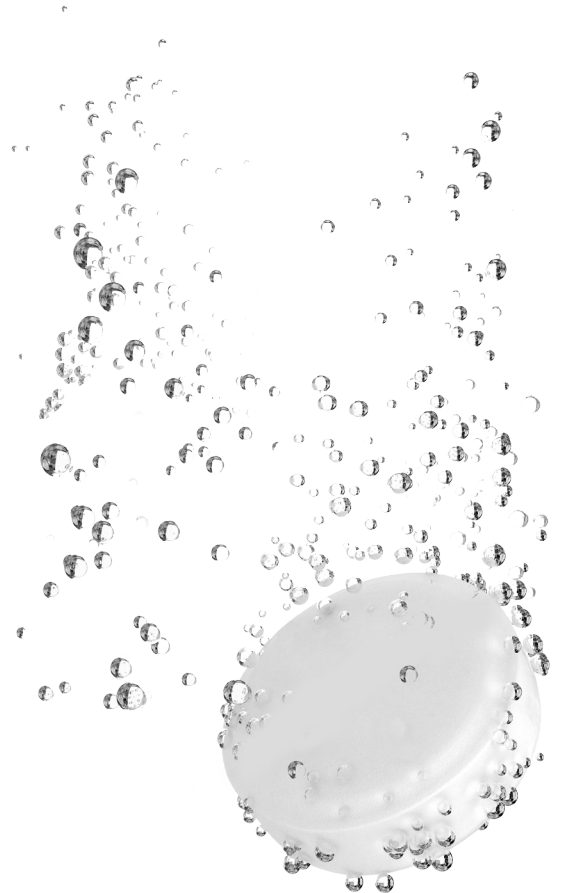




BruTab^{6S}®

**Effervescent Disinfectant
& Sanitizer Tablet**



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 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.

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. This means that **BruTab 6S** is not inactivated by dirt/cloths/organic matter as easily as bleach.

FAC exists in two forms, Hypochlorous acid (HOCl) found in **BruTab 6S** solutions and Hypochlorite ion (OCI-) 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 – **Stable** solution that can be stored for a week in a closed container. Bleach becomes inactive after a day.
- Its tablet form is **Stable** for 3 years. Bleach concentrates have a 6 month shelf life – **Stable/Sustainable** product
- Is less corrosive than bleach – Less harmful and **User/Surface** friendly



BruTab^{6S}

1

STRONG

One product for use throughout an entire facility

US EPA Registered Disinfectant: Kills *C. difficile* spores, TB and more in 4 minutes. Kills Norovirus, Hepatitis A Virus, Hepatitis B Virus, Hepatitis C Virus and HIV-1 in 1 minute. Hospital Disinfectant; Meets OSHA Bloodborne Pathogens* Standard; Sanitizer Claim for Food Service Applications; Kills *Canine Parvovirus*.

** Kills HBV and HIV-1 on pre-cleaned environmental surfaces/objects previously soiled with blood/body fluids.*

2

SURFACE/USER FRIENDLY

Less damaging to surfaces and equipment — Use Dilution is OSHA GHS Non-Hazardous for Health, Physical or Environmental Classifications reducing risk/facilitating worker safety

Compared to bleach which is corrosive to eyes and skin even at the use dilution; Similar pH to skin – will not burn the skin. Will not harm floor finishes. Safer on colorfast fabrics than bleach.*

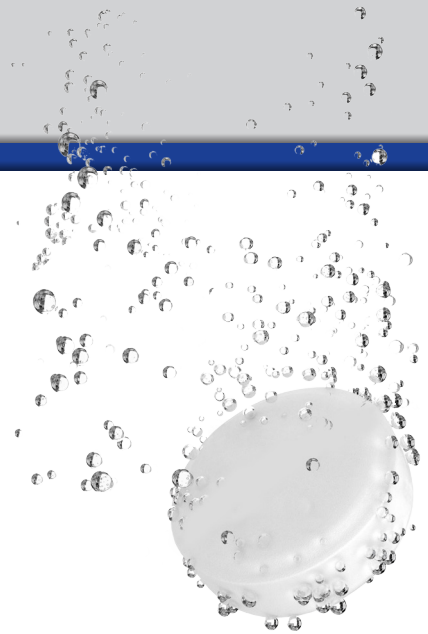
** Always test small area of clothing for color fastness before using.*

3

STABLE

Economical — lasts longer resulting in less waste

Longer shelf life in solution than bleach – 1 week compared to 1 day for bleach. 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. This means that it is not inactivated by dirt/cloths/organic matter as easily as chlorine is depleted from bleach.



