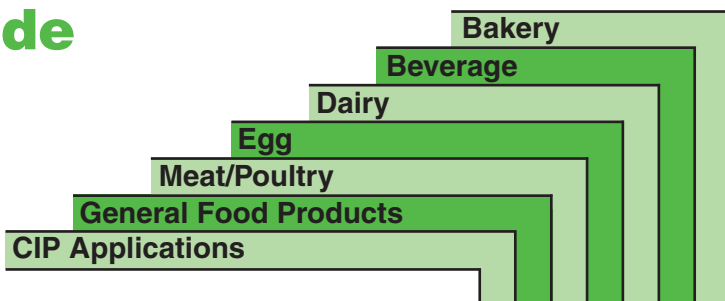






# Product Selection Guide

Use the following as a guide when selecting from Spartan's Food Plant Sanitation products.



Hard Surface Sanitizers											
Acid Sanitizer FP	Concentrated phosphoric acid formula cleans and sanitizes surfaces. No rinse. EPA Reg. No. 10324-67-5741. <b>#3154</b> (K)	.	.	.	.	.	.	.	.	.	.
PAA Sanitizer FP	Peroxyacetic acid based sanitizer. Can be used to sanitize unprocessed fruits and vegetables. EPA Reg. No. 54289-3-5741. <b>#3139</b>	.	.	.	.	.	.	.	.	.	.
Sani-T-10® Plus	Quat-based sanitizer. No rinse sanitizing range of 150ppm to 400ppm. EPA Reg. #10324-117-5741. <b>#3159</b> (K)	.	.	.	.	.	.	.	.	.	.
Sani-Tyze®	Food contact surface sanitizer. Ready-to-Use. EPA Reg. No. 10324-107-5741. <b>#3195</b> (K)	.	.	.	.	.	.	.	.	.	.
SparCHLOR	Liquid, chlorinated sanitizer. EPA Reg. No. 5741-20001. <b>#3090</b> (G)	.	.	.	.	.	.	.	.	.	.
Miscellaneous Products											
Eggs•So•Clean® Egg Washing Compound	Washing compound for egg shell washing. <b>#3129</b> (K) (G)	.	.	.	.	.	.	.	.	.	.
Eggs•So•Clean® pH Booster	25% caustic solution to ensure proper pH of eggs. <b>#3125</b> (K) (G)	.	.	.	.	.	.	.	.	.	.
Foam Additive FP	Foam increaser. <b>#3109</b> (G)	.	.	.	.	.	.	.	.	.	.
Food Grade Machinery Lubricant	Lubrication for food processing equipment and machinery. <b>#6525</b>	.	.	.	.	.	.	.	.	.	.
Skin Care											
E2 Hand Wash & Sanitizer	One step skin cleanser for food service, processing and handling areas. <b>#3056</b> (K)	.	.	.	.	.	.	.	.	.	.
Lite'n Foamy® E2 Hand Wash & Sanitizer	Foaming skin cleanser for food service, processing and handling areas. <b>#3157</b> (K)	.	.	.	.	.	.	.	.	.	.
Specialty Products											
Green Solutions® Industrial Cleaner	A non-toxic, heavy-duty liquid cleaner. <b>#3506</b> (G) (Green Seal)	.	.	.	.	.	.	.	.	.	.
Pathmaker	Concentrated low suds cleaner designed specifically for use with automatic floor scrubbing equipment. <b>#0085</b> (K) (G)	.	.	.	.	.	.	.	.	.	.
SC-200	High alkaline heavy duty industrial cleaner. <b>#2200</b> (K) (G)	.	.	.	.	.	.	.	.	.	.
SNB-130	Non-butyl, extra heavy duty detergent degreaser formulated for use in industrial and institutional facilities. <b>#2130</b> (G)	.	.	.	.	.	.	.	.	.	.
Tough on Grease®	Water soluble, cleaner/degreaser featuring Polemic Technology to safely remove petroleum greases. <b>#2034</b> (K) (G)	.	.	.	.	.	.	.	.	.	.

**KEY**

Product Available Worldwide	Certified Kosher	This product meets the Green Seal™ Standard for Cleaning Products for Industrial and Institutional Use, GS-37, based on its reduced human and environmental toxicity and reduced volatile organic compound content.
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## Dispensing Equipment

### UB Selecto

Multi-purpose sprayer and foamer. The UB Selecto comes with a 50 ft., 1/2 diameter hose and a foam/spray wand. Rugged, machined polypropylene. Choose from spray or foam applications remotely. Foam clean, rinse, and sanitize using two different chemicals. #920600



### Select-O-Matic

Foam clean, rinse, and sanitize using two different chemicals. Automatic shut-off feature if more than one valve at a time is opened. Comes with 25 ft. hose. #920800



### Foam-It® 15

Portable, lightweight, foam cleaning system applies thick, clinging foam solution to vertical and horizontal surfaces. Sprays foam up to 30 ft. at up to 50 gallons of foam per minute. Weighs only 63 lbs. and is easy to operate. #988400



### Lite'n Foamy® Dispenser

For use with Lite'n Foamy hand soaps. 1000mL removable reservoir is easy to clean and refill.

