Food Safety Solutions
About BioSafe Systems

BioSafe Systems LLC, a family-owned manufacturer and service provider of highly effective and biodegradable disease control products. Since 1998, we have stood by our mission to provide disease control solutions using reduced-risk chemistries that do not negatively impact the health or safety of people and the environment. BioSafe Systems is a true ‘Field to Fork’ partner in all stages of food production, with innovative and proven-effective pest control solutions, products, and services.

Training, technical services, equipment, and on-site support are essential components of our food safety and facility sanitation programs. We offer many support programs and resources for food safety, quality, and production roles, while helping navigate the ever changing landscape of regulations, restrictions, and inspections.

BioSafe Systems takes pride in prompt and effective customer service. Call our toll-free number 1-888-273-3088 and speak with a representative to answer your questions and offer expertise. In addition to numerous technical service managers throughout the country, BioSafe Systems has a complete Service and Equipment Department that can help with the challenges each unique operation may have.
Food Safety Solutions

BioSafe Systems has a fully diversified ‘Field to Fork’ program that includes Crop Protection, Water Treatment Sanitation, and Food Safety solutions. Our products are extensively researched and known to have the greatest effect on disease with the least amount of environmental impact. The BioSafe Food Safety Program begins with irrigation water treatment, the final pre-harvest treatment on the farm, food-contact treatments for retail and food service, and ends with Ready-To-Use formulas for home.

BioSafe Systems has safe, effective, and cost-competitive solutions for Food and Beverage Processors, Fresh Cut Operations, Food Service Establishments and Cafeterias, Supermarkets, transport vehicles and equipment used within the food supply chain.

BioSafe Systems' PAA (peroxyacetic acid) formulas kill on contact bacteria, fungi, and spores before breaking down to air and water - eliminating the need for a rinse-step! Our products are effective against a broad range of human health pathogens and spoilage organisms, eliminating both risk and shrink.

BioSafe Systems’ products are EPA, USDA, FDA, OMRI, and Kosher certified. 3rd party scientific research is available upon request.

“BioSafe Systems is proud to stand by our motto, simply sustainable, always effective. We are constantly looking for innovative solutions for crop protection and disease control.”

Rob Larose

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Irrigation Water Treatment

Food Safety begins with clean water. Our EPA-registered water treatment products work on contact to kill bacterial coliforms, algae, and fungi. BioSafe Systems’ irrigation water treatments leave behind no residuals making them as environmentally responsible as they are effective. From spray tanks to ponds, BioSafe Systems has superior chemistry and equipment for your best defense against disease.

SaniDate® WTO
Water Treatment Microbial

- For USDA Certified Organic operations
- Controls E.coli in irrigation water
- For treatment of source water, irrigation wells, and irrigation systems
- No EPA run-off regulations

SaniDate WTO is the most concentrated PAA product for organic water treatment on the market. Formulated specifically for organic production, SaniDate WTO is an ideal alternative to chlorine treatments in irrigation water. Control waterborne pathogens and prevent the spread of disease among crops in the field. This highly concentrated formula guarantees economical dilution rates.
SaniDate® 12.0
Water Treatment Microbial

SaniDate 12.0 is a powerful activated peroxygen treatment that eliminates general bacterial coliforms and water borne pathogens. SaniDate 12.0 may be chemigated through irrigation systems and can be used periodically or continually throughout the season. SaniDate 12.0 can also be used for irrigation line cleaning or injected at low ppms to maintain clean irrigation lines.

- Not pH dependant, no buffering required
- Effective against bacteria, fungi, algae, and biofilms, including general bacterial coliforms
- Highly stabilized water treatment solution
- Can be chemigated through solid set/overhead sprinklers, center pivot, and drip irrigation

Available in 30, 55, and 275-gallon containers.

**TIP:** Use in various treatment programs to maintain pathogen free irrigation water.

GreenClean®PRO
Granular Algaecide/Fungicide

GreenCleanPRO is formulated to suppress/control algae, bacteria, and fungi on contact in agricultural irrigation waters. GreenCleanPRO is a solid, stabilized form of hydrogen peroxide that breaks down enzymes and proteins that make up algae. As GreenCleanPRO attacks the pathogens, it destroys the internal structures of the cells.

- No use restrictions or bio-accumulation
- Immediate oxidation process for fast-acting algae, fungi and bacteria control
- Treated waters can be used without interruption
- Releases vital oxygen as it works

Available in 50-pound pails and bags.

**TIP:** Waters treated with GreenCleanPRO are permissible to be used without interruption.
Food Safety Compliance

BioSafe Systems provides comprehensive food safety solutions for most control points in sanitary operating procedures, and food packing, storage, and processing applications.

