



50
YEARS



 **Texwipe**[®]
An *TW* Company

Solutions Guide

DISINFECTANTS AND CLEANERS

TexQ[™] | Bru-Clean TbC[™] | Hydrogen Peroxide | IPA | Ethanol

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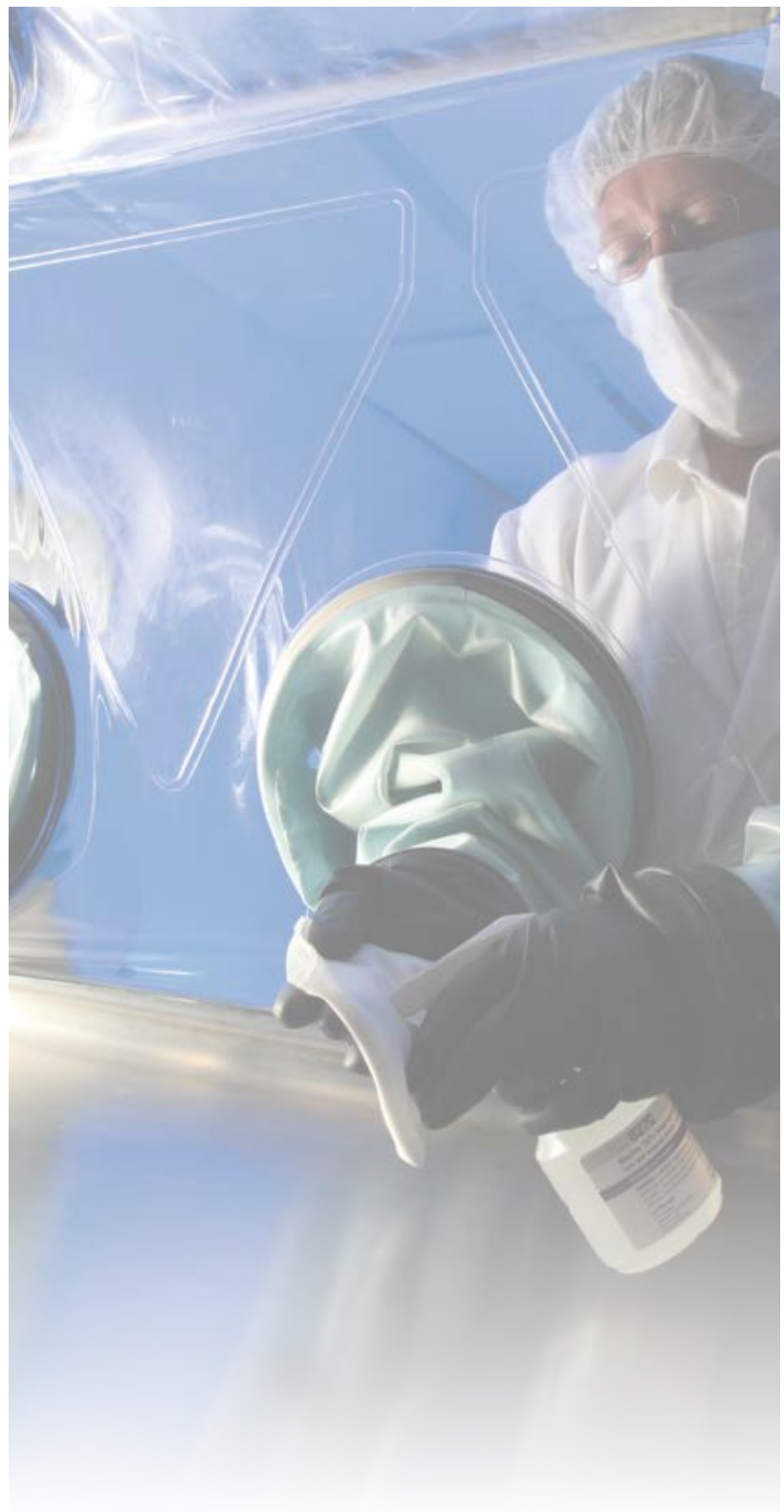
About Texwipe

Texwipe's commitment to innovation, leadership and quality in cleanroom consumable products spans more than fifty years. We invest in technology to respond to our customers' evolving needs in contamination control.

Texwipe's Core Values are:






- **Innovation** - Texwipe pioneers the latest technologies to provide innovation in contamination control products and processes.
- **Quality** - Texwipe product quality is maintained by the most advanced testing and quality control standards in the industry.
- **Technology Leadership** - Texwipe leads our industry in testing metrology, methods and processes to reduce contamination.

Throughout Texwipe's global operations, we support our customers with products designed to exceed the requirements for cleanroom consumable products. Our highly professional team will help you select and develop products for any critical environment application.



How to Choose

Disinfectants/Cleaners Differentiation

	Disinfectants		Cleaners		
					
	TexQ	Bru-Clean	TexP	70% IPA	70% Ethanol
Properties					
0.2 Micron Filtered	●	n/a	●	●	●
One-step Cleaner/Disinfectant	●				
Biodegradable		●	●		
EPA-Registered Disinfectant	●	●			
No Dyes or Fragrances	●				
No Volatile Organic Carbon (VOC)	●*		●		
Non-Flammable	●	●	●		
Shelf Life, Years	2	2	3	2-3	2
USP-Compliant Components (made with)	n/a	n/a	●	●	●
Applications/Agents					
Cleaning	●		●	●	●
Disinfectant	●	●	●	●	●
Rotation Program Use	●				
Gamma-Irradiated Available	●			●	●
Needs Rinse	●	●			
Residue Removal			●	●	●
Testing					
Endotoxin Tested	●			●	●
Sterile Validated	●			●	●
Lot Traceable	●	●	●	●	●
Solutions & Packaging					
Ready-to-Use Solution	●	tablet	●	●	●
Concentrate Available	●	tablet			
Dilution Rate for the Concentrate Solution	2 oz/gallon	1 tablet/gallon			
Double-Bagged Bottle/Container	●		●	●	●

*Low levels of VOC materials are in the product: the quat mixture (860 ppm), EDTA (300 ppm) and nonionic surfactant (400 ppm).