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 BETTER THAN BLEACH

Less odor

Less irritating to workers. Less irritating to staff, visitors and room occupants.

13.1g Tablets



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

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

Color-coded use-dilution labels correspond to prepared solution using colors on chart above.

EPA Reg. No. 71847-6-106
EPA 12 APR 2017

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

PACKAGING INFORMATION

Availability

BruTab 6S 13.1g Tablet

Product No. 161021

• 256 Tablet Tub/2 (8N)

TESTING SUMMARY:

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims	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 # tablets (ppm Solution)
<i>Mycobacterium bovis</i> (TB)	Bacteria	ATCC 35743	Tuberculosis (TB)	5 per gal. (5382 ppm)	
<i>Clostridium difficile</i> spores	Spores	ATCC 43598	Colitis	4 per gal. (4306 ppm)	2 per gal. (2153 ppm)
<i>Acinetobacter baumannii</i>	Bacteria	ATCC BAA-1709	Wound infections etc.	4 per gal. (4306 ppm)	
Carbapenem resistant <i>Klebsiella pneumoniae</i>	Bacteria	ATCC BAA-1705	Pneumonia	4 per gal. (4306 ppm)	
<i>Pseudomonas aeruginosa</i>	Bacteria	ATCC 15442	Septicemia	4 per gal. (4306 ppm)	1 per 2 gal. (538 ppm)
<i>Salmonella enterica</i>	Bacteria	ATCC 10708	Food poisoning	4 per gal. (4306 ppm)	1 per 2 gal. (538 ppm)
<i>Staphylococcus aureus</i>	Bacteria	ATCC 6538	Wound infections etc.	4 per gal. (4306 ppm)	1 per 2 gal. (538 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782, Strain F-9	Gastroenteritis	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)

Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE)	Bacteria	ATCC 51299	Enteritis etc.		1 per gal. (1076 ppm)
<i>Escherichia coli</i> 0157:H7	Bacteria	ATCC 35150	Food poisoning		1 per gal. (1076 ppm)
<i>Klebsiella pneumoniae</i>	Bacteria	ATCC 4352	Pneumonia		1 per gal. (1076 ppm)
<i>Staphylococcus aureus</i> MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		1 per gal. (1076 ppm)
<i>Staphylococcus epidermis</i>	Bacteria	ATCC 51624	Wound infections etc.		1 per gal. (1076 ppm)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017, Strain Cornell	Parvovirus disease		1 per gal. (1076 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782, STRAIN F-9	Gastroenteritis		1 per gal. (1076 ppm)
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175	Hepatitis A	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000, Strain Brunhilde	Polio		1 per gal. (1076 ppm)
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128, Strain Lederle	Canine distemper		1 per gal. (1076 ppm)
Hepatitis B Virus	Virus (Enveloped)	Strain Grimaud	Hepatitis B	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus*	Hepatitis C	4 per gal. (4306 ppm)	
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733, Strain F(1)	Herpes		1 per gal. (1076 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain HTLV-IIIIB	AIDS	4 per gal. (4306 ppm)	1 per gal. (1076 ppm)
Newcastle disease Virus	Virus (Enveloped)	ATCC VR-108, Strain B1 Hitchner or Blacksburg	Newcastle disease		1 per gal. (1076 ppm)
<i>Pseudorabies</i>	Virus (Enveloped)	ATCC VR- 135, Strain Aujeszky	Aujeszky's disease		1 per gal. (1076 ppm)
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu		1 per 2 gal. (538 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26, Strain Long	Common cold		1 per 2 gal. (538 ppm)
Trichophyton mentagrophytes	Fungi	ATCC 9533	Athlete's Foot		1 per gal. (1076 ppm)

