

Unitab

Disinfectant & Sanitizing Tablets

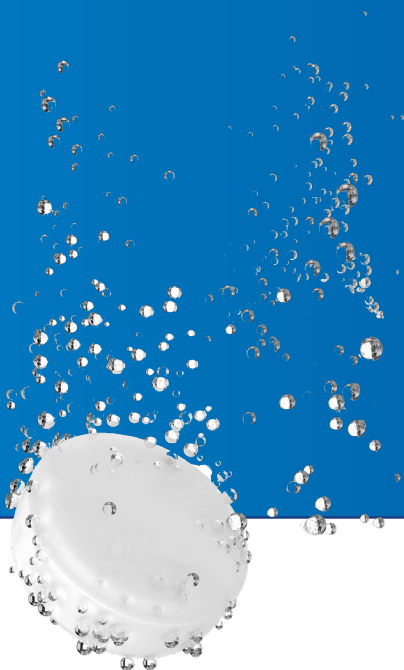
CODE: 53379 (120 X 6.55 g tablet)



BLEACH ALTERNATIVE

TABLET FORM

DIN: 02470381



Convenient Fizzing Tablets

UniTab is a unique, single dose, high performance effervescent chlorine alternative tablet that has been developed to offer a fast dissolving, convenient, safer and more accurate disinfection, eliminating “measure and pour” guesswork. It is simple to use for preparing a fresh solution when needed.

Introducing the latest innovation in disinfection...

UniTab: A bleach alternative in tablet form

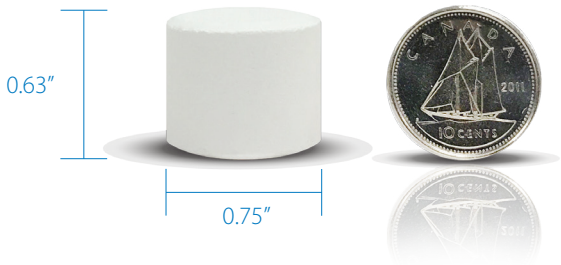
This little tablet will simply amaze you with its outstanding performance. UniTab is an effervescent disinfectant and sanitizer tablet that just requires water. Suited for the foodservice industry as well as healthcare facilities, this bleach alternative is far more superior to bleach in so many ways. It provides effective cleaning, deodorizing and disinfection in areas where controlling cross contamination hazards are of the highest concern. Effective against a broad range of microorganisms including *C. difficile* spores, Hepatitis A, Norovirus and Canine Parvovirus. Single dose tablet delivers accurate strength solution every time, eliminating measure and pour guesswork.

UniTab is the ideal choice when you require a product that:

- **Kills *C. Difficile*** spores fast – in only 4 minutes!
- Can be used for **general disinfecting** anywhere – not just in isolation rooms
- **Won't damage** equipment or surfaces
- Is an **easy** – one step disinfection
- Disinfects **without leaving any residue** – even on glass and stainless steel
- Leaves **no harsh odour** – the smell dissipates in minutes

Dilutions

Solution ppm	Tablets	Liters of Water
100	1	20
500	1	4
1000	1	2
2000	1	1
4000	2	1



Code: 53379 (120 x 6.55 g)
** 120 tablets per tub*
 DIN: 02470381

Bleach is one of the most commonly used and relied upon cleaners. Although its smell is often associated with cleanliness, bleach does not actually clean. Bleach is great for disinfecting, removing stains, and whitening clothing – but it does have risks.

Chlorine bleach is a strong corrosive and chemical irritant. Simply inhaling the fumes will result in irritated eyes, skin and respiratory tract. Greater dangers of bleach occur when they are mixed with other cleaners, such as a bowl cleaner. When this happens, a poisonous gas is released that can cause bloody noses, neurological disorders, headaches and even death. These noxious gasses have been found to then cause fatal injuries. Most of these incidents happen accidentally. Bleach can also damage surfaces and remove colour.



What makes it different than bleach?