TX[®]650 TexQ[®] Disinfectant

GAMMA IRRADIATED
Cleaner • Mildewstat
Fungicide • Sanitizer • Virucide*
For Hospitals and Institutional Use

ACTIVE INGREDIENTS:
Octyl Decyl Dimethyl Ammonium Chloride
Didecyl Dimethyl Ammonium Chloride
Dioctyl Dimethyl Ammonium Chloride
Alkyl (C₁₁-50%), C₁₂-40%, C₁₄-10%
dimethyl benzyl ammonium chloride

INERT INGREDIENTS:
TOTAL

KEEP OUT OF REACH OF CHILDREN
CAUTION

See Back Panel for Additional Precautions
and First Aid Statements
PA. Reg. No. 10324-25-4000
Est. No. 48553-40000
MADE IN THE U.S.A.
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Ecolab



TexQ[®] Disinfectant



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TexQ Disinfectant

Why TexQ?

TexQ® Disinfectant is the latest generation of quaternary ammonium compounds (QACs), EPA registered one-step cleaner and disinfectant. It is effective against a broad spectrum of bacteria, viruses and fungi, and inhibits the growth of mold and mildew and their odors when used as directed.



TexQ® Disinfectant is available as: Ready-to-Use spray for small areas (equipment, surfaces) (TX650, TX650M) and Concentrate solution for large area disinfection (floors, walls) (TX651). Both solutions are 0.2 micron filtered and contain the same active ingredients and final concentrations, requiring only a single qualification for TX650 and TX651. TexQ® TX650 is gamma-irradiated to a Sterility Assurance Level of 10⁻⁶ with independent QC audits to ensure sterility.



The TexQ Advantage

- **61 Kill Claims** – Proven efficacy against the most common cleanroom bacteria, viruses and fungi.
- **MRSA, Pseudomonas, H5N1 and HIV-1 Kill Claims.**
TexQ offers kill claims against some of the hardest to contain viruses and bacteria in addition to an exhaustive list of other microorganisms, at a 5 or 10 minute contact time.
- **Aspergillus Niger Kill Claim** – Most common for clean areas
- **Complex Formulation** – Excellent cleaning and disinfecting properties for uniform and complete disinfection of surface.
- **One step cleaner/disinfectant** – Cleans and disinfects in one step. Saves additional costs for the cleaner. Saves time and labor. Easy to use.
- **TX650 is Gamma-irradiated** – Compliance with aseptic environment requirements
- **Free of dyes and fragrance** – No respiratory irritation – safe for the staff, no additional contamination from the vapors.
- **Functional use label on bottle** – Easy documentation and usage control, record the date opened and operator initials.
- **EPA registered** – Kill claims provide assurance of efficacy of disinfection

TexQ Products

Number		Description	Packaging
TX650 TX650M		TexQ Disinfectant Ready-to-Use (RTU) 22 oz. Trigger Spray	TX650: 12 bottles/case TX650M: 4 bottles/case
TX651		TexQ Disinfectant Concentrate One Gallon	4 bottles/case beaker included



Quaternary Ammonium Disinfectant

TexQ Kill Claims

Bacteria	TexQ TX650 / TX651 Contact Time in Minutes*
Community Associated Methicillin Resistant Staphylococcus Aureus	10
Methicillin Resistant Staphylococcus Aureus	10
Burkholderia cepacia	10
Campylobacter jejuni	10
Corynebacterium ammoniagenes	10
Enterobacter aerogenes	5
Enterobacter cloacae	10
Enterobacteriaceae w/extended beta lactamase resistance	10
Enterococcus faecalis	10
Enterococcus faecium (<i>Vancomycin resistant</i>)	10
Escherichia coli	10
Escherichia coli (<i>Antibiotic resistant</i>)	10
Escherichia coli O157:H7	10
Klebsiella pneumoniae	5
Klebsiella pneumoniae (<i>Antibiotic resistant</i>)	10
Legionella pneumophila	10
Listeria monocytogenes	10
Proteus mirabilis	10
Proteus vulgaris	10
Pseudomonas aeruginosa	10
Pseudomonas aeruginosa (<i>Antibiotic resistant</i>)	10
Salmonella enterica	10
Salmonella schottmuelleri	10
Salmonella typhi	10
Serratia marcescens	10
Shigella dysenteriae	10
Shigella flexneri	10
Shigella sonnei	10
Staphylococcus aureus	5
Staphylococcus epidermidis (<i>Antibiotic resistant</i>)	10
Streptococcus pyogenes	10
Vibrio cholerae	10
Xanthomonas axonopodis pv. Citri	10
Xanthomonas campestris pv. Vesicatoria	10

Viruses	TexQ TX650 / TX651 Contact Time in Minutes*
Avian influenza A Virus (<i>H5N1</i>)	10
Avian Influenza/Turkey/Wisconsin	10
Bovine Viral Diarrheal Virus (<i>BVDV</i>)	10
Canine Coronavirus	10
Canine Distemper	10
Duck Hepatitis B Virus	10
Hantavirus	10
Hepatitis B virus (<i>HBV</i>)	10
Hepatitis C virus (<i>HCV</i>)	10
Herpes Simplex Types 1	10
Herpes Simplex Types 2	10
HIV-1 (<i>AIDS virus</i>)	2
Human Coronavirus	10
Infectious Bovine Rhinotracheitis virus (<i>IBR</i>)	10
Influenza Type A / Brazil	10
Influenza A H1N1 Virus	10
Newcastle Disease virus	10
Porcine Respiratory & Reproductive Syndrome Virus (<i>PRRSV</i>)	10
Porcine Rotavirus	10
Pseudorabies virus (<i>Rabies Virus</i>)	10
Respiratory Syncytial (<i>RSV</i>)	10
Transmissible Gastroenteritis (<i>TGE</i>)	10
Vaccinia virus (<i>Pox Virus</i>)	10
Fungi	
Aspergillus niger	10
Candida albicans	10
Dactylium dendroides	10
Trichophyton mentagrophytes (<i>Athlete's Foot Fungus</i>)	10