*Surrogate organism

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)
<i>Salmonella enterica</i>	Bacteria	ATCC 10708	Food poisoning	1 per 10 gal. (100 ppm)
<i>Staphylococcus aureus</i>	Bacteria	ATCC 6538	Wound infections etc.	1 per 10 gal. (100 ppm)

BruMop Bucketless Handle Mop System

Easy to use bucketless handle mop system with 32 oz reservoir to use for mopping floors with BruTab 6S. Use one 13.1g tablet in 32 oz reservoir to prepare 4306 ppm solution for 4 minute claims (*Clostridium difficile* spores, *Acinetobacter baumannii*, Carbapenem resistant *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Salmonella enterica* and *Staphylococcus aureus*) and 1 minute claims (Norovirus, Hepatitis A Virus, Hepatitis B Virus, Hepatitis C Virus, and HIV-1). Use one 13.1g tablet with 24 oz water to prepare 5382 ppm solution for 4 minute *Mycobacterium bovis* (TB) claim.

Wide opening fits BruTab 6S 13.1g tablet, plus promotes easy filling and cleanout



Availability

Product No. ATWK18OR

- One orange applicator with 32 oz reservoir. (does not ship with a microfiber pad)

Product No. ATWR18OR-CS

- 18" orange microfiber flat mop (CS/12)

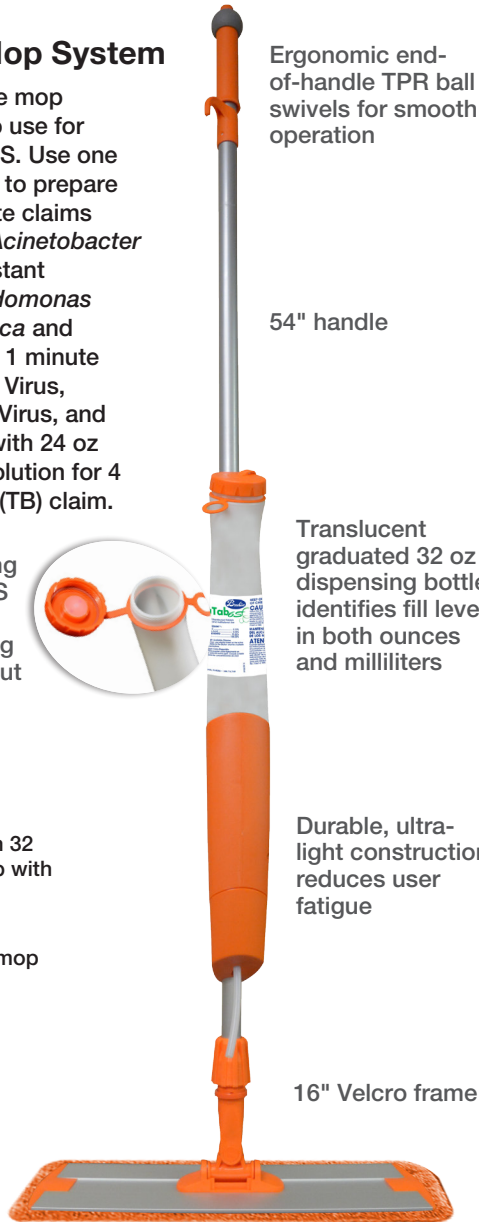
Ergonomic end-of-handle TPR ball swivels for smooth operation

54" handle

Translucent graduated 32 oz dispensing bottle identifies fill level in both ounces and milliliters

Durable, ultra-light construction reduces user fatigue

16" Velcro frame



BruTab 6S Transport Pack

Ten empty containers along with a sheet of customer affixed labels for distributing tablets to different areas within a facility.

