



# **BruTab<sub>6S</sub>**<sup>®</sup>

**Effervescent Disinfectant  
& Sanitizer Tablet**



**Biocidal Qualification Testing  
and Technical Information**



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## INTRODUCTION

BruTab 6S is a US EPA registered disinfectant and sanitizer, bleach alternative in effervescent tablet form. 6S = Strong, Surface / User friendly, Stable, Sustainable, Simple and Smells better than bleach. Effective against a broad range of microorganisms including *C. difficile* spores, *Hepatitis B*, *Norovirus* and *Canine parvovirus*. Single dose tablet delivers accurate strength solution every time, eliminating measure and pour guesswork.

# TESTING SUMMARY

Effective against *C. difficile* spores, **BruTab 6S** is a US EPA registered broad spectrum disinfectant and sanitizer as has been demonstrated by its performance in tests that are prescribed and regulated by the federal government under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

**BruTab 6S** is effective against the following organisms on visibly cleaned, hard, nonporous, inanimate surfaces:

## SPORES

	Spores	ATCC and/or Strain number	Disease/Effect
<b>1988 PPM SOLUTION</b>	<i>Clostridium difficile</i>	ATCC 43598	Colitis

## BACTERIA

	Bacteria	ATCC and/or Strain number	Disease/Effect
<b>479 PPM SOLUTION</b>	<i>Pseudomonas aeruginosa</i>	ATCC 15442	Septicemia
	<i>Salmonella enterica</i>	ATCC 10708	Food poisoning
	<i>Staphylococcus aureus</i>	ATCC 6538	Wound infections etc.
<b>958 PPM SOLUTION</b>	<i>Escherichia coli</i> 0157:H7	ATCC 35150	Food poisoning
	<i>Klebsiella pneumoniae</i>	ATCC 4352	Pneumonia
	<i>Staphylococcus aureus</i> MRSA & GRSA	ATCC 33592	Wound infections etc.
	<i>Staphylococcus epidermis</i>	ATCC 51624	Wound infections etc.

## VIRUSES

	Viruses	ATCC and/or Strain number	Disease/Effect
<b>479 PPM SOLUTION</b>	Influenza Virus (H1N1)	ATCC VR-99	Swine flu
	Respiratory syncytial virus	ATCC VR-26, Strain Long	Common cold
<b>958 PPM SOLUTION</b>	Canine distemper	ATCC VR-128, Strain Lederle	Canine distemper
	Canine parvovirus	ATCC VR-2017, Strain Cornell	Parvovirus disease
	<i>Enterococcus faecalis</i> Vancomycin Resistant	ATCC 51299	Enteritis etc.
	Hepatitis A (Hepadnavirus)	Strain HM-175	Hepatitis
	Hepatitis B (Duck)	Strain Grimaud	Hepatitis B
	Herpes simplex Type 1	ATCC VR-733, Strain F(1)	Herpes
	Human Immunodeficiency Type 1	Strain HTLV-III <sub>B</sub>	AIDS
	Newcastle disease	ATCC VR-108, Strain B1 Hitchner or Blacksburg	Newcastle disease
	Norovirus	Surrogate virus – Feline calicivirus ATCC VR-782, Strain F-9	Gastroenteritis
	Poliovirus Type 1	ATCC VR-1000, Strain Brunhilde	Polio
	Pseudorabies	ATCC VR- 135, Strain Aujeszky	Aujeszky's disease

# TESTING SUMMARY CONTINUED ...

## FUNGI

	Fungi	ATCC and/or Strain number	Disease/Effect
958 PPM SOLUTION	Trichophyton mentagrophytes	ATCC 9533	Athlete's Foot

## FOOD CONTACT SURFACE SANITIZER

When used at 100 ppm solution, applied as outlined under Sanitizer Directions, **BruTab 6S** is an effective food contact surface sanitizer.

	Bacteria	ATCC and/or Strain number	Disease/Effect
100 PPM SOLUTION	Salmonella typhi	ATCC 6539	Typhoid fever
	Staphylococcus aureus	ATCC 6538	Wound infections etc.

