brulin™

BruTab 65®

Multi-Purpose Effervescent Tablets

How NaDCC Works

How it differs from traditional Hypochlorite Bleach

The active ingredient in **BruTab 6S** is Sodium dichloro-s-triazinetrione (NaDCC), which produces an Available Chlorine solution that is very effective as a disinfecting and sanitizing agent against a broad spectrum of micro-organisms.

While **BruTab 6S** does provide chlorine, it is not a hypochlorite as is traditional bleach. There are significant differences that need to be understood to differentiate the two product types.

Sodium hypochlorite in bleach is stabilized with caustics and as a result, it has a pH of 11 or higher. NaDCC on the other hand has a neutral pH of ~6.5 when dissolved in water making NaDCC less harmful to **surfaces** and skin than acidic and alkaline disinfectants.

Once in solution, NaDCC releases approximately 50% of its total chlorine content as Free Available Chlorine (FAC) which is the active disinfection agent. As the FAC is consumed during the disinfection process, the NaDCC continues to release chlorine maintaining the 50/50 equilibrium in solution for longer lasting disinfection power than bleach. Sodium hypochlorite releases all its chlorine content immediately and once consumed there is no replenishment making it less effective.

FAC exists in two forms, Hypochlorous acid (HOCl) found in **BruTab 6S** solutions and Hypochlorite ion (OCl-) found in a bleach solution. Studies have shown that Hypochlorous acid has **4X** (four times) more disinfection power than the hypochlorite ion. HOCl is very similar to the water molecule allowing it to easily penetrate through the negatively charged cell wall. Once the HOCl enters the micro-organism, it destroys the nucleus of the cell completing the disinfection process. The Hypochlorous acid found in bleach is used up very quickly, it doesn't penetrate the cell as easily and solutions must be replaced more often, especially in the presence of organic loads.

These differences lead to the unique advantages of **BruTab 6S**:

- Delivers more potent, longer lasting disinfection power in the form of Hypochlorous acid **– Strong** and **Cost Effective**
- Has long lasting, available chlorine in reserve.
- Its tablet form is Stable for 3 years from date of manufacture. Bleach concentrates have a 6 month shelf life **– Stable/Sustainable** product
- Neutral pH is less damaging to surfaces and equipment than acidic and alkaline disinfectants.

BruTab6S®

1 STRONG

One product for use throughout an entire facility

US EPA Registered Cleaner-Disinfectant with efficacy against *C. difficile* spores, TB, and other microorganisms in 4 minutes. Kills Norovirus, Hepatitis A Virus, Hepatitis B Virus, Hepatitis C Virus and HIV-1 in 1 minute. Hospital Disinfectant. Complies with surface disinfection requirements of OSHA Bloodborne Pathogens Standard. Sanitizer Claim for Food Service Applications; Kills *Canine Parvovirus*.

Dilution and contact times vary by organism.

2 SURFACE/USER FRIENDLY

Neutral pH is less damaging to surfaces and equipment than acidic and alkaline disinfectants.

Neutral pH similar to skin. Will not dull floor finishes. Safe on most colorfast fabrics.

* *Always test small area of clothing for color fastness before using.*

3 STABLE

Economical — lasts longer resulting in less waste

Longer shelf life in tablet form than bleach – years compared to months for bleach. Continues working in the presence of organic load (i.e. blood and dirt). Sodium dichloro-s-triazinetrione retains killing power due to a 50 / 50 chemical equilibrium that continues to generate hypochlorous acid to replace that which is being used up in the process of destroying micro-organisms or contact with organic loads.

4 SUSTAINABLE

Cost-savings in multiple ways: Storage, Shipping, Handling, Waste Minimization

Small tablet size: Reduces SKUs – less warehouse space required to stock product compared to bleach and other liquid disinfectants. Reduces shipping costs. Non-hazardous shipping. Reduces packaging waste.

5 SIMPLE

Ease of training and usage

Exact dosage every time delivers accurate strength solution. Eliminates “measure and pour” guesswork. No dispensing equipment required.