BruTab 6S Wide Mouth Spray Bottles

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

Availability

Product No. BT32KT-CS

- 6 x 32 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 for 4 minute claims (*Clostridium difficile* spores, *Acinetobacter baumannii*, Carbapenem resistant *Klebsiella pneumoniae*, *Pseudomonas aeruginosa*, *Salmonella enterica* and *Staphylococcus aureus*) and 1 minute claims (Norovirus, Hepatitis A Virus, Hepatitis B Virus, Hepatitis C Virus, and HIV-1).



Product No. BT6SNL-CS

- 6 x 24 oz wide mouth bottle with NO LABEL. Includes 6 fliptops and 1 spray head.
- Use one 13.1g tablet per 24 oz to prepare 5382 ppm solution for 4 minute TB claim. Order use-dilutions labels separately (label # 4382, pack of 20).



Availability

Product No. PDU102

3.3g Tablets



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

DILUTION CHART

Tablet Size	3.3 g	
	Tablets	Quarts of Water
100	1	10
538	1	2
1076	1	1
2153	2	1
4306	4	1
5382	5	1

Color-coded use-dilution labels correspond to prepared solution using colors on chart above.

EPA Reg. No. 71847-6-106
EPA 12 APR 2017

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

PACKAGING INFORMATION

Availability

BruTab 6S 3.3g Tablet

Product No. 161021

• 200 Tablet Tub/6 (8G)

TESTING SUMMARY:

Human Microorganisms for Disinfection, Germicidal, Virucidal, and Fungicidal Claims	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 # tablets (ppm Solution)
<i>Mycobacterium bovis</i> (TB)	Bacteria	ATCC 35743	Tuberculosis (TB)	5 per quart (5382 ppm)	
<i>Clostridium difficile</i> spores	Spores	ATCC 43598	Colitis	4 per quart (4306 ppm)	2 per quart (2153 ppm)
<i>Acinetobacter baumannii</i>	Bacteria	ATCC BAA-1709	Wound infections etc.	4 per quart (4306 ppm)	
Carbapenem resistant <i>Klebsiella pneumoniae</i>	Bacteria	ATCC BAA-1705	Pneumonia	4 per quart (4306 ppm)	
<i>Pseudomonas aeruginosa</i>	Bacteria	ATCC 15442	Septicemia	4 per quart (4306 ppm)	1 per 2 quarts (538 ppm)
<i>Salmonella enterica</i>	Bacteria	ATCC 10708	Food poisoning	4 per quart (4306 ppm)	1 per 2 quarts (538 ppm)
<i>Staphylococcus aureus</i>	Bacteria	ATCC 6538	Wound infections etc.	4 per quart (4306 ppm)	1 per 2 quarts (538 ppm)
Norovirus	Virus (Non-Enveloped)	ATCC VR-782, Strain F-9	Gastroenteritis	4 per quart (4306 ppm)	1 per quart (1076 ppm)