White: #975600, Black: #975700



### Bulk Liquid Hand Soap Dispenser

1000mL reservoir is easy to clean, easy to fill, and the screw cap provides a closed environment to prevent cross-contamination.

White: #980900, Black: #981300



### Foam Gun Model 481

This portable foam gun is an excellent application tool for cleaners, degreasers, and sanitizers. No guesswork for proper dilutions, color-coded metering tips provide a sure concentration, so no product is wasted. #997300



### Clean on the Go® 3-Sink System

Easy-to-use dispenser for 3-sink systems. Automatic dilution control at the push of a button provides fast filling at 3.5 gallons per minute. #905600

### Push 3-Sink System

Dispenses 1 oz. per push. #905900

### AutoDrain

Accurately and automatically dispense. Consume LIQ for economical drain and grease trap treatment.

AC #934100, Battery #934200



### Other Dispensing Units

Doorway sanitizing units help to prevent the transport of contaminants in processing plants. Heavy-duty foam units help clean efficiently and effectively. Contact your Spartan Regional Manager for more information about these or any other dispenser need you may have.





# Training Materials & Sanitation Tools

## Chemical Safety Chart

Bilingual 16.5" x 24.25" laminated chart provides safety information for using acid, alkaline and chlorine based products. #985100



## Food Service Cleaning & Sanitizing Schedule

Bilingual 23" x 23" laminated wall chart. #989300

## Daily Meatroom & Poultry Sanitation Chart

Bilingual 17" x 23" laminated wall chart. #989400



## Food Processing Training Cards

Color-coded, bilingual cards simplify training and address standardization and safety issues. Heavy-duty laminate provides durability and resistance to acid and caustic products. Easy to read and follow. #947000 for complete set or order individually.



## 3-Sink Chart

Proper procedures for using a 3-sink system. #987900



## Water Fill Line Sticker

Adheres to the front of sink to direct users how full to fill the sink with water. #921500



## 3-Sink System Sanitation Schedules

Four frequency of cleaning sanitation schedules for the grocery industry. Set of four: #925305

Deli/Bakery Department: #925301

Produce Department: #925302

Seafood Department: #925303

Meat Department: #925304



## Wash Hands Sticker

Free stickers to support good hand washing habits.



## Quat Check 1000

Tests in use parts per million of quaternary disinfectants. Use 0-1000 roll for disinfectants; 0-400 roll for sanitizers. Double roll dispenser provides approximately 100 tests. #994900

## Hydrion Papers QT-10

Tests in use parts per million quaternaries. 0-400 roll for sanitizers. Provides approximately 50 tests. #983800

## Insta-Test Strips

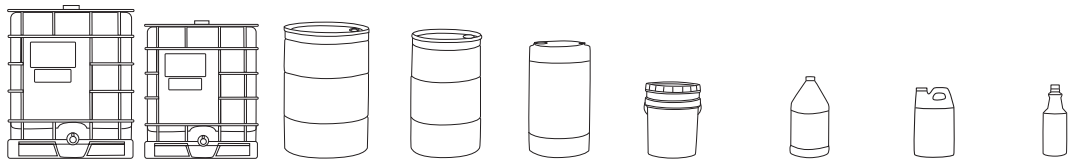
Provides in-use ppm of peracetic acid solution from 10 to 160 ppm. Includes 50 test strips. #993800

## pH Papers/Spectral 1-14

Determines pH of cleaning solution. Single roll provides approximately 100 tests. #995300

## Chlorine Test Papers

Provides in-use ppm of chlorine sanitizing solution from 10 to 200 ppm. #984900



Product Code by Size	330 GA Tote	275 GA Tote	55 GA Drum	30 GA Drum	15 GA Drum	5 GA Pail	GA/CS of 4	2 Liter/CS of 4	Qts/CS of 12
Acid Sanitizer FP		315460	315455	315430	315415	315405	315404		
Blue-Glo	311165		311155	311130	311115	311105	311104		311103
Caustic Cleaner FP		318960	318955	318930	318915	318905			
Chlorinated Degreaser		308060	308055	308030	308015	308005	308004		
Chlorinated Plus		307460	307455	307430	307415	307405			
DFP-32	300865		300855	300830	300815	300805	300804		
Eggs•So•Clean Egg Washing Compound		312960	312955			312905			
Eggs•So•Clean pH Booster			312555			312505			
Foam Additive FP									310903
Foaming Acid Cleaner FP		308160	308155	308130	308115	308105			
Foaming Caustic Cleaner FP		317960	317955	317930	317915	317905			
Freezer Cleaner FP		312860	312855	312830	312815	312805			
Golden-Glo	300065		300055	300030	300015	300005	300004		300003
High Acid Cleaner FP		308260	308255	308230	308215	308205	308204		
Inspector's Choice		304560	304555	304530	304515	304505	304504		
LFC		307560	307555	307530	307515	307505	307504		
Oven & Grill Cleaner				300460	300415		300404		319403
PAA Sanitizer FP			313955*				313904*		
Peroxy Protein Remover, Cleaner & Whitener		382160	382155	382130	382115	382105	382104	482202	
Sani-T-10 Plus		315960	315955	315930	315915	315905	315904	480102	
Sani-Tyze									319503
SparCHLOR		309060	309055	309030	309015	309005	309004		
SparClean Pot and Pan Detergent						765605	765604	484502	765603
Super-Glo								479002	

\*PAA Sanitizer FP is packaged in HDPE 51.9 gallon drums (485 lbs); and 4.3 gallon jerri cans (40 lbs).