TexQ Disinfectant

TexQ Comparison to Other Disinfectant Classes

	DISINFECTANTS			
	TexQ	Bleach	Phenolics	Ethanol/Isopropanol
Effective pH	8-11	10-13	1.5 - 12.5	6-8
Cleaning	Good	Poor	Fair*	Poor
Need Pre-cleaning Step	No	Yes	No*	No
Odor	Low	High	High	High
Effectiveness Affected by pH	No	Yes	Yes	No
Organic Soil Tolerance	Good	Poor	Good*	Medium
Hard Water Tolerance	Good	Good	Good	Good
Surface Compatibility	High	Medium	Medium	High
Corrosiveness	Low	High	Medium	Low
Toxicity Category**	III	I	I or II	IV
Skin Irritation	Low	High	Medium	Low
Respiratory Irritation	No	High	High	High
Residual Activity	Yes	No	Yes	No
Need Rinse	Yes	Yes	Yes	No
Stability / Shelf Life	Very Good	Very Poor	Good	Good
Cost in Use	Low	Low	Medium	High

*Depends on product

**EPA Toxicity Categories Require These Warnings:

Signal Word	Category	Oral Lethal Dose ¹
DANGER, POISON (Skull and crossbones)	I Highly toxic	A few drops to a teaspoonful
WARNING	II Moderately toxic	Over a teaspoonful to one ounce
CAUTION	III Slightly toxic	Over one ounce to one pint
CAUTION	IV Relatively non-toxic	Over one pint to one pound

¹Based on a 150-pound person

Industries

- Biotechnology
- Hospitals
- Medical device manufacturing facilities
- Pharmaceutical manufacturing facilities
- Pharmacies

Applications

- Cleaning and disinfecting hard, non-porous surfaces
- Cleaning and disinfecting small surfaces (tables, equipment, isolators, hoods)
- Cleaning and disinfecting large surfaces (floors, walls, ceilings)
- Recommended for use as part of a disinfectant rotation program

Quaternary Ammonium Disinfectant

One-Step Cleaning & Disinfection

Save a step with TexQ!

The common cleaning and disinfecting practice includes three steps: using a cleaning solution for soil and organic contamination removal, followed by a disinfectant agent for antibacterial action, and the residue removal solution for the disinfectant's left-over removal.

However, TexQ disinfectant is a one-step disinfectant. That means it **combines the Cleaning and Disinfecting properties** in its complete, chemically balanced formulation. TexQ's **Cleaning Properties** mean that it **removes soil and organic contamination** (by neutralizing fatty acids, suspending organic contaminants and tripping metal ions) from the surface. Its **Disinfecting Properties** provide **antibacterial action** by disrupting the cell walls of bacteria, viruses and fungi.

Just one application of TexQ disinfectant not only disinfects the surface but also removes soil, organic and other contamination combining the "cleaning step" and the "disinfection step" in only one easy step*. The last step remains the "residue removal" step**. **Having just two steps in the cleaning/disinfection protocol (instead of three) makes the use of TexQ one-step disinfectant solution easier and provides time and labor savings for the operator.**



TexQ One-Step Cleaning & Disinfection

30 MIN



Common Practice

45 MIN



TexP Residue Removal *Hydrogen Peroxide*
4% or 7.5%, see pages 17-19

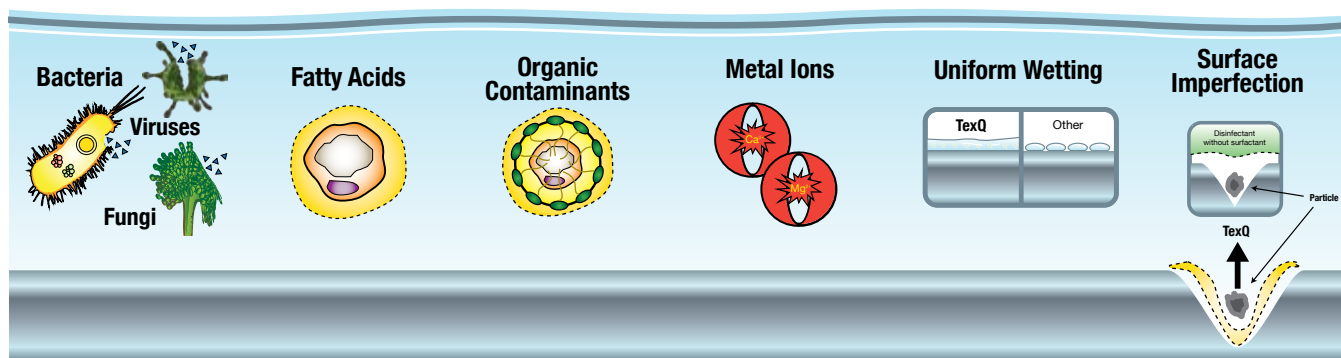
* For heavily soiled areas or when visible soil is present, the cleaning step using a cleaning solution is recommended before any disinfectant application, including one-step disinfectants.

** For non-product contact surfaces (such as walls, floors, ceilings etc) the frequency of the residue removal step may be reduced to once a week/month/two months, according to the approved facility's cleaning procedure.

TexQ Disinfectant

Disinfection + Cleaning with One Product

Disinfection		
	Bactericidal Activity	Powerful TexQ QAC Molecules disrupt the wall membranes of bacteria, viruses and fungi leaving the surface disinfected.
Cleaning		
	Removes Oils	TexQ Builder neutralizes fatty acids and removes them from the surface.
	Removes Organic Contamination	TexQ Surfactant suspends organic contaminants in micelles making them easily removed.
	Removes Metal Ions	TexQ Chelating Agents trap metal ions such as calcium and magnesium improving QAC efficiency.
	Removes Micro-Particles from Surface Imperfections	TexQ Surfactant reduces surface tension to wet further imperfections for better contaminant removal and disinfection.
	Uniform Disinfection & Cleaning	TexQ Surfactant ensures uniform application to entire surface for the <i>uniform cleaning and disinfection</i> .



TexQ Concentrate

TX651 TexQ Disinfectant is a concentrated Hospital Use disinfectant effective against a broad-spectrum of bacteria, viruses and fungi, plus eliminates odor-causing bacteria when used as directed. It is available in 1 gallon bottles and features the same properties as the ready-to-use (TX650/M) spray bottles: 0.2 µm filtered and double-bagged for easy introduction into aseptic areas.