6 SMELLS CLEAN

Leaves areas smelling clean and disinfected

Ideal for all areas in the facility including patient rooms, restrooms and shower rooms.

13.1g Tablets

PACKAGING INFORMATION

Availability

Product No. 161021
- 256 Tablet Tub/2 (8N)

BruTab 6S® is a US EPA registered broad spectrum disinfectant, virucide and food contact surface 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).

DILUTION CHART

Tablet Size	13.1 g	
Solution ppm (mg/L) Available Chlorine	Tablets	Gallons of Water
100	1	10
538	1	2
1076	1	1
2153	2	1
4306	4	1
5382	5	1

Use-dilution labels available for prepared solution.

EPA Reg. No. 71847-6-106
ESL102721

Refer to label for directions for use, claims and other organisms.

TESTING SUMMARY

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/or Strain Number and/or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
Clostridioides difficile spores	Spores	ATCC 43598	Colitis		4 per gal. (4306 ppm)	2 per gal. (2153 ppm)
Mycobacterium bovis (TB)	Bacteria	ATCC 35743	Tuberculosis (TB)		5 per gal. (5382 ppm)	
Acinetobacter baumannii	Bacteria	ATCC BAA-1709	Wound infections etc.		4 per gal. (4306 ppm)	
Vancomycin Resistant *Enterococcus faecalis* (VRE)	Bacteria	ATCC 51575	Enteritis etc.		4 per gal. (4306 ppm)	1 per gal. (1076 ppm)
Escherichia coli 0157:H7	Bacteria	ATCC 35150	Food poisoning			1 per gal. (1076 ppm)
Klebsiella pneumoniae	Bacteria	ATCC 4352	Pneumonia			1 per gal. (1076 ppm)
Carbapenem resistant *Klebsiella pneumoniae*	Bacteria	ATCC BAA-1705	Pneumonia		4 per gal. (4306 ppm)	
Pseudomonas aeruginosa	Bacteria	ATCC 15442	Septicemia		4 per gal. (4306 ppm) 1 per gal. (1076 ppm)	
Salmonella enterica	Bacteria	ATCC 10708	Food poisoning		4 per gal. (4306 ppm) 1 per gal. (1076 ppm)	
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.		4 per gal. (4306 ppm) 1 per gal. (1076 ppm)	
Staphylococcus aureus MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		4 per gal. (4306 ppm)	1 per gal. (1076 ppm)
Staphylococcus epidermidis	Bacteria	ATCC 51624	Wound infections etc.			1 per gal. (1076 ppm)
Streptococcus pneumoniae	Bacteria	ATCC 6305	Pneumonia		4 per gal. (4306 ppm)	

TESTING SUMMARY

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/ or Strain Number and/ or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**2 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
SARS Associated Coronavirus 2 (SARS-CoV-2)	Virus (Enveloped)	Strain Isolate USA-WA1/2020	COVID-19			1 per gal. (1076 ppm)	
Coxsackievirus	Virus (Non-Enveloped)	ATCC VR-30	Hand, foot and mouth disease	4 per gal. (4306 ppm)			
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175/18f	Hepatitis A	4 per gal. (4306 ppm)			1 per gal. (1076 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per gal. (2153 ppm)			
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000	Polio				1 per gal. (1076 ppm)
Rhinovirus (Type 14)	Virus (Non-Enveloped)	ATCC VR284	Common cold				1 per gal. (1076 ppm)
Avian Influenza A Virus (H5N1)	Virus (Enveloped)	CDC #2006719965	Flu	4 per gal. (4306 ppm)			
Hepatitis B Virus	Virus (Enveloped)	Duck Hepatitis B (DHBV)	Hepatitis B	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)		
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus Strain NADL	Hepatitis C	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)		
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733	Herpes				1 per gal. (1076 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain IIIB	AIDS	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)		
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu				1 per gal. (1076 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26	Common cold				1 per 2 gal. (538 ppm)
Aspergillus fumigatus	Fungi	ATCC 36607	Respiratory infections	4 per gal. (4306 ppm)			
Candida Auris	Fungi	CDC AR-0381	Bloodstream/ wound infections		4 per gal. (4306 ppm)		
Candida albicans	Fungi	ATCC 10231	Thrush & Yeast Infections			4 per gal. (4306 ppm)	
Trichophyton interdigitale	Fungi	ATCC 9533	Athlete's foot				1 per gal. (1076 ppm)