## ANIMAL PATHOGENS

When used at 958 ppm solution, applied as outlined under Disinfection/Virucidal Directions, **BruTab 6S** is effective against the following animal pathogens:

*Actinobacillus pleuropneumoniae*

*African swine fever* \*

*Avian influenza*

*Avipox (fowl pox)* \*

*Bordetella bronchiseptica (rhinitis)*

*Brachyspira hyodysenteriae (swine dysentery)*

*Canine distemper*

*Infectious canine hepatitis*

*Clostridium perfringes*

*Feline calicivirus*

*Gumboro disease*

*Hog cholera/Classical swine fever* \*

*Porcine parvovirus*

*Runting and stunting virus (tenosynovitis)*

*Streptococcus dysgalactiae*

*Streptococcus uberis*

*Swine Vesicular disease* \*

*Teschen/Talfan disease*

*Transmissible gastroenteritis (TGE)* \*

\*Requires 30 minute contact time, all others are 10 minute contact time.

## STABILITY DATA

A stability study was carried out in April 2013. In this study it was found that solutions made up of the following strengths, 500 ppm, 1000 ppm and 2000 ppm active chlorine, retained the required chlorine activity after storage for 7 days in a closed container at room temperature in the dark.

Based on this, **BruTab 6S** solutions can be used for up to 7 days if stored in a closed container such as a spray bottle or buddy bottle at room temperature out of direct sunlight.

The solution should be replaced each week with freshly made solution.



# PHYSICAL AND CHEMICAL SPECIFICATIONS

Active Ingredient: Sodium dichloro-s-triazinetriene	48.21 %
Working pH	6.5 +/- 0.5
Color	Clear
Odor	Slight Chlorine
HMIS Health Rating Tablet	1
HMIS Health Rating In-Use	1



## MATERIAL SUBSTRATE COMPATIBILITY

Sodium dichloro-s-triazinetriene tablets dissolved in water produce a solution of active chlorine. The following chart shows the compatibility of a variety of materials with solutions up to 2,000 mg/L of active chlorine.

Plastics	Compatibility
ABS	A
CPVC	A
Hytrel®	A
HDPE	A
LDPE	A
Noryl®	A
Polycarbonate	A
Polypropylene	A
PPS	A
PTFE	A
PVC	A
PVDF	A

Elastomers	Compatibility
Nitrile (Buna N)	A
EPDM	A
Hypalon®	A
Kel-F®	A
Santoprene®	A
Silicone	B
Tygon®	A
Viton®	A

Metals	Compatibility
SS 304	A
SS 316	A
Aluminum	A
Brass	B
Bronze	B
Carbon Steel	C
Cast iron	C
Hasteloy C®	A
Titanium	A
Nonmetals	Compatibility
Carbon graphite	A
Ceramic A1203	A
Ceramic magnet	A

### Explanation of Ratings — Chemical Effect

A = Excellent.

B = Good – Minor Effect, slight corrosion or discoloration.

C = Fair – Moderate Effect, OK for short term use.

Not recommended for continuous use. Some pitting may occur.

D = Severe Effect, not recommended for any use.





**ACTIVE INGREDIENT:**  
Sodium dichloro-s-triazinetriene ..... 48.21%  
**OTHER INGREDIENTS:** ..... 51.79%  
**TOTAL** ..... 100.00%

## KEEP OUT OF REACH OF CHILDREN DANGER

See side panels for additional precautionary statements and first aid.

**Healthcare Institutional Industrial.** For use in Cleaning and Disinfection in beverage and food processing plants, schools, hospitals, nursing homes, child care centers, restaurants, stores, veterinary clinics, zoos and aquariums, dairy farms, farms, poultry premises, industrial facilities, kennels, boarding facilities, laboratories, lab animal facilities, institutions, catering, kitchens, Intensive Care Unit, operating rooms, dental facilities, gyms, health clubs, and restrooms.