Using unique chemistries, we have developed powerful and effective products that are EPA and FDA-approved and compliant with food safety requirements and certifying agencies. Additionally, BioSafe Systems’ food safety products provide packers and processors with products that are proven effective, sustainable, and do not require a rinse.

“It can be argued that many of the difficulties faced nowadays by society in maintaining a safe food supply can be effectively addressed by more science or, preferably, better science.”

Professor Xavier Malcata
StorOx® 2.0
Broad Spectrum Bactericide/Fungicide

StorOx 2.0 is a versatile post harvest solution that controls pathogens resulting in reduced spoilage, extended shelf life, and produce that is safe for the consumer. Use StorOx 2.0 in hydro-coolers, produce wash, and fogging applications in addition to hard surface sanitizing of equipment.

- OMRI listed for use in organic post harvest processing plants
- Safe alternative to chlorine, not pH dependant; no additional chemical, dosing equipment or labor necessary
- No residue; will not adulterate quality or taste of produce
- Labeled as a disinfectant and sanitizer for human health pathogens

Available in 5, 30, 55, and 275-gallon containers.

TIP: Apply prior to storage to stop spoilage before it starts

SaniDate® 5.0
Sanitizer/Disinfectant

SaniDate 5.0 is an effective sanitizer and disinfectant for use in fruit and vegetable packing lines. It is effective against plant and human health pathogens and provides immediate pathogen control on equipment and processing water. This alternative to chlorine is not pH dependant and leaves no residue on produce that will affect taste or quality.

- No additional chemical, dosing equipment or labor necessary
- Meets National Organic Program Standards
- Alternative to copper-based products

Available in 2.5, 5, 30, 55, and 275-gallon containers.

TIP: Direct inject into spray waters used on process lines
SaniDate® 15.0
Sanitizer and Raw Produce Wash

SaniDate 15.0 is ideal for commercial, industrial, and institutional operations performing large scale sanitizing of food contact surfaces and equipment. SaniDate 15.0 controls human health pathogens and spoilage organisms in fruit and vegetable processing waters.

- Ideal for wholesale produce packing
- Not pH dependant, no additional chemicals, dosing equipment, or labor necessary
- Highly-concentrated peroxyacetic acid chemistry recommended for larger water volume applications
- Fruits and vegetables can be sprayed or submerged to control human health pathogens and decay causing organisms

Available in 30, 55, and 275-gallon containers.

TIP: No rinse necessary, recommended prior to packaging fruits or vegetables

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SaniDate®FD
Microbiocide

SaniDateFD is a peroxyacetic acid based microbiocide specially blended for wash and rinse antimicrobial hurdles to control pathogens on processed fruits and vegetables. It is formulated to reduce browning on cut or peeled surfaces.

- Meets National Organic Program Standards
- Not pH dependant, no additional chemicals, dosing equipment, or labor necessary
- Recommended for large water volume applications
- Controls pathogenic bacteria including Salmonella, E. coli, and Listeria with no adulteration of product taste

Available in 30, 55, and 275-gallon containers.

TIP: FDA approved for direct contact on processed fruit and vegetables.
Cleaning, Sanitizing, and Disinfecting Solutions

BioSafe Systems’ line of cleaners are designed to be used with our sanitation and disinfection products, providing complete sanitation solutions. Proper cleaning of surfaces will allow a more effective use of control products such as algaecides, disinfectants, and sanitizers. This will also allow these products to be used at lower dilution rates on surfaces.

“Although we take it for granted, sanitation is a physical measure that has probably done more to increase human life span than any kind of drug or surgery.”

Deepak Chopra
GreenClean® Alkaline Cleaner
High Foaming Liquid Detergent

GreenClean Alkaline Cleaner is a concentrated, high foaming liquid detergent containing a blend of alkaline builders, dispersants, and wetting agents that lift away organic deposits and emulsify grease and oils. The blend of surfactants and alkaline detergent produce a rich, thick foam for extended contact times making GreenClean extremely effective in removing most water or oil saturated soils.

- High foaming for extended dwell time
- Do not use on soft metals or painted surfaces
- Use with portable tank foamer (BioFoamer) or wall foamer for best results
- Rinse required

Available in 5, 30, 55, and 275-gallon containers.

**TIP:** Creates a thick foam that adheres to vertical and horizontal surfaces.

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GreenClean® CIP Cleaner
Alkaline Detergent

GreenClean CIP Cleaner is a heavy duty alkaline detergent formulated for low foaming, clean in place applications for removal of soils from food processing equipment. This caustic soda blend is recommended for cleaning stainless steel and should not be used on painted surfaces or soft metals.

- Brightens stainless steel equipment
- Cleans stubborn mineral and rust deposits
- Safe for use on most surfaces
- Professional strength formula

Available in 5, 30, 55, and 275-gallon containers.