Animal Microorganisms		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time with organic soil load # tablets (ppm Solution)	**4 minute** contact time with organic soil load # tablets (ppm Solution)	**10 minute** contact time with organic soil load # tablets (ppm Solution)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017	Parvovirus disease			1 per gal. (1076 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per gal. (2153 ppm)		1 per gal. (1076 ppm)
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128	Canine distemper			1 per gal. (1076 ppm)
Newcastle Disease Virus	Virus (Enveloped)	ATCC VR-180	Newcastle disease			1 per gal. (1076 ppm)
Pseudorabies Virus	Virus (Enveloped)	ATCC VR-135	Aujesky's disease			1 per gal. (1076 ppm)

See page 12 for complete list

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		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time # tablets (ppm Solution)
Salmonella enterica	Bacteria	ATCC 6539	Food poisoning	1 per 10 gal. (100 ppm)
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.	1 per 10 gal. (100 ppm)
Listeria monocytogenes	Bacteria	ATCC 19117	Food poisoning	1 per 10 gal. (100 ppm)

TESTING SUMMARY (13.1g Tablets)
WHEN USING AN ELECTROSTATIC SPRAYER DEVICE

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/or Strain Number and/or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
Acinetobacter baumannii	Bacteria	ATCC BAA-1709	Wound infections etc.		4 per gal. (4306 ppm)	
Vancomycin Resistant *Enterococcus faecalis* (VRE)	Bacteria	ATCC 51575	Enteritis etc.		4 per gal. (4306 ppm)	
Escherichia coli 0157:H7	Bacteria	ATCC 35150	Food poisoning			4 per gal. (4306 ppm)
Klebsiella pneumoniae	Bacteria	ATCC 4352	Pneumonia			4 per gal. (4306 ppm)
Carbapenem resistant *Klebsiella pneumoniae*	Bacteria	ATCC BAA-1705	Pneumonia		4 per gal. (4306 ppm)	
Pseudomonas aeruginosa	Bacteria	ATCC 15442	Septicemia		4 per gal. (4306 ppm)	
Salmonella enterica	Bacteria	ATCC 10708	Food poisoning		4 per gal. (4306 ppm)	
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.		4 per gal. (4306 ppm)	
Staphylococcus aureus MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		4 per gal. (4306 ppm)	
Staphylococcus epidermidis	Bacteria	ATCC 51624	Wound infections etc.			4 per gal. (4306 ppm)
Streptococcus pneumoniae	Bacteria	ATCC 6305	Pneumonia			4 per gal. (4306 ppm)

TESTING SUMMARY (13.1g Tablets)
WHEN USING AN ELECTROSTATIC SPRAYER DEVICE

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/ or Strain Number and/ or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**2 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
SARS Associated Coronavirus 2 (SARS-CoV-2)	Virus (Enveloped)	Strain Isolate USA-WA1/2020	COVID-19			2 per gal. (1076 ppm)	
Coxsackievirus	Virus (Non-Enveloped)	ATCC VR-30	Hand, foot and mouth disease	4 per gal. (4306 ppm)			
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175/18f	Hepatitis A	4 per gal. (4306 ppm)			2 per gal. (2153 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per gal. (2153 ppm)			
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000	Polio				2 per gal. (2153 ppm)
Rhinovirus (Type 14)	Virus (Non-Enveloped)	ATCC VR284	Common cold				2 per gal. (2153 ppm)
Avian Influenza A Virus (H5N1)	Virus (Enveloped)	CDC #2006719965	Flu	4 per gal. (4306 ppm)			
Hepatitis B Virus	Virus (Enveloped)	Duck Hepatitis B (DHBV)	Hepatitis B	2 per gal. (2153 ppm) 4 per gal. (4306 ppm)			
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus Strain NADL	Hepatitis C	4 per gal. (4306 ppm)	2 per gal. (2153 ppm)		
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733	Herpes				2 per gal. (2153 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain IIIB	AIDS	4 per gal. (4306 ppm)	2 per gal. (2153 ppm)		
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu				2 per gal. (2153 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26	Common cold				2 per gal. (2153 ppm)