Effective against clostridium difficile spores. Effective against hepatitis A and hepatitis B.

**BruTab 6S** is effective against the following micro-organisms on visibly cleaned, hard, non-porous, inanimate surfaces: *Salmonella enterica*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, *Staphylococcus epidermidis*, *Escherichia coli* O157:H7, *Staphylococcus aureus* – MRSA & GRSA, *Poliovirus type 1*, *Herpes simplex virus type 1*, *Hepatitis A virus*, *Hepatitis B virus*, *Human Immunodeficiency Virus Type 1* (associated with AIDS) or (AIDS Virus), *Influenza virus H1N1*, respiratory syncytial virus, *Canine Parvovirus*, *Newcastle Disease Virus*, *Pseudorabies*, *Canine Distemper Virus*, *Feline Calicivirus*, *Norovirus*, *Enterococcus faecalis* Vancomycin Resistant, *Trichophyton mentagrophytes*, and *Clostridium difficile*.

**BruTab 6S** is designed to provide effective cleaning, and disinfection in areas where it is of prime importance in controlling the hazard of cross contamination on treated visible cleaned, hard, non-porous, inanimate surfaces.

**BruTab 6S** is for use in:

- Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.
- Day care centers and nurseries.
- Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, zoos, pet shops, and other animal care facilities.

**BruTab 6S** is a disinfectant that disinfects visibly cleaned, hard, non-porous, inanimate surfaces. This cleaning process may be accomplished with any cleaner solution including **BruTab 6S**.

**BruTab 6S** provides effective cleaning strength that will not dull high gloss floor finishes with repeated use.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER: Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through skin.** Do not get in eyes, on skin, or clothing. Avoid breathing dust. Wear chemical-resistant gloves and safety glasses or face shield when making up solution. Wash thoroughly with soap and water after handling, and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

## FIRST AID:

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. **IF SWALLOWED:** Call a poison control center, or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. **IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. **IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. **YOU MAY ALSO CONTACT 1-800-420-9236 FOR EMERGENCY MEDICAL TREATMENT INFORMATION.**

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**PHYSICAL OR CHEMICAL HAZARDS: STRONG OXIDIZING AGENT:** Use only clean dry utensils. Mix only into water. Contamination with moisture, dirt, organic matter or other chemicals (including other chemicals) or any other foreign matter may start a chemical reaction with generation of heat, liberation of hazardous gases and possible generation of fire and explosion. Avoid any contact with flaming or burning material such as a lighted cigarette. Do not use this product in any chlorinating device which has been used with any inorganic or unstabilized chlorinating compounds (e.g., calcium hypochlorite). Such use may cause fire or explosion.

Tablet Size	0.33g		1.7g		3.3g		6.55g		13.1g	
Solution ppm (mg/L) Available Chlorine	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Gallons of Water	Tablets	Gallons of Water
100	1	1	1	5	1	10	1	5	1	10
479	5	1	1	1	1	2	1	1	1	2
958	10	1	2	1	1	1	1	0.5	1	1
1988	20	1	4	1	2	1	1	0.25	1	0.5

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label and use strictly in accordance with precautionary statements and directions.

**BruTab 6S** is a Hospital Use Disinfectant. General Healthcare disinfectant (479ppm available chlorine disinfectant solution) is effective against standard gram positive and gram negative bacteria (*Staphylococcus aureus*, *Pseudomonas aeruginosa* and *salmonella enterica*) and Cold and flu viruses (respiratory syncytial virus, influenza H1N1).

**BruTab 6S** is also effective as a Healthcare disinfectant for critical areas potentially contaminated with C.Diff spores when used at a level of 1988ppm available chlorine disinfectant solution.

**Notice to User:** This product is not to be used as a terminal sterilant/high level disinfectant on any surface or instrument that (1) is introduced directly into the human body, either into or in contact with the blood stream or normally sterile areas of the body, or (2) contacts intact mucous membranes but which does not ordinarily penetrate the blood barrier or otherwise enter normally sterile areas of the body. This product may be used to visibly clean or decontaminate critical or semi-critical medical devices prior to sterilization or high level disinfection.