Vancomycin Resistant <i>Enterococcus faecalis</i> (VRE)	Bacteria	ATCC 51299	Enteritis etc.		1 per quart (1076 ppm)
<i>Escherichia coli</i> 0157:H7	Bacteria	ATCC 35150	Food poisoning		1 per quart (1076 ppm)
<i>Klebsiella pneumoniae</i>	Bacteria	ATCC 4352	Pneumonia		1 per quart (1076 ppm)
<i>Staphylococcus aureus</i> MRSA & GRSA	Bacteria	ATCC 33592	Wound infections etc.		1 per quart (1076 ppm)
<i>Staphylococcus epidermis</i>	Bacteria	ATCC 51624	Wound infections etc.		1 per quart (1076 ppm)
Canine Parvovirus	Virus (Non-Enveloped)	ATCC VR-2017, Strain Cornell	Parvovirus disease		1 per quart (1076 ppm)
Feline Calicivirus	Virus (Non-Enveloped)	ATCC VR-782, STRAIN F-9	Gastroenteritis		1 per quart (1076 ppm)
Hepatitis A Virus	Virus (Non-Enveloped)	Strain HM-175	Hepatitis A	4 per quart (4306 ppm)	1 per quart (1076 ppm)
Poliovirus Type 1	Virus (Non-Enveloped)	ATCC VR-1000, Strain Brunhilde	Polio		1 per quart (1076 ppm)
Canine Distemper Virus	Virus (Enveloped)	ATCC VR-128, Strain Lederle	Canine distemper		1 per quart (1076 ppm)
Hepatitis B Virus	Virus (Enveloped)	Strain Grimaud	Hepatitis B	4 per quart (4306 ppm)	1 per quart (1076 ppm)
Hepatitis C Virus	Virus (Enveloped)	Bovine Viral Diarrhea Virus*	Hepatitis C	4 per quart (4306 ppm)	
Herpes Simplex Virus Type 1	Virus (Enveloped)	ATCC VR-733, Strain F(1)	Herpes		1 per quart (1076 ppm)
Human Immunodeficiency Virus Type 1	Virus (Enveloped)	Strain HTLV-III B	AIDS	4 per quart (4306 ppm)	1 per quart (1076 ppm)
Newcastle disease Virus	Virus (Enveloped)	ATCC VR-108, Strain B1 Hitchner or Blacksburg	Newcastle disease		1 per quart (1076 ppm)
<i>Pseudorabies</i>	Virus (Enveloped)	ATCC VR-135, Strain Aujeszky	Aujeszky's disease		1 per quart (1076 ppm)
Influenza Virus (H1N1)	Virus (Enveloped)	ATCC VR-99	Swine flu		1 per 2 quarts (538 ppm)
Respiratory syncytial virus	Virus (Enveloped)	ATCC VR-26, Strain Long	Common cold		1 per 2 quarts (538 ppm)
<i>Trichophyton mentagrophytes</i>	Fungi	ATCC 9533	Athlete's Foot		1 per quart (1076 ppm)

*Surrogate organism

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)
<i>Salmonella enterica</i>	Bacteria	ATCC 10708	Food poisoning	1 per 10 quarts (100 ppm)
<i>Staphylococcus aureus</i>	Bacteria	ATCC 6538	Wound infections etc.	1 per 10 quarts (100 ppm)

ANIMAL PATHOGENS

When used at 1076 ppm solution, applied as outlined under Disinfection/Virucidal Directions, BruTab 6S is effective against the following animal pathogens with a 10 minute contact time:

Canine Parvovirus
Newcastle Disease Virus
Pseudorabies
Canine Distemper Virus
Feline Calicivirus
Actinobacillus pleuropneumoniae
Avian influenza virus
Bordetella bronchiseptica (Rhinitis)
Brachyspira hyodysenteriae (Swine Dysentery)
 Infectious canine hepatitis
Clostridium perfringens
Gumboro disease virus
Porcine parvovirus
 Runtling and stunting syndrome virus (tenosynovitis)
Streptococcus dysgalactiae
Streptococcus uberis
 Teschen/Talfan disease

Note: Only approved for use against *Canine Parvovirus*, *Newcastle Disease Virus*, *Pseudorabies*, *Canine Distemper Virus*, and *Feline Calicivirus* in the State of California.

STABILITY DATA

A stability study was conducted and found that solutions made up of strengths from 100 - 5382 ppm active chlorine, retained the required chlorine activity after storage for 7 days in a closed container at room temperature out of direct sunlight.

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 jug at room temperature out of direct sunlight. The solution should be replaced each week with freshly made solution.

PHYSICAL & CHEMICAL SPECIFICATIONS

Active Ingredient: Sodium dichloro-s-triazinetrione	48.21%
Working pH	6.5 +/- 0.5
Color	Clear
Odor	Slight Chlorine
OSHA GHS Rating In-Use	Non-Hazardous

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	Elastomers	Compatibility
ABS	A	Nitrile (Buna N)	A
CPVC	A	EPDM	A
Hytrel [®]	A	Hypalon [®]	A
HDPE	A	Kel-F [®]	A
LDPE	A	Santoprene [®]	A
Noryl [®]	A	Silicone	B
Polycarbonate	A	Tygon [®]	A
Polypropylene	A	Viton [®]	A
PPS	A	Nonmetals	Compatibility
PTFE	A	Carbon graphite	A
PVC	A	Ceramic A1203	A
PVDF	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.



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