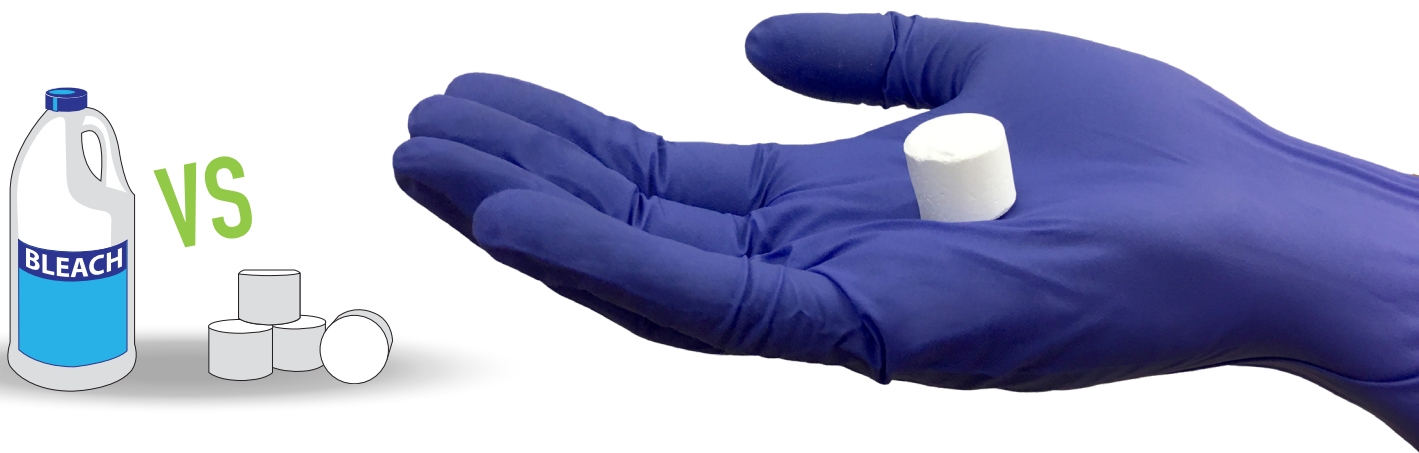
- The active ingredient in UniTab is troclosene sodium.
- The active ingredient in bleach is sodium hypochlorite.

While UniTab and bleach have both very similar characteristics and disinfection properties, their solutions are not the same.

Bleach solution's main ingredient is stabilized with caustic, and as a result, solutions made from bleach have a pH of 11 or higher. UniTab solution, on the other hand, has a pH of ~ 6.5 (neutral), the same as human skin, when dissolved in water.

The lower pH explains the safety and less corrosiveness benefits of UniTab.

Once in solution, **UniTab retains its killing power** due to a 50/50 chemical equilibrium that continues to generate chlorine that replaces what is being used in the process of destroying microorganisms or coming into contact with organic loads. This means that it does not become inactive by dirt, cloths, organic matter as occurs with bleach. Bleach, on the other hand, releases all of its chlorine content as free available chlorine all at once. So once it is consumed, there is no replenishment. **This explains the longer shelf life benefit of UniTab.**



	Bleach	UniTab
pH in Solution	10 - 13	5.5 - 6.5
Packaging	Liquid in jug	1 bottle of 120 tablets
Convenience	Must be measured and poured carefully	Single dose tablet
Stability	Degrades over time (may lose 20% of its activity in 6 months after opening), and will be basically ineffective after 1 year	Stable. Prepared at point-of-use when needed
Active Ingredient	Sodium hypochlorite	Trosclosene sodium
Shelf Life	6 - 12 months for concentrate 1 day for mixed solutions	3 years for tablets 7 days for mixed solutions (in closed containers)
Odour	Strong chlorine smell	Slight chlorine smell
Contact Time	Bleach works best when it sits on a surface for 10-15 minutes	Eliminates C. Difficile spores in 4 minutes. 10 minutes for all other disinfection
Corrosion Potential	High	Very low
Hazard Level: Eye	High (Severe irritant or may cause damage)	Low irritant
Hazard Level: Skin	High (Severe irritant or may cause damage)	Low irritant
Hazard Level: Inhalation	High (Severe irritant or may cause damage)	Irritant
TDG Classification	Corrosive, Class 8	Not classified as hazardous under TDG regulations
	Surface Compatibility	
Aluminum	●	●
Brass, Bronze, Copper, Mild Steel	●	●
Stainless Steel	●	●
Plastic: Polypropylene, Polyethylene	●	●
Hospital Scrubs	●	●
Floors: Acrylic or Polyurethane	●	●



Normal use did not present damage



Surface can be affected over time



Damage to occur immediately



Kill Claims

UniTab is an effective sanitizer and disinfectant, when used at the dilution rates indicated, on visibly clean, hard, non-porous, inanimate surfaces in hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities.

UniTab is proven effective, when used according to the directions on the label, against staphylococcus aureus, salmonella enterica, pseudomonas aeruginosa and cold and flu (respiratory syncytial virus, influenza H1N1), as well as bloodborne pathogens including the human immunodeficiency virus Type 1 (HIV-1), Hepatitis A virus, and Hepatitis B virus, and *Clostridium difficile* spores.

