Texwipe®
An ITW Company
www.texwipe.com

PRODUCT BROCHURE

SOLUTIONS GUIDE

Non-Sterile *Sterile*

Disinfectants and Cleaners

TexQ® | TexTab™ | IPA | Ethanol

Contents

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.

Texwipe®
An ITW Company

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How to Choose: Disinfectants/Cleaners Differentiation

	Disinfectants		Cleaners	
				
	TexQ®	**TexTab™**	**IPA**	**Ethanol**
Applications				
EPA-registered	✓	✓		
One-step cleaner and disinfectant	✓	✓some dilutions		
Sporicidal (kills spores)		✓		
May be used in pre-cleaning	✓	✓	✓	✓
May be used in disinfectant rotation program	✓	✓	✓	✓
May be used as residue removal agent			