**TIP:** Use in food processing plants, packing houses, dairy, and general industry.
GreenClean® Acid Cleaner
Phosphoric Acid Detergent

GreenClean Acid Cleaner is a heavy duty phosphoric acid detergent with wetting agents to brighten stainless steel surfaces, neutralize soaps, and remove hard water mineral deposits and rust. GreenClean Acid Cleaner can be used on stainless steel equipment, piping systems, process lines, vats, and conveyors. It can also be used for neutralization of alkalinity in hoses and liners. May be sprayed, circulated or used in soak tanks.

▪ Not pH dependant, no buffering required
▪ Effective against bacteria, fungi, algae, and biofilms, including general bacterial coliforms
▪ Highly stabilized water treatment solution
▪ Can be chemigated through solid set/overhead sprinklers, center pivot, and drip irrigation

Available in 30, 55, and 275-gallon containers.

TIP: Use in various treatment programs to maintain pathogen free irrigation water.

SaniDate® 5.0
Sanitizer/Disinfectant

SaniDate 5.0 is an EPA-registered peroxyacetic acid sanitizer effective against plant and human health pathogens. It is an excellent post rinse sanitizer for cleaned surfaces in all food and beverage operations. SaniDate 5.0 is also more effective than chlorine in removing biofilms.

▪ Not pH dependant
▪ Effective against bacteria, plant and human health pathogens, mold, and mildew
▪ Excellent alternative to chlorine
▪ Not corrosive at recommended rates
▪ No rinse required

Available in 50-pound bags.

TIP: Treated waters are permissible to be used without interruption.
SaniDate® Ready-to-Use Hard Surface Sanitizer/Disinfectant

SaniDate Ready to Use Hard Surface Sanitizer provides a pre-mixed sanitizing solution in a convenient 32 fl. oz. spray bottle. This product is ideal for controlling pathogens on hard surfaces at work stations during breaks or when time does not permit sanitizing the entire area.

- Ready to use activated peroxide sanitizer
- Kills 99.9% of bacteria on contact
- Contains no harsh chemicals
- Leaves no harmful residues

Available in 32 fl. oz. and 1-gallon containers.

**TIP:** Can be used to clean, sanitize, and deodorize all around your facility.

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SaniDate Sanitizing Wipes are disposable towels treated with a peroxyacetic acid sanitizer to clean and sanitize non-food contact surfaces in food processing plants.

- Kills *Staphylococcus aureaus* and *Klebsiella pneumoniae*
- Contains no harsh chemicals or abrasives
- Leaves no harmful residue; no rinsing required
- Alternative to alcohol based sanitizers that cause skin issues

Available in 125-count containers.

**TIP:** Use to sanitize moisture sensitive areas such as equipment control panels and switches.
GreenClean PRO uses an oxidation chemical reaction to kill bacteria, fungi, and spores. More specifically GreenCleanPRO reacts with the enzymes and proteins that make up simple cell organisms on contact. Use in areas prone to slippery conditions caused by algae and slime molds – GreenCleanPRO prevents and controls algae, bacteria, moss, fungi, slime molds/spores, and the odors these organisms cause.

- OMRI, Kosher, and National Science Foundation (NSF) certified
- Immediate oxidation for fast-acting results
- Releases vital oxygen as it works

Available in 50-pound pails and bags.

**TIP:** Use in various treatment programs to maintain pathogen free irrigation water.

Food Safety is not just a buzz-word, it’s a global paradigm shift in all of agriculture; from field to fork (quite literally) and we are here to help you through this ever-changing landscape.

Our products can be found everywhere you are.

If you are a grower, food safety actually begins right in the field. If you have an on-facility packing house, or you find yourself in storage, food processing, repacking, food services, grocers, animal processing and even shipping, we have you covered from floor to ceiling with EPA and FDA approved products to keep you and your customers protected.
Equipment

BioSafe Systems provides equipment for many food processing sanitation applications. Our team of technical representatives will work with you to address any gaps in your program. We offer a wide variety of equipment to make your treatment processes easier. From foggers to data logging readers we have the tools to fit your needs while using our sustainable chemistries.

Dispensing & Injecting – from handpumps to PAA injectors

Application Equipment – Fog, Foam, Spray

BioSecurity – Foot pads and boot washes

Testing – Test Strips, Drip-Titration Kits, Digital Test Strip Readers

Service

Our service representatives proudly extend our core values onsite with our customers and partners. We are proud to be a family owned and operated, customer-centric company dedicated to providing the highest quality products and service for our customers – so you can do the same for yours.

Call 888.273.3088 and talk to Kip for our full Equipment Brochure, or visit online at www.biosafesystems.com

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A Safe Food Supply Means:
Peace of Mind to Farmers and Families
Learn more
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