Animal Microorganisms		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time with organic soil load # tablets (ppm Solution)	**4 minute** contact time with organic soil load # tablets (ppm Solution)	**10 minute** contact time with organic soil load # tablets (ppm Solution)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017	Parvovirus disease			2 per gal. (2153 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per gal. (2153 ppm)		
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128	Canine distemper			2 per gal. (2153 ppm)
Newcastle Disease Virus	Virus (Enveloped)	ATCC VR-180	Newcastle disease			2 per gal. (2153 ppm)
Pseudorabies Virus	Virus (Enveloped)	ATCC VR-135	Aujesky's disease			2 per gal. (2153 ppm)

See page 13 for complete list

3.3g Tablets

PACKAGING INFORMATION

Availability

Product No. 161021
- 200 Tablet Tub/6 (8G)

BruTab 6S® is a US EPA registered broad spectrum disinfectant, virucide and food contact surface 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).

DILUTION CHART

Tablet Size	3.3g	
Solution ppm (mg/L) Available Chlorine	Tablets	Quarts of Water
100	1	10
538	1	2
1076	1	1
2153	2	1
4306	4	1
5382	5	1

Use-dilution labels available for prepared solution.

EPA Reg. No. 71847-6-106
ESL102721

Refer to label for directions for use, claims and other organisms.

TESTING SUMMARY

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/or Strain Number and/or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
Clostridioides difficile spores	Spores	ATCC 43598	Colitis		4 per quart (4306 ppm)	2 per quart (2153 ppm)
Mycobacterium bovis (TB)	Bacteria	ATCC 35743	Tuberculosis (TB)		5 per quart (5382 ppm)	
Acinetobacter baumannii	Bacteria	ATCC BAA-1709	Wound infections etc.		4 per quart (4306 ppm)	
Vancomycin Resistant *Enterococcus faecalis* (VRE)	Bacteria	ATCC 51575	Enteritis etc.		4 per quart (4306 ppm)	1 per quart (1076 ppm)
Escherichia coli 0157:H7	Bacteria	ATCC 35150	Food poisoning			1 per quart (1076 ppm)
Klebsiella pneumoniae	Bacteria	ATCC 4352	Pneumonia			1 per quart (1076 ppm)
Carbapenem resistant *Klebsiella pneumoniae*	Bacteria	ATCC BAA-1705	Pneumonia		4 per quart (4306 ppm)	
Pseudomonas aeruginosa	Bacteria	ATCC 15442	Septicemia		4 per quart (4306 ppm) 1 per quart (1076 ppm)	
Salmonella enterica	Bacteria	ATCC 10708	Food poisoning		4 per quart (4306 ppm) 1 per quart (1076 ppm)	
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.		4 per quart (4306 ppm) 1 per quart (1076 ppm)	
Staphylococcus aureus MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		4 per quart (4306 ppm)	1 per quart (1076 ppm)
Staphylococcus epidermidis	Bacteria	ATCC 51624	Wound infections etc.			1 per quart (1076 ppm)
Streptococcus pneumoniae	Bacteria	ATCC 6305	Pneumonia		4 per quart (4306 ppm)	