Distributed by:

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of these or any Spartan products. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan Distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

Guarantee: Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture. Use product as directed and read all precautionary statements.



**Spartan Chemical Company, Inc.**  
 1110 Spartan Drive, Maumee, Ohio 43537  
 1-800-537-8990  
[www.spartanchemical.com](http://www.spartanchemical.com)



# High Acid Cleaner FP

## **DESCRIPTION:**

Formulated for the Dairy and Food Processing Industry, this highly active liquid acid removes mineral deposits such as rust, lime, milkstone and beerstone from stainless steel and other acid resistant surfaces.

## **FAST AND EFFICIENT:**

A rich blend of Phosphoric Acid (40%) and wetting agents, High Acid FP quickly penetrates and removes milkstone, beerstone, protein scale and hard water scale from stainless steel and other acid resistant surfaces.

## **ASSISTS DAIRIES IN COMPLIANCE WITH THE GRADE "A" PASTEURIZED MILK ORDINANCE:**

The *Pasteurized Milk Ordinance* is incorporated by reference in Federal specifications for procurement of milk and milk products; is used as the sanitary regulation for milk and milk products served on interstate carriers; and is recognized by public health agencies, the milk industry, and many others as a national standard for milk sanitation.

## **LOW FOAMING:**

High Acid FP's low foaming characteristics means less foam and less time needed for rinsing. No clogged equipment and no pump cavitations.

## **VERSATILE:**

Excellent CIP (Clean in Place) cleaner. May also be used for soak or spray cleaning applications.

## **EXCELLENT ACIDIC RINSE:**

***Many food processing cleaning systems require multiple product use. An alkaline product like Spartan Caustic Cleaner FP is used to remove heavy encrustations. This is often followed by a clear water rinse and the use of High Acid FP to effectively neutralize any remaining alkali residue.***

## **NON-FUMING:**



Even in its concentrated form, High Acid FP exhibits no hazardous or corrosive fumes.

**ENVIRONMENTALLY RESPONSIBLE:**

Formulated with concern for the environment, High Acid FP is biodegradable. Contains no butyl. No perfume. Non-flammable.

**NSF REGISTERED:**

High Acid Cleaner FP is NSF (National Sanitation Foundation) registered "A3" for use as an acid cleaner in and around food processing areas, where its use is not intended for direct food contact. The NSF Nonfood Compounds Registration Program is a continuation of the USDA product approval and listing program, which is based on meeting regulatory requirements including FDA 21 CFR for appropriate use, ingredient and labeling.

**SPECIFICATION DATA:**

Available Acid – 40%

Form – liquid

Color – clear pink

Specific gravity – 1.26 @ 24°C/75°F

pH – <1

Stability –

- a. Shelf @ 24°C/75°F – one year minimum
- b. Accelerated @ 49°C/120°F – 60 days minimum
- c. Freeze/Thaw – freezes and thaws with complete clarity

Biodegradable

Kosher and Pareve

**DIRECTIONS FOR USE:**

**Some individuals may be sensitive to ingredients in this product. Before use, read product label and MSD sheet.**

***Do not mix with chemicals not specified on the product label.***

**CIP Cleaning and Neutralizing:** Mix 16 ounces (1 pint) High Acid Cleaner FP with 20 gallons of water. Circulate through system. Rinse thoroughly with hot, potable water.

**Soaking:** Mix 16 ounces (1 pint) High Acid Cleaner FP with 8 gallons of water. For acidified rinse, mix 1 oz. with 5 gallons of water. Rinse thoroughly with hot, potable water.

**General Cleaning of Outside of Tank:** Using spray apparatus, spray outside tank area with 1:32 (4 oz. per gallon of water) to 1:20 (6 oz. per gallon of water) dilution of High Acid Cleaner FP. Rinse thoroughly with hot, potable water.

**High Foam Application:** Dilute High Acid Cleaner FP as recommended in above applications. Add Spartan Foam Additive FP at 1:128 (1 oz. per gal. of diluted cleaner) to 1:12 (10 oz./gal. of diluted cleaner) depending on desired level of foam.

**PACKAGING:**

High Acid FP is packaged in DOT-approved 275-gallon totes; recyclable HDPE 55, 30, 15-gallon drums, 5-gallon pails and gallons, four per case. Label copy is provided in English and Spanish. Secondary labels are also available.

**Be sure to read all Directions, Precautionary and First Aid Statements on product labels before use of this or any Spartan product. If questions remain, consult your employer or a physician. Material Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor or by visiting [www.spartanchemical.com](http://www.spartanchemical.com).**

**GUARANTEE:**

Spartan's modern manufacturing and laboratory control insure uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within one year of the date of manufacture.