Endless Benefits

- Safer way to disinfect – **safe** for all surfaces and users
- **Use anywhere** liquid bleach is used
- Provides effective **sanitizing, deodorizing and disinfection** in areas where controlling cross contamination hazards are of the highest concern
- Produces a solution with a pH of 5.5 - 6, **similar pH to skin** – will not burn the skin, does not damage finishes or equipment, reduces risk/facilitating worker safety
- **Simple** to use for preparing a fresh solution when needed
- **Versatile** – different dilution rates for different disinfection needs
- **Exact dosage** tablet delivers an accurate strength solution every time
- **Ready to use** – no dispensing equipment required
- **Will not stain** clothing like bleach
- **Eliminates the risk** of concentrated bleach spills
- **Cost-savings** in multiple ways: storage, shipping, handling, waste minimization
- **Ease** of training and usage
- **Longer shelf life in solution** than bleach – 1 week compared to 1 day for bleach
- **Longer shelf life before dilution** than bleach – 3 years compared to 6 months for bleach
- **Continues working** in the presence of organic load (i.e. blood and dirt)
- **No harsh chemical smell** making it less irritating to workers, staff, visitors, room occupants



Cross Contamination Case in Hospitals

Hospital sinks and drains are hotspots for cross contamination. At a hospital in Tokyo, 9 CPE- contaminated sinks led to an outbreak causing 19 patient infections. Pathogens were found to have spread from one sink to another through connected plumbing. This shows that traditional cleaning methods can fall short even after replacing contaminated sinks.

Industries

- **Healthcare facilities** – to disinfect toilets, shower drains, and sinks to prevent cross contamination issues, to visibly clean or decontaminate critical or semi-critical medical devices (surgical instruments, biopsy forceps arthroscopes, laparoscopes, dental hand pieces, foot care instruments, ear syringe nozzles, pessary and diaphragm fitting rings)
- **Medical and dental facilities** – Hospitals, nursing homes, medical and dental offices and clinics, operating rooms, isolation wards, and medical research facilities



- **Veterinary** – Veterinary clinics, animal life science laboratories, kennels, breeding and grooming establishments, pet animal quarters, pet shops, and other animal care facilities



- **Food premises and food processing facilities** – Sanitizer for all hard, non-porous surfaces, dishes, glasses, food processing equipment and utensils. Sanitizer for food and beverage processing and food handling operations, restaurant and institutional dining establishments





Easy to integrate. Same benefits as bleach,
without compromising the disinfection.



Wet Mop Application

1. Fill mop bucket with water.
2. Refer to the chart below for the number of tablets required for the solution strength.
3. Allow tablet to dissolve in water. Dissolution is based on water temperature: 2.5 minutes in warm water; 5-6 minutes in cold water. Prepare fresh solution daily.
4. For **1000 ppm** solution: Mop floors for standard disinfection in non-isolation patient rooms and area.
For **2000 ppm** solution: Mop floors in isolation areas involving C. difficile.
For **4000 ppm** solution: Mop floors in isolation areas involving C. difficile.

C. difficile spore OPTIONS			
Solution Strength Efficacy	1000 ppm solution Hospital Disinfectant – Bloodborne Pathogens	2000 ppm solution C. difficile spores in 10 minutes	4000 ppm solution C. difficile spores in 4 minutes
Dilution	1 tablet per 2 liters of water or 10 tablets for a 20 liter bucket	1 tablet per liter of water or 20 tablets for a 20 liters bucket	2 tablets per liter of water or 40 tablets for a 20 liters bucket



Spray Application

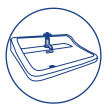
1. Fill holding container with water.
2. Refer to the chart below for the number of tablets required for the solution strength.
3. Allow tablet to dissolve in water. Dissolution is based on water temperature: 2.5 minutes in warm water; 5-6 minutes in cold water. Prepare fresh solution weekly.
4. For **500 ppm** solution: Spray for surfaces for disinfection as needed.
For **2000 ppm** solution: Spray surfaces in isolation areas involving C. difficile.
For **4000 ppm** solution: Spray surfaces in isolation areas involving C. difficile.

C. difficile spore OPTIONS			
Solution Strength Efficacy	500 ppm solution General Bleach Alternative – Hospital Disinfectant	2000 ppm solution C. difficile spores in 10 minutes	4000 ppm solution C. difficile spores in 4 minutes
Dilution	1 tablet per 4 liters of water	1 tablet per liter of water	2 tablets per liter of water



Hospital Toilets

1. After the usual toilet cleaning, drop a tablet into the toilet bowl.
2. Let it sit for 4 minutes.
3. Flush the toilet for continuous and thorough disinfection.



Hospital shower drains & sinks

1. Fill the holding container with water.
2. Refer to the chart below for the number of tablets required for the desired solution strength.
3. Allow the tablet to dissolve in water. Dissolution time varies based on water temperature: 2.5 minutes in warm water, 5-6 minutes in cold water. Prepare a fresh solution weekly.
4. Pour the solution down the drain or sink to disinfect the plumbing.

		C. difficile spore OPTIONS	
Solution Strength Efficacy	500 ppm solution General Bleach Alternative – Hospital Disinfectant	2000 ppm solution C. difficile spores in 10 minutes	4000 ppm solution C. difficile spores in 4 minutes
Dilution	1 tablet per 4 liters of water	1 tablet per liter of water	2 tablets per liter of water



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