TESTING SUMMARY

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/ or Strain Number and/ or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**2 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
SARS Associated Coronavirus 2 (SARS-CoV-2)	Virus (Enveloped)	Strain Isolate USA-WA1/2020	COVID-19			1 per quart (1076 ppm)	
Coxsackievirus	Virus (Non-Enveloped)	ATCC VR-30	Hand, foot and mouth disease	4 per quart (4306 ppm)			
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175/18f	Hepatitis A	4 per quart (4306 ppm)			1 per quart (1076 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per quart (2153 ppm)			
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000	Polio				1 per quart (1076 ppm)
Rhinovirus (Type 14)	Virus (Non-Enveloped)	ATCC VR284	Common cold				1 per quart (1076 ppm)
Avian Influenza A Virus (H5N1)	Virus (Enveloped)	CDC #2006719965	Flu	4 per quart (4306 ppm)			
Hepatitis B Virus	Virus (Enveloped)	Duck Hepatitis B (DHBV)	Hepatitis B	4 per quart (4306 ppm)	1 per quart (1076 ppm)		
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus Strain NADL	Hepatitis C	4 per quart (4306 ppm)	1 per quart (1076 ppm)		
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733	Herpes				1 per quart (1076 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain IIIB	AIDS	4 per quart (4306 ppm)	1 per quart (1076 ppm)		
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu				1 per quart (1076 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26	Common cold				1 per 2 quarts (538 ppm)
Aspergillus fumigatus	Fungi	ATCC 36607	Respiratory infections	4 per quart (4306 ppm)			
Candida Auris	Fungi	CDC AR-0381	Bloodstream/ wound infections		4 per quart (4306 ppm)		
Candida albicans	Fungi	ATCC 10231	Thrush & Yeast Infections			4 per quart (4306 ppm)	
Trichophyton interdigitale	Fungi	ATCC 9533	Athlete's foot				1 per quart (1076 ppm)

Animal Microorganisms		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time with organic soil load # tablets (ppm Solution)	**4 minute** contact time with organic soil load # tablets (ppm Solution)	**10 minute** contact time with organic soil load # tablets (ppm Solution)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017	Parvovirus disease			1 per quart (1076 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per quart (2153 ppm)		1 per quart (1076 ppm)
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128	Canine distemper			1 per quart (1076 ppm)
Newcastle Disease Virus	Virus (Enveloped)	ATCC VR-180	Newcastle disease			1 per quart (1076 ppm)
Pseudorabies Virus	Virus (Enveloped)	ATCC VR-135	Aujesky's disease			1 per quart (1076 ppm)

See page 12 for complete list

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		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time # tablets (ppm Solution)
Salmonella enterica	Bacteria	ATCC 6539	Food poisoning	1 per 10 quart (100 ppm)
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.	1 per 10 quart (100 ppm)
Listeria monocytogenes	Bacteria	ATCC 19117	Food poisoning	1 per 10 quart (100 ppm)

TESTING SUMMARY (3.3g Tablets)

WHEN USING AN ELECTROSTATIC SPRAYER DEVICE

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/or Strain Number and/or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
Acinetobacter baumannii	Bacteria	ATCC BAA-1709	Wound infections etc.		4 per quart (4306 ppm)	
Vancomycin Resistant *Enterococcus faecalis* (VRE)	Bacteria	ATCC 51575	Enteritis etc.		4 per quart (4306 ppm)	
Escherichia coli 0157:H7	Bacteria	ATCC 35150	Food poisoning			4 per quart (4306 ppm)
Klebsiella pneumoniae	Bacteria	ATCC 4352	Pneumonia			4 per quart (4306 ppm)
Carbapenem resistant *Klebsiella pneumoniae*	Bacteria	ATCC BAA-1705	Pneumonia		4 per quart (4306 ppm)	
Pseudomonas aeruginosa	Bacteria	ATCC 15442	Septicemia		4 per quart (4306 ppm)	
Salmonella enterica	Bacteria	ATCC 10708	Food poisoning		4 per quart (4306 ppm)	
Staphylococcus aureus	Bacteria	ATCC 6538	Wound infections etc.		4 per quart (4306 ppm)	
Staphylococcus aureus MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		4 per quart (4306 ppm)	
Staphylococcus epidermidis	Bacteria	ATCC 51624	Wound infections etc.			4 per quart (4306 ppm)
Streptococcus pneumoniae	Bacteria	ATCC 6305	Pneumonia			4 per quart (4306 ppm)