TexQ Disinfectant Concentrate formulation meets AOAC Use – Dilution Test Standards for hospital disinfectants and is highly recommended for use in disinfectant rotation programs. At two ounces per gallon of water dilution rate it is proven to be effective against 32 bacteria, 21 viruses and 4 fungi in the presence of organic soil. Treated surfaces must remain wet for 10 minutes. Use this product on large washable, hard, non-porous non-food contact surfaces responsible for cross-contamination such as floors, walls, ceilings, exterior surfaces of the equipment etc.



How to Mix

Mixing TexQ Disinfectant from TX651 is a simple process: Step 1 – start with 1 gallon of water in the bucket of your choice (we recommend Texwipe Buckets TX7057 Stainless Steel model). Step 2 – Using the included beaker, add 2 ounces of TX651 to the water in the bucket. Step 3 – Mix the 2 ounces of TX651 with the water for 1 minute. TexQ is now mixed and ready to use! *The TexQ concentrate dilution rate is 1:64, or 2 oz per gallon of water.*

Step 1



Add 1 gallon of water to bucket.

Step 2



Add 2 ounces of TexQ concentrate to the bucket and mix.

Step 3



TexQ is ready to use.



Ideal Buckets for TexQ, See our [Mops Brochure](#) online (this is a link) at texwipe.com.





Bru-Clean TbC™

The Bleach Alternative in Tablet Form



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Bru-Clean TbC™

Bru-Clean TbC™ is an ideal alternative to liquid bleach that comes in a “just add water” premeasured disinfectant tablet. Bru-Clean TbC™ is designed to provide effective cleaning, deodorizing and disinfection in areas where controlling cross contamination hazards are of the highest concern.

Add 1 Bru-Clean TbC tablet to 1 gallon of water to create a powerful disinfectant with 31 kill claims against a broad array of pathogens including MRSA, E.coli and Salmonella.

The active ingredient, sodium dichloroisocyanurate (NaDCC), is more stable than bleach (sodium hypochlorite) and provides consistent strength produced at point of use, is neutral in pH and is biodegradable.

Bru-Clean TbC meets EPA requirements for hard, inanimate surface disinfectant claims for hospital and medical environments. It is also recommended for use with veterinary, biologics and pharmaceutical manufacturing facilities.

The Bru-Clean Advantage

- **Convenient premeasured tablets** – Easy to use, transport and store. 270 tablets make 270 gallons of disinfectant.
- **Solution prepared at point-of-use** – Easily prepare a **fresh** solution whenever needed. Consistent concentration of daily prepared solution. Less odor than bleach.
- **Neutral pH** – Much less corrosive to metals than liquid bleach. Less hazardous for users.
- **Shelf life/stability of tablets** – Two years of active ingredient stable concentration in the tablet.
- **EPA registered disinfectant** – Registered kill claims provide the assurance of efficacy of disinfection for 32 microbes.
- **Functional use label on bottle** – Easily document the date opened and operator initials for usage control.

Applications

- Cleaning and disinfecting hard surfaces, such as stainless steel
- Disinfecting all work areas – equipment, hoods, carts, isolators, floor
- Can easily replace liquid bleach in all applications
- Recommended for use as part of a disinfectant rotation program

Industries

- Pharmaceutical manufacturing facilities
- Pharmacies
- Hospitals
- Medical device manufacturing facilities
- Biologics and Biotechnology
- Veterinary

Bru-Clean Products

Number	Description	Packaging
TX6466	Bru-Clean TbC™ Disinfectant Tablets	270 tablets/bottle – 2 bottles/case



Liquid Bleach Alternative

Disinfectant Comparison: Bru-Clean vs Bleach

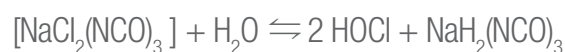
	Bru-Clean (TX6466)	Bleach
Effective pH	5 - 6	10 - 13
Packaging & Delivery	Bulk packed tablets	Concentrated solution
Use convenience	Made at point-of-use	Must be stored, diluted, mixed, and filtered
Stability	Stable, fresh solution	Degrades over time (lose 20% in 6 months)*
Shelf Life	Tablet shelf life of two years	One year
Odor	Moderate	Strong
Corrosion potential	Low	High
Hazard level: Eye	Low Irritant	High (Severe irritant or may cause damage)
Skin	Low Irritant	High (Severe irritant or may cause damage)
Respiratory system	Irritant	High (Severe irritant or may cause damage)
DOT Hazard Classification	Not classified as hazardous	Corrosive, Class 8 at 12% strength
Working concentration	937 ppm	2,500 – 5,000 ppm

Sodium Hypochlorite – Bleach



Sodium dichloroisocyanurate – NaDCC

Dry tablet, when constituted with water (H₂O)



More HOCl is released from NaDCC at pH 5-6 than from sodium hypochlorite (liquid bleach) at pH 9.5

The active ingredient, sodium dichloroisocyanurate (NaDCC), is:

- More stable than bleach (sodium hypochlorite) and provides consistent strength produced at point of use
- Neutral in pH - less corrosive on surfaces than liquid bleach*
- Biodegradable – safe for the environment

Bru-Clean TbC™

Kill Claims

	Bru-Clean TbC TX6466 Contact time (minutes)
Bacteria	
Actinobacillus pleuropneumoniae	10
Brachyspira (Treponema/ Serpuline) hyodysenteriae	10
Clostridium perfringes USDA	10
Enterococcus faecalis Vancomycin Resistant	10
Escherichia coli O157:H7	10
Gumboro disease	10
Klebsiella pneumoniae	10
Mycobacterium tuberculosis var. bovis	10
Pseudomonas aeruginosa	10
Salmonella enterica	10
Staphylococcus aureus	10
Staphylococcus aureus (MRSA)	10
Staphylococcus aureus (GRSA)	10
Staphylococcus epidermidis	10
Streptococcus dysgalactiae	10
Trichophyton mentagrophytes	10

Use concentration of 1 tablet per gallon.

Bru-Clean TbC TX6466 Contact time (minutes)

Viruses	
Adenovirus Type 2	10
Avian Influenza Type A	10
Canine distemper virus	10
Canine Parvovirus	10
Feline calicivirus	10
Hepatitis A virus (HAV)	10
Herpes Simplex Type 1	10
HIV-1 (AIDS virus)	10
Infectious canine hepatitis	10
Newcastle disease virus	10
Norovirus	10
Poliovirus type 1	10
Porcine parvovirus	10
Pseudorabies	10
Runting & Stunging virus (tenosynovitis)	10
Fungi	
Trichophyton mentagrophytes	10

Liquid Bleach Alternative

How to Mix

According to the AOAC Use Dilution Test method, this product is bactericidal, virucidal and fungicidal with 32 registered kill claims. Treated surfaces must remain wet for 10 minutes. Concentration of available chlorine – 937 ppm (1 tablet per gallon of water dilution rate).



Step 1 Add 1 gallon of water to bucket.



Step 2 Add one tablet then wait 2 to 3 minutes while it fizzes & dissolves.

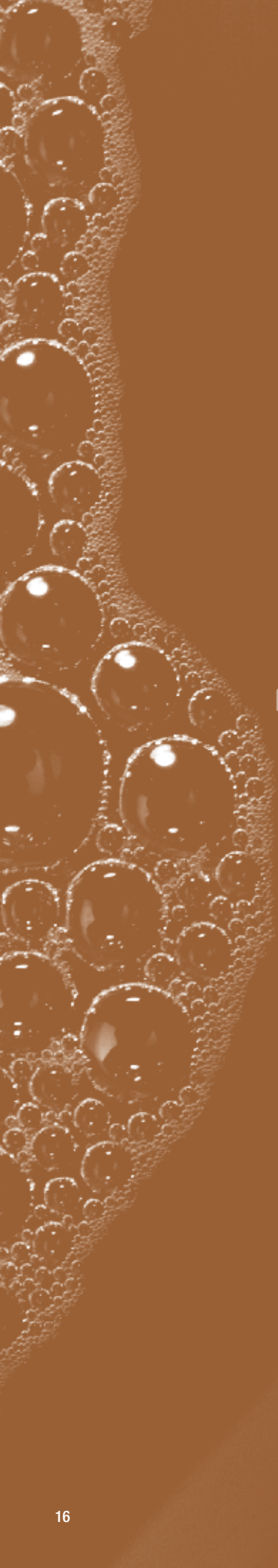


Step 3 Mix and your disinfectant solution is ready to use!



Ideal Buckets for Bru-Clean TbC,

See our [Mops Brochure](#) online (this is a link) at texwipe.com.



4%

7.5%

TexP™

Non-Sterile Hydrogen Peroxide



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TexP

Hydrogen Peroxide, Non-Sterile

Texwipe's® TexP (hydrogen peroxide) cleaning solutions are developed for use with cleaning rotation cycles to maintain a clean environment. TexP offers no VOCs and is nonflammable, making it safer for your personnel and regulatory compliance.

TexP leaves no residue, making it ideal for residue removal with disinfectants such as TexQ, Bru-Clean TbC and other formulations. It offers a low toxicity profile and is noncorrosive on most surfaces. TexP is completely biodegradable, it completely decomposes into water and oxygen.



TexP is offered in two ready-to-use concentrations – 4% and 7.5% – and both are available in 16 oz. spray (suitable for small areas) and 1 gallon (ideal for large volume applications) bottles. All TexP products are individually lot-coded for ease of traceability and quality control.

Labeled in three languages (English, Spanish, French).

TexP Advantages

- **Convenient ready-to-use solutions** require no mixing or activating.
- **Nonflammable** – may be used in high flammability risk environments.
- **No VOCs** – reduces VOC regulatory and compliance concerns.
- **No residue**, may be used for disinfectant removal.
- **Safe for use** – low toxicity profile for staff and noncorrosive on most common surfaces.
- **Biodegradable** – completely decomposing into water and oxygen.

TexP Products

Solution	Number		Description	Packaging
4% hydrogen peroxide	TX684		4% hydrogen peroxide Ready-to-use Non-sterile solution	16 oz. spray bottle
	TX684G		4% hydrogen peroxide Ready-to-use Non-sterile solution	1 gallon bottle
7.5% hydrogen peroxide	TX687		7.5% hydrogen peroxide Ready-to-use Non-sterile solution	16 oz. spray bottle
	TX687G		7.5% hydrogen peroxide Ready-to-use Non-sterile solution	1 gallon bottle

4% and 7.5% Hydrogen Peroxide

Industries

- Pharmaceuticals
- Biologics and Biotechnology
- Medical Device
- Compounding Pharmacy
- Cosmetics
- Health Care
- Veterinary
- Food and Beverage
- Nutraceutical
- Microelectronics
- Semiconductor

Applications

- Cleaning small (tables, equipment) surfaces
- Cleaning large (floors, walls, ceilings) surfaces
- Removing residues after disinfectant application





IPA

Sterile & Non-Sterile Isopropyl Alcohol



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IPA Solutions

70% and 100%

Available in both Sterile and Non-Sterile form, Texwipe's Isopropyl Alcohol Solutions are 0.2 micron filtered and filled into cleaned, double-bagged containers. Each bottle is lot coded with an expiration date for easy record keeping.

The trigger spray bottles are fully assembled and ready to use - no unpacking, handling or attaching a separate sprayhead is required. Choose a stream delivery for precise application or coarse spray for larger area application. Gallon containers are also available.

Features & Benefits

- 0.2 µm filtered Isopropanol (Isopropyl Alcohol) – removes many surface contaminants. (70% is USP-grade and 100% is semiconductor-grade)
- Evaporates and leaves extremely low residue
- Adjustable trigger spray – allows the liquid to be dispensed as either a jet or spray.
- Double-bagged for easy introduction into clean environment
- Meets FDA guideline for medical device bacterial endotoxin limit of not more than 20 EU/device
- Fully lot traceable
- Eliminates mixing, filtration, processing and QC expense of in-house production of sterile IPA

Sterility Assurance

- Gamma-irradiated to a sterility level of 10⁻⁶ with independent QC audits to ensure sterility
- Each lot tested for endotoxins
- Lot traceable
- Lot-specific information on each shipment simplifies record keeping:
 - » Certificate of Processing confirming radiation dosage
 - » Certificates of Compliance & Analysis

Applications

- Surface cleaning
- Residue removal after disinfectant application
- Use on gloved hands
- Wipe down for pass through to controlled environments
- Ideal for use with cleanroom wipers

70% IPA Solutions

Texwipe's 70% Isopropanol contains 70% by volume USP-grade Isopropanol (Isopropyl Alcohol) and 30% USP-purified water.

Industries

- Pharmaceuticals
- Biologics
- Medical Device
- Compounding Pharmacy









100% IPA Solutions

Non-Sterile 100% Isopropyl Alcohol is made with semiconductor-grade Isopropanol.

Industries

- Microelectronics

IPA Products

IPA %	Sterile	Number		Description	Packaging
70% Isopropyl Alcohol					
70%	●	TX8270		70% Isopropyl Alcohol Trigger Spray 8 fluid ounces (237 mL) Sterile	12 polybottles per case
70%	●	TX3270 TX3274		70% Isopropyl Alcohol Trigger Spray 16 fluid ounces (473 mL) Sterile	TX3270: 12 bottles per case TX3274: 4 bottles per case
70%		TX167		70% Isopropyl Alcohol Trigger Spray 16 fluid ounces (473 mL) Non-Sterile	12 bottles per case
70%	●	TX3273		70% Isopropyl Alcohol Trigger Spray 32 oz. spray bottle (946 mL) Sterile	12 bottles per case
70%	●	TX3290		70% Isopropyl Alcohol 1 gallon (3.8 liters) Sterile	4 bottles per case
70%		TX117		70% Isopropyl Alcohol 1 gallon (3.8 liters) Non-Sterile	4 bottles per case
100% Isopropyl Alcohol					
100%		TX161		100% Isopropyl Alcohol 1 gallon (3.8 liters) Non-Sterile	4 bottles per case
100%		TX111		100% Isopropyl Alcohol Trigger Spray 16 fluid ounces (473 mL) Non-Sterile	12 bottles per case

ETOH

Denatured 70% Ethanol



70% Denatured Ethanol

Sterile, ready-to-use 70% denatured ethanol (EtOH) solution designed especially for cleanroom use. Filtered to 0.2µm, individually double-bagged and gamma-irradiated to ensure sterility. Made using USP components and packaged in a ISO Class 5 cleanroom.

Features & Benefits

- **Filled in an ISO Class 5 environment;** 0.2µm filtered
- **Individually double bagged and gamma irradiated** to a Sterility Assurance Level of 10⁻⁶ with independent QC audits to ensure sterility
- **Evaporates** leaving extremely low residue
- **Adjustable trigger spray** which allows the liquid to be dispensed as either a jet or spray
- **Fully lot traceable.** Each lot tested for endotoxins
- **Each shipment is supported by documentation:** Certificate of Irradiation, Certificate of Compliance and Analysis
- **MSDS and Sterility Validation** documents available

Industries

- Microelectronics
- Semiconductors
- Biologics
- Medical Device
- Pharmaceuticals
- Compounding Pharmacies



Applications

- Surface cleaning and residue removal purposes
- Use on gloved hands in sterile suites
- Wipe down for pass through to controlled environments
- Ideally suited for use with sterile cleanroom wipers

Sterility Assurance

- Gamma-irradiated to a sterility level of 10⁻⁶ with independent QC audits to ensure sterility
- Each lot tested for endotoxins
- Lot traceable
- Lot-specific information on each shipment simplifies record keeping:
 - » Certificate of Processing confirming radiation dosage
 - » Certificates of Compliance & Analysis

70% Ethanol Products

Number	Description	Packaging
Sterile		
TX3267	 Sterile 70% Denatured Ethanol	16 oz. trigger spray bottle (473 mL) / 12 polybottles per case
TX3265	 Sterile 70% Denatured Ethanol	32 oz. trigger spray bottle (946 mL) / 12 polybottles per case



CrushTubeTM Swab

91% IPA / 9%DIW

CrushTube™ Swab

Texwipe's CrushTube system includes a 100% polyester (hydroentangled) nonwoven material head attached to an internal vial containing 91% IPA / 9% DIW solution, which is enclosed in a protective casing.

When the internal vial is crushed, the head becomes saturated with the 91% IPA / 9% DIW solution for point-of-use application.

Individually packaged in cleanroom compatible material. Lot coded for traceability and quality control.

Features & Benefits

- **IPA solution is separated from head until activated**
- **Gently crush** the vial to release the IPA and saturate the brush/tip
- **Precision spot cleaning**, no extra container of solvent needed
- **Individually packaged to minimize storage need**, easy to transport and use

Applications

- Solvent cleaning and maintaining of ion emitter tips
- Cleaning of grooves, tracks, slots and other small spaces
- Removing adhesive buildup
- Solvent cleaning sensitive surfaces such as optical assemblies

Industries

- Automotive
- Biologics
- Food Manufacturing
- Microelectronics
- Pharmaceuticals
- Semiconductor

CrushTube Products

Number	Description	Packaging
TX726	CrushTube™	50 swabs/box; 10 boxes/case



For More Swab Solutions, See our [Swabs Brochure](#) online (this is a link) at texwipe.com.



APPENDIX

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Disinfectants Classification