## GENERAL DISINFECTION

**BruTab 6S** is a general disinfectant at 479ppm available chlorine disinfectant solution effective against *Staphylococcus aureus*, *salmonella enterica*, *Pseudomonas aeruginosa* and cold and flu (respiratory syncytial virus, influenza H1N1). Prepare a 479ppm solution (refer to Dilution Chart). Clean surface then apply solution with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

## DISINFECTION/VIRUCIDAL DIRECTIONS:

Prepare a 958ppm solution; (refer to Dilution Chart). Apply use solution to visible cleaned, hard, non-porous, inanimate surfaces with brush, spray device, sponge, cloth, or mop to wet all surfaces thoroughly. Allow to remain wet for 10 minutes, then remove product by wiping with brush, sponge, or cloth. For sprayer applications use a coarse spray device. Spray 6-8 inches from surface, and rub with brush, sponge, wipe or cloth. Do not breathe spray mist. Before using this product, food products and packaging materials must be removed from the room or carefully protected. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**Kills HIV-1, Hepatitis A, and Hepatitis B viruses on VISIBLY CLEANED ENVIRONMENTAL SURFACES/OBJECTS PREVIOUSLY SOILED WITH BLOOD/BODY FLUIDS** in health care settings or other settings in which there is an expected likelihood of soiling of inanimate surfaces/objects with blood or body fluids, and in which the surfaces/objects likely to be soiled with blood or body fluids can be associated with the potential for transmission of human immunodeficiency virus Type 1 (HIV-1) (associated with AIDS), Hepatitis A virus, and Hepatitis B virus.

## SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION AGAINST HIV-1 OF SURFACES/OBJECTS SOILED WITH BLOOD/BODY FLUIDS:

**PERSONAL PROTECTION:** Specific barrier protection items to be used when handling items soiled with blood or body fluids are disposable latex gloves, gowns, masks, and eye coverings. **CLEANING PROCEDURE:** Blood and other body fluids must be thoroughly cleaned from surfaces and objects before application of **BruTab 6S**. This cleaning process may be accomplished with any cleaning solution including **BruTab 6S**. **DISPOSAL OF INFECTIOUS MATERIALS:** Blood and other body fluids should be autoclaved and disposed of according to federal, state and local regulations for infectious waste disposal. **CONTACT TIME:** Leave surfaces wet for 10 minutes.

## ANIMAL PATHOGENS:

When used at 958ppm solution, applied as outlined under Disinfection/Virucidal Directions, **BruTab 6S** is effective against the following animal pathogens: *Feline Calicivirus*, *Norovirus*, *Canine Distemper virus*, *Infectious Canine hepatitis*, *Teschen/Talfan disease*, *Avian influenza*, *Porcine parvovirus*, *Runting & Stunting virus* (tenosynovitis), *Actinobacillus pleuropneumoniae*, *Bordetella bronchiseptica* (rhinitis), *Brachyspira* (*Treponema/Serpulina*) *hyodysenteriae* (swine dysentery), *Gumboro disease*, *Streptococcus uberis*, *Streptococcus dysgalactiae*, and *Clostridium perfringens* USDA with a 10 minute contact time. For *Transmissible gastroenteritis* (TGE), *Swine Vesicular disease*, *African swine fever*, *Hog cholera/Classical swine fever*, and *Avipox* (fowl pox), a 30 minute contact time is required. Re-apply product as necessary to ensure surface remains wet.