TESTING SUMMARY (3.3g Tablets)
WHEN USING AN ELECTROSTATIC SPRAYER DEVICE

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims		ATCC and/ or Strain Number and/ or Surrogate organism	Disease/Effect	**1 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**2 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**4 minute** minimum contact time with organic soil load # tablets (ppm Solution)	**10 minute** minimum contact time with organic soil load # tablets (ppm Solution)
SARS Associated Coronavirus 2 (SARS-CoV-2)	Virus (Enveloped)	Strain Isolate USA-WA1/2020	COVID-19			2 per quart (2153 ppm)	
Coxsackievirus	Virus (Non-Enveloped)	ATCC VR-30	Hand, foot and mouth disease	4 per quart (4306 ppm)			
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175/18f	Hepatitis A	4 per quart (4306 ppm)			2 per quart (2153 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per quart (2153 ppm)			
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000	Polio				2 per quart (2153 ppm)
Rhinovirus (Type 14)	Virus (Non-Enveloped)	ATCC VR284	Common cold				2 per quart (2153 ppm)
Avian Influenza A Virus (H5N1)	Virus (Enveloped)	CDC #2006719965	Flu	4 per quart (4306 ppm)			
Hepatitis B Virus	Virus (Enveloped)	Duck Hepatitis B (DHBV)	Hepatitis B	2 per quart (2153 ppm) 4 per quart (4306 ppm)			
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus Strain NADL	Hepatitis C	4 per quart (4306 ppm)	2 per quart (2153 ppm)		
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733	Herpes				2 per quart (2153 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain IIIB	AIDS	4 per quart (4306 ppm)	2 per quart (2153 ppm)		
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu				2 per quart (2153 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26	Common cold				2 per quart (2153 ppm)

Animal Microorganisms		ATCC and/or Strain Number	Disease/Effect	**1 minute** contact time with organic soil load # tablets (ppm Solution)	**4 minute** contact time with organic soil load # tablets (ppm Solution)	**10 minute** contact time with organic soil load # tablets (ppm Solution)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017	Parvovirus disease			2 per quart (2153 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782	Gastroenteritis	2 per quart (2153 ppm)		
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128	Canine distemper			2 per quart (2153 ppm)
Newcastle Disease Virus	Virus (Enveloped)	ATCC VR-180	Newcastle disease			2 per quart (2153 ppm)
Pseudorabies Virus	Virus (Enveloped)	ATCC VR-135	Aujesky's disease			2 per quart (2153 ppm)

See page 13 for complete list

ANIMAL PATHOGENS

When used at ppm solution listed below, applied as outlined under Animal Premises Disinfection/Virucidal Directions, BruTab 6S is effective against the following animal pathogens with the corresponding contact time:

10 minute contact time (1076 ppm Solution)
Canine Parvovirus
Newcastle Disease Virus
Pseudorabies Virus
Canine Distemper Virus
Feline Calicivirus
Actinobacillus pleuropneumoniae
Bordetella bronchiseptica (Rhinitis)
Brachyspira Hyodysenteriae (Treponema/Serpulina) (Swine Dysentery)
Gumboro disease Virus
Herpes Simplex Virus Type 1
Influenza Virus H1N1
Minute Virus of Mouse
Porcine epidemic diarrhea Virus
Porcine parvovirus
Runting & Stunting Virus (tenosynovitis)
Streptococcus uberis
Teschen/Talfan disease Virus
Respiratory syncytial virus (538 ppm)

4 minute contact time (1076 ppm Solution)
Bordetella bronchiseptica (Rhinitis)

30 minute contact time (1076 ppm Solution)
African swine fever
Avipox (fowl pox)
Hog cholera/Classical swine fever
Swine Vesicular disease
Transmissible gastroenteritis (TGE)

1 minute contact time (ppm Solution)
Feline Calicivirus (2153 ppm)
Avian influenza A virus (H5N1) (4306 ppm)
Bovine Viral Diarrhea Virus (4306 ppm)

NOTE: Only approved for use against Canine Parvovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, Minute Virus of Mouse, Influenza Virus H1N1 and Feline Calicivirus in the State of California.