	Isopropyl Alcohol	Chlorine Compounds, Bleach Sodium Hypochlorite 5.25% (bleach concentrate)	Phenolics	Quaternary Ammonium Compounds (QACs)	Oxidizing Disinfectants, Hydrogen peroxide
Description	Variable activity against some bacterial and fungal species. Bactericidal disinfectant. 70% IPA is proved to be the most effective concentration.	Bactericidal (kills bacteria, viruses and fungi) at <5000ppm Sodium Hypochlorite. Sporicidal (kills spores) at >5000ppm Sodium Hypochlorite.	Bactericidal disinfectant (kills bacteria, viruses, fungi), Tuberculocidal.	Bactericidal disinfectant (kills bacteria, viruses and fungi). Some products are Tuberculocidal.	This group includes oxygen-releasing compounds (peroxygens) such as peracetic acid and hydrogen peroxide. Bactericidal (kills bacteria, viruses, fungi), Tuberculocidal. Sporicidal (kills spores).
Pre-cleaning Needed	Surfaces must be pre-cleaned.	Surfaces must be pre-cleaned.	Surfaces must be pre-cleaned. Some products are registered as one step disinfectant cleaners.	Product specific. Some products registered as one-step disinfectant cleaners.	Product specific. Surfaces must be pre-cleaned, depending on formulation.
Advantages	<ul style="list-style-type: none"> • Quick evaporation • Removes many surface contaminants • Removes residual disinfectant • Leaves extremely low residue • Can be a good general use disinfectant • Compatibility combined with other disinfectants (quaternaries, phenolics) • No rinse required 	<ul style="list-style-type: none"> • The same product can be used for routine and special event tasks, by changing the concentration • Relatively quick microbial kill • May be used on food preparation surfaces requiring a surface rinse depending on bleach concentration • Can be Tuberculocidal and Sporicidal with increased concentration • Some products are Tuberculocidal 	<ul style="list-style-type: none"> • Mostly presented in concentrate formulations, need to be mixed to make the ready-to-use solution • Some products are Tuberculocidal • Effective over large pH range • Some products are one-step disinfectants cleaners 	<ul style="list-style-type: none"> • One-step formulations contain a detergent to help loosen soil, no pre-clean step needed • Colorless, odorless (but act as deodorizers) • Less corrosive • May be used on food preparation surfaces (need rinse) • Effective at temperatures up to 212°F 	<ul style="list-style-type: none"> • Hydrogen Peroxide is non-corrosive in diluted form but is corrosive in combination with peracetic acid • No rinsing required • Some products are odorless • Clear and colorless, thereby avoiding surface staining • Fast, broad spectrum activity, Sporicidal • Can be safer for personnel (less toxic) depending on concentration
Disadvantages	<ul style="list-style-type: none"> • Poor cleaner (does not contain detergents) • Limited contact time, not sufficient for broad range killing, evaporates quickly • VOC emissions • Flammable, not to be used near a flame • Not active against certain types of viruses • Low toxicity but an eye irritant 	<ul style="list-style-type: none"> • Toxic. May damage floor finishes, carpets, clothing and other fibers when used in higher concentrations • Has an unpleasant odor • Must be stored separately from ammonia and flammable products • Rinsing is required • Corrodes metals such as stainless, aluminum • Increase in alkalinity decreases bactericidal properties • Eye, skin, and respiratory irritant 	<ul style="list-style-type: none"> • Considered a persistent bio accumulative toxin by EPA • Disposal restrictions in some states. Check state and local regulations • Not for use on food or food utensils • May damage floor finishes and other surfaces • Unpleasant odor • Effectiveness reduced by alkaline pH or natural soap • Prolonged contact deteriorates rubber • Can cause skin and eye irritation • Corrosive & toxic 	<ul style="list-style-type: none"> • Ineffective against bacterial spores, TBC, some viruses • Effectiveness influenced by hard water • RTU formulations are non-irritating to skin but avoid skin or eye contact; toxic • Neutralized by anionic soap (common) and effectiveness reduced by organic material • Pre-rinse may be required when rotating disinfectants • Rinsing is required 	<ul style="list-style-type: none"> • Rinsing is required where direct skin or oral contact can occur • Corrosive to soft metals • Pre-cleaning step is required • Temperature and light sensitive • Pungent odor (vinegar) • Pure Hydrogen Peroxide formulations do not require rinse
CDC Disinfection Level	Intermediate	Intermediate Level Disinfectant	Some are intermediate some are low level noted on label	Low Level Disinfectant	Product Specific. Low, Intermediate or High Level Disinfectant (depends on concentration and exposure time).
EPA Toxicity Category (See chart below)	Category IV	Category I	Category I or II	Category III	Category III or IV, product specific.
Storage	Stable in storage. Keep away from oxidizing agents, heat and flames.	If used for disinfecting purposes, bleach should not be stored longer than 3 months. When mixed with water the solution is only effective as a disinfectant for 24 hours. The available chlorine level (NaOCl) must be monitored.	Stable in storage. Flammable if in aerosol form.	Stable in storage.	Stable in storage. Two year shelf life is available depending on concentration and formulation. Keep away from heat and light.

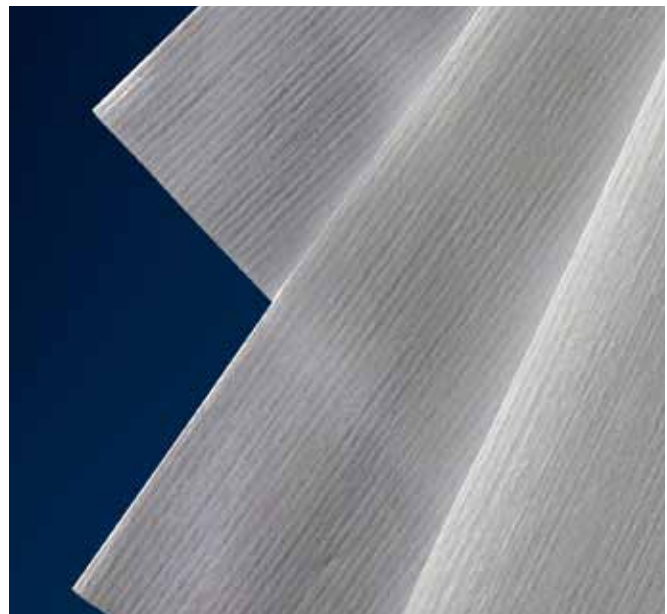
**EPA Toxicity Categories Require These Warnings:

Signal Word	Category	Oral Lethal Dose ¹
DANGER, POISON (Skull and crossbones)	I Highly toxic	A few drops to a teaspoonful
WARNING	II Moderately toxic	Over a teaspoonful to one ounce
CAUTION	III Slightly toxic	Over one ounce to one pint
CAUTION	IV Relatively non-toxic	Over one pint to one pound

¹Based on a 150-pound person

Disinfectant + Wiper Product Compatibility

Material/Fabric	Texwipe Wipers	Texwipe Mop Products	TexQ	Bru-Clean TbC	TexP	IPA/Ethanol
Polyester/Cellulose	TX622, TX624, TX629, TX604, TX606, TX609, TX612, TX1109, TX1112, TX1118, TX3210		✗	✓	✓	✓
Microdenier (100% polyester)	TX59, TX3059, TX3052	AlphaMops: TX7118M, STX7118M, TX7114M, STX7114M BetaMops: TX7070, STX7070	✓	✓	✓	✓
Polyester	TX1010, TX1012, TX1029, TX1050, TX1052, TX1060, TX1069, TX1070, TX1080, TX8659, TX1003, TX1004, TX1009, 1009B, TX1013, TX1008, TX1008B, TX2064, TX2069, TX2424, TX2452, TX2409, TX2412, TX2418, TX49, TX42, TX29, TX22, TX3042, TX3049, TX3215, TX3225, TX3220, TX3211, TX3212, TX3224, TX8942S	AlphaMops: TX7118, STX7118, TX7114, STX7114 BetaMops: TX716R, STX716R, TX7072, STX7072	✓	✓	✓	✓
Polyester/Rayon		BetaMops: TX7073, STX7073	✗	✓	✓	✓
Nylon	TX4004, 4009, 4012		✗	✓	✗	✓
Cotton	TX309, TX306, TX304, TX318, TX312, TX312R, TX329, TX3232		✗	✓	✓	✓
Foam	TX704		✓	✓	✓	✓
Polypropylene/Cellulose	TX699		✗	✓	✓	✓







Pre-Wetted Wipers

Solution	Material	Name	Size	TX#	Bag Qty	Case Qty	ISO Class	EU Grade	
Non-Sterile									
IPA 70%	Polyester	Vertex® HS	12" x 12" (30 cm x 30 cm)	TX42P	50	4	3-7	A-D	
			9" x 9" (23 cm x 23 cm)	TX49P	75	4	3-7	A-D	
		AlphaSat®	4" x 4" (10 cm x 10 cm)	TX1034	200	4	4-8	A-D	
			6" x 6" (15 cm x 15 cm)	TX1036	75	12	4-8	A-D	
			9" x 9" (23 cm x 23 cm)	TX1039	50	4	4-8	A-D	
		QuanSat™	9" x 9" (23 cm x 23 cm)	TX1084	50	12	3-7	A-D	
	Polyester/Cellulose	TechniCloth®	6" x 8" (15 cm x 20 cm)	TX1045	100	12	5-8	B-D	
			9" x 11" (23 cm x 28 cm)	TX1041	70	12	5-8	B-D	
			9" x 11" (23 cm x 28 cm)	TX1065	50	24	5-8	B-D	
			7" x 11" (18 cm x 28 cm)	TX1067	200	4	5-8	B-D	
	Polypropylene	PolySat®	7" x 11" (18 cm x 28 cm)	TX1040	200	4	5-8	B-D	
			9" x 11" (23 cm x 28 cm)	TX1051	50	24	5-8	B-D	
			6" x 11" (15 cm x 28 cm)	TX8723	75	24	5-8	B-D	
			6" x 11" (15 cm x 28 cm)	TX8727	75	20 & 1 case container	5-8	B-D	
	Ethanol 70%	Polyester/Cellulose	TechniCloth®	7" x 11" (18 cm x 28 cm)	TX1068	25	20	5-8	A-D

Sterile								
IPA 70%	Polyester	Vertex® HS	12" x 12" (30 cm x 30 cm)	TX3042P	25	5	3-7	A-D
			9" x 9" (23 cm x 23 cm)	TX3049P	25	5	3-7	A-D
		AlphaSat®	12" x 12" (30 cm x 30 cm)	TX3252	25	5	4-8	A-D
		AlphaSat® 10	12" x 12" (30 cm x 30 cm)	TX3280	50	5	2-7	A-D
			9" x 9" (23 cm x 23 cm)	TX3285	20	20	2-7	A-D
	Polyester/Cellulose	TechniCloth®	9" x 11" (23 cm x 28 cm)	TX3214	50	24	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX3217	20	24	5-8	B-D
	Polypropylene	PolySat®	9" x 11" (23 cm x 28 cm)	TX3213	50	24	5-8	B-D
9" x 11" (23 cm x 28 cm)			TX3216	20	24	5-8	B-D	
Ethanol 70%	Polyester/Cellulose	TechniCloth®	7" x 11" (18 cm x 28 cm)	STX1068	50	20	5-8	B-D
	Polyester	Vertex® HS	12" x 12" (30 cm x 30 cm)	TX3044P	25	5	3-7	A-D

Cleaning Rotation Recommendations

Microbe to be killed*	Products	How Often to Use	Remove Disinfectant Residues
Vegetative Bacteria Fungal spores, vegetative molds and yeasts Lipid-coated viruses Non lipid-coated viruses Mycobacterium tuberculosis	Bactericidal Products, Use: <ul style="list-style-type: none"> Quaternary Ammonium Compounds (QAC) Phenols Bleach at <5,000ppm 	Use Daily	TexP Hydrogen Peroxide Solution
Bacterial Spores (C.Diff)	Sporicidal Products, Use: <ul style="list-style-type: none"> Hydrogen peroxide Hydrogen peroxide/peracetic acid Bleach at >5,000pm 	Use once a week, once every 2 weeks or once every 3 weeks depending on cleanroom conditions	IPA 70% sterile or non-sterile
 TexQ Quaternary Ammonium Compounds (QAC)	 Bru-Clean TbC Bleach Alternative	 TexP Hydrogen Peroxide Solution	 IPA Isopropanol Solution

USP<1072> Rotation Recommendations

“Because it is theoretically possible that the selective pressure of the continuous use of a single disinfectant could result in the presence of disinfectant-resistant microorganisms **in a manufacturing area, in some quarters, the rotation of disinfectants has been advocated.**”

“**The daily application of sporicidal agents is not generally favored** because of their tendency to corrode equipment and because of the potential safety issues with chronic operator exposure.”

“It is prudent to augment **the daily use of a bactericidal disinfectant with weekly (or monthly) use of a sporicidal agent.**”



50

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In 1964 our founder, Edward Paley, created a solution to a problem that no one could see – microcontamination. With the invention of the world's first low-lint wiping cloth, Mr. Paley and Texwipe created an entire industry – contamination control. Today we continue our legacy of clean innovation with products including wipers, swabs, mops, disinfectants, stationery, adhesive mats, sterile products and much more.



Wipers



Swabs



Mops



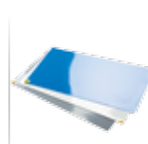
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