## SPECIAL INSTRUCTIONS FOR CLEANING AND DECONTAMINATION IN ANIMAL HOUSING FACILITIES:

1. Remove all animals and feed from premises, vehicles, and enclosures.
2. Remove all litter and manure from floors, walls and surfaces of barns, pens, stalls, chutes, and other facilities and fixtures occupied or traversed by animals.
3. Empty all troughs, racks, and other feeding and watering appliances.
4. Thoroughly clean all surfaces with soap or detergent and rinse with water.
5. Saturate all surfaces with 958 ppm available chlorine disinfecting solution for a period of 10 minutes.
6. Immerse all halters, ropes, and other types of equipment used in handling and restraining animals, as well as forks, shovels, and scrapers used for removing litter and manure.
7. Ventilate buildings, cars, boats, and other closed spaces. Do not house livestock or employ equipment until treatment has been absorbed, set, or dried.
8. Thoroughly scrub all treated feed racks, mangers, troughs, automatic feeders, fountains, and waterers with soap or detergent, and rinse with potable water before reuse.

Sold by: **Bruhin & Co., Inc.**  
Indianapolis, IN 46205 • 1.800.776.7149

Reorder Product No. 161021

EPA Reg. No. 71847-6-106      LN-3883/0314  
EPA Est. No. 71847-IRL-001      EPA 14 March 14





## DISINFECTION FOR SURFACES CONTAMINATED WITH CLOSTRIDIUM DIFFICILE Special Label Instructions for Cleaning Prior to Disinfection against Clostridium difficile spores:

**Personal Protection:** Wear appropriate barrier protection such as gloves, gowns, masks or eye covering.

**Cleaning Procedure:** Fecal matter/waste must be thoroughly cleaned from surfaces/objects before disinfection by application with a clean cloth, mop, and/or sponge saturated with the disinfectant product. Cleaning is to include vigorous wiping and/or scrubbing, until all visible soil is removed. Special attention is needed for high-touch surfaces. Surfaces in patient rooms are to be cleaned in an appropriate manner, such as from right to left or left to right, on horizontal surfaces, and top to bottom, on vertical surfaces, to minimize spreading of the spores. Restrooms are to be cleaned last. Do not reuse soiled cloths.

**Infectious Materials Disposal:** Materials used in the cleaning process that may contain feces/wastes are to be disposed of immediately in accordance with local regulations for infectious materials disposal.

Prepare a 1988ppm solution; (refer to Dilution Chart). Clean surface then apply solution with mop, cloth, sponge, brush, wipe, foaming equipment, or coarse trigger sprayer. Allow surface to remain wet for 10 minutes. Allow to air dry. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

**To Pre-clean Instruments Prior to Terminal Sterilization/High Level Disinfection**  
Prepare a 1988ppm solution. As a pre-cleaning spray- Place instruments into a suitable container, spray BruTab 6S onto instruments to thoroughly wet all surfaces. Let stand for up to 10 minutes. Rinse instruments.

As a pre-cleaning immersion solution - Fill appropriate size container with a sufficient amount of BruTab 6S to completely submerge instruments. Place instruments into the container of BruTab 6S, cover, and allow to soak for up to 10 minutes. Remove and rinse and follow with an appropriate cleaning and disinfecting process. Change solution daily.

As a manual instrument cleaner - Thoroughly pre-rinse dirty instruments under running water to remove visible gross debris. Immerse pre-rinsed instruments into an appropriate size container filled with BruTab 6S. Scrub instruments using a stiff bristle brush until visibly clean. Submerge instruments while scrubbing. Rinse instruments thoroughly. Change solution daily. Follow with an appropriate disinfection process. Cleaning of critical and semi-critical devices must be followed by an appropriate terminal sterilization/high level disinfection process.

**To Disinfect Non-Critical Pre-Cleaned Instruments** - Instruments must be thoroughly pre-cleaned to remove excess organic debris rinsed and rough dried. Clean and rinse lumens of hollow instruments before filling with BruTab 6S or before immersion. Immersion method using a soaking tray immerses instruments into BruTab 6S and let stand for one or 1 minute.

Change solution for each use. Spray method - Spray all surfaces of instruments with BruTab 6S until thoroughly wet. Let stand for one or 1 minute.

## SANITIZER FOR FOOD AND BEVERAGE PROCESSING AND FOOD HANDLING OPERATIONS

Prepare a 100ppm solution; refer to dilution chart for the number of tablets to use. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse.

This product is recommended for sanitizing all types of hard, non-porous equipment and utensils used in food processing and canning plants, bottling plants, breweries, fish processing plants, meat and poultry processing plants, milk handling and processing plants, stores, restaurant and institutional dining establishments. Use a 100 ppm available chlorine solution (refer to Dilution Chart) to sanitize previously cleaned processing and packaging equipment. Allow at least a one minute contact time before draining. Allow adequate draining before contact with beverages.

## SANITIZING HARD, NON-POROUS SURFACES, DISHES, GLASSES, FOOD PROCESSING EQUIPMENT AND UTENSILS, DAIRY AND BREWERY EQUIPMENT AND UTENSILS

Prepare a 100ppm solution; refer to dilution chart for the number of tablets to use. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse. This product is an effective sanitizing agent. Treatment with this product throughout food and beverage processing and food handling operations can help ensure the quality and safety of the final product.

## HANDWASHING OF ITEMS

1. Remove all gross food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine sanitizing solution (refer to Dilution Chart).
3. Place equipment, utensils, dishes, glasses, etc. in the solution or apply the use solution to surfaces using a cloth, sponge, or coarse sprayer.
4. Allow to stand at least one minute, drain the excess solution from the surface, and allow to air dry.
5. Fresh sanitizing solution must be prepared at least daily or more often if the solution becomes diluted or soiled.

## MACHINE WASHING OF ITEMS

1. Remove all gross food particles and soil by a preflush or prescrape and, when necessary, presoak treatment. Wash surfaces or objects with a good detergent or compatible cleaner, followed by a potable water rinse before application of the sanitizing solution.
2. Prepare a 100 ppm available chlorine solution (refer to Dilution Chart).
3. Add the solution to the feed tank of immersion or spray type machines that can provide at least one minute contact time for sanitizing dishes, glasses, food processing equipment, or utensils. Allow to drain and air dry before use.
4. Promptly use the sanitizing solution. Prepared solutions cannot be reused for sanitizing but may be used for other purposes, such as cleaning.

## SHOE AND BOOT BATH SANITIZER

To prevent cross contamination into treated animal areas and the packaging and storage areas of food plants. Shoe and Boot baths containing one inch of freshly made 100 ppm available chlorine (refer to Dilution Chart) should be placed at all entrances to buildings, hatcheries, and at all the entrances to the production and packaging rooms. Scrape waterproof shoes and boots and place into solution for at least one minute prior to entering area. Change the sanitizing solution in the bath at least daily or sooner if solution appears diluted or dirty.

## MILK HANDLING AND PROCESSING EQUIPMENT

This product can be used on dairy farms and in plants processing milk, cream, ice cream, and cheese. Rinse milking machines, utensils, and all equipment with cold water to remove excess milk. Clean and rinse prior to sanitizing. To sanitize, spray or rinse all visibly cleaned surfaces with 100 ppm available chlorine solution (refer to Dilution Chart). Allow adequate draining before contact with dairy products.

It is important to clean out large deposits of milk or other organic matter before sanitizing. A sharp decline in the available chlorine content of the sanitizer following circulation through milk processing equipment is usually regarded as evidence of inadequate cleaning of the equipment and should be promptly investigated.

## SANITIZING APPLICATION METHODS

Prepare a 100ppm solution; refer to dilution chart for the number of tablets to use. Prepare a fresh solution weekly when using closed containers (spray bottles). Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted. All treated equipment that will contact food, feed, or drinking water must be rinsed with potable water before reuse. Freshly prepare all sanitizing solutions. Test solutions during use to ensure the concentration does not drop below the recommended level. Keep in properly labeled containers to protect against contamination. Discard unused solutions.

## SPRAY METHOD OF SANITIZING EQUIPMENT

The spray (or fog) method is generally used to sanitize large, non-porous surfaces that have already been freed of physical soil. It is appropriate for batch pasteurizers, holding tanks, weigh tanks, tank trucks and cars, vats, tile walls, ceilings, and floors. Clean all surfaces after use. Prepare a solution containing 100 ppm available chlorine (refer to Dilution Chart). Use pressure spraying or fogging equipment designed to resist chlorine-containing solutions (e.g. rubber-coated, plastic or stainless steel). When using any other kind of spraying equipment, always empty and thoroughly rinse the spray/fog equipment with potable water immediately after treatment. Apply spray or fog heavily to all surfaces the product will touch. Thoroughly spray (or fog) all treated surfaces, corners and turns until wet. Allow at least a one minute contact time before draining. Allow excess solution to drain and air dry then place in service. Vacate area for at least two hours.

**GENERAL RINSE METHOD** Prepare a solutions containing 100 ppm available chlorine (refer to Dilution Chart) sanitize plant floors, walls and ceilings, and also control odors in refrigerated areas and drain platforms. Generously flush or swab surfaces with the solution. After one minute contact time allow solution to drain and then air dry.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage and disposal.

**PESTICIDE STORAGE:** Store in a cool, dry, well-ventilated area at a temperature below 40°C/104°F. Avoid moisture getting into container.

**PESTICIDE DISPOSAL:** Pesticides may be acutely hazardous. Wastes resulting from the use of this product must be disposed of on-site, or at an approved waste disposal facility.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill.

Tablet Size	0.33g		1.7g		3.3g		6.55g		13.1g	
Solution ppm (mg/L) Available Chlorine	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Quarts of Water	Tablets	Gallons of Water	Tablets	Gallons of Water
100	1	1	1	5	1	10	1	5	1	10
479	5	1	1	1	1	2	1	1	1	2
958	10	1	2	1	1	1	1	0.5	1	1
1988	20	1	4	1	2	1	1	0.25	1	0.5

Sold by: **Bruhin & Co., Inc.**  
Indianapolis, IN 46205 • 1.800.776.7149

Reorder Product No. 161021

EPA Reg. No. 71847-6-106 LN-3883/0314  
EPA Est. No. 71847-IRL-001 EPA 14 March 14

# PACKAGING INFORMATION

Tablet Size	Dilution	Package Size	Product Code
<b>General Bleach Alternative – Hospital Disinfectant</b>			
1.7 gram tablet For Quarts	1 Tablet Per Quart* 2 Tablets Per Quart** 4 Tablets Per Quart***	100 Tablets per tub/ 12 Tubs per case	161021-8F
6.55 gram tablet For Gallons	1 Tablet Per Gallon* 2 Tablets Per Gallon** 4 Tablets Per Gallon*** 1 Tablet Per 5 Gallons****	256 Tablets per Tub/ 4 Tubs per case	161021-8M

<b>Health Care – Animal Care – Critical Care Areas</b>			
3.34 grams For Quarts	1 Tablet Per Quart** 2 Tablets Per Quart***	200 Tablets per tub/ 6 Tubs per case	161021-8G
13.1 grams For Gallons	1 Tablet Per Gallon** 2 Tablets Per Gallon*** 1 Tablet Per 10 Gallons****	256 Tablets per tub/ 2 Tubs per case	161021-8N

<b>Food Contact Surface Sanitizer</b>			
334 milligrams For Quarts	1 Tablet Per Quart****	100 Tablets per carton/12 Cartons per case	161021-8L

\* Hospital Disinfectant Claim (Bleach Alternative) = 479 ppm

\*\* Bloodborne Pathogens, Canine parvovirus, Norovirus Claim = 958 ppm

\*\*\* C. difficile spore Claim = 1988 ppm

\*\*\*\* Food Contact Surface Sanitizer Claim = 100 ppm

## Brulin & Co., Inc.

Since 1935, Brulin has provided innovative solutions for cleaning and maintenance professionals in a wide range of industries including Commercial & Industrial Building Maintenance, Health Care Facilities and Industrial & Process Manufacturers.

- Distinctive Programs
- ISO 9001:2008 Certified
- Direct Field Support from Brulin Specialists
- International Distribution Network
- Personalized Marketing Solutions

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