ANIMAL PATHOGENS
(When used with an electrostatic sprayer)

When used at ppm solution listed below, applied as outlined under the DIRECTIONS FOR USE WHEN USING AN ELECTROSTATIC SPRAYER DEVICE, BruTab 6S is effective against the following animal pathogens with the corresponding contact time:

10 minute contact time (2153 ppm Solution)
Canine Parvovirus
Newcastle Disease Virus
Pseudorabies Virus
Canine Distemper Virus
Actinobacillus pleuropneumoniae (4306 ppm)
Brachyspira Hyodysenteriae (Treponema/Serpulina) (Swine Dysentery) (4306 ppm)
Gumboro disease Virus
Herpes Simplex Virus Type 1
Influenza Virus H1N1
Minute Virus of Mouse (MVM)
Porcine epidemic diarrhea Virus
Porcine parvovirus
Runting & Stunting Virus (tenosynovitis)
Streptococcus uberis (4306 ppm)
Teschen/Talfan disease Virus
Respiratory syncytial virus

4 minute contact time (4306 ppm Solution)
Bordetella bronchiseptica (Rhinitis)

30 minute contact time (2153 ppm Solution)
African swine fever
Avipox (fowl pox)
Hog cholera/Classical swine fever
Swine Vesicular disease
Transmissible gastroenteritis (TGE)

1 minute contact time (2153 ppm Solution)
Feline Calicivirus
Avian influenza A virus (H5N1)
Bovine Viral Diarrhea Virus

NOTE: Only approved for use against Canine Parvovirus, Newcastle Disease Virus, Pseudorabies, Canine Distemper Virus, Minute Virus of Mouse, Influenza Virus H1N1, and Feline Calicivirus in the State of California.

BruTab 65®

PHYSICAL & CHEMICAL SPECIFICATIONS

Active Ingredient: Sodium dichloro-s-triazinetrione	48.21%*
Working pH	6.0 +/- 0.5
Color	Clear
Odor	Slight Chlorine
OSHA GHS Rating In-Use	Non-Hazardous

** Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations*

MATERIAL SUBSTRATE COMPATIBILITY

Sodium dichloro-s-triazinetrione tablets dissolved in water produce a solution of hypochlorous acid.

The following chart shows the compatibility of a variety of materials with solutions up to 5,000 mg/L of available chlorine.

Metals	Compatibility
SS 304	A
SS 316	A
Aluminum	B
Brass	B
Bronze	B
Carbon Steel	C
Cast iron	C
Hasteloy C®	A
Titanium	A

The following chart shows the compatibility of a variety of materials with solutions up to 2,000 mg/L of available 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

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.

Application Tools

BruTab 6S Wide Mouth Spray Bottles

Wide opening fits BruTab 6S 13.1g tablet, size options allow for simple dilution

32 fl oz Wide Mouth Bottle
Labeled

Availability

Product No. BT32KT-CS

- 6 x 32 fl oz wide mouth bottle pre-labeled with the green 4306 ppm use-dilution label. Includes 6 fliptops and 1 spray head.
- Use one 13.1g tablet per quart to prepare 4306 ppm solution (See Testing Summary for efficacy at 4306 ppm solution).

24 fl oz Wide Mouth Bottle
Unlabeled

Availability

Product No. BT6SNL-CS

- 6 x 24 fl oz wide mouth bottle with NO LABEL. Includes 6 fliptops and 1 spray head.
- Use one 13.1g tablet per 24 fl oz to prepare 5382 ppm solution for 4 minute TB claim. Order use-dilution labels separately (label # 4194, pack of 20).

brulin™

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161-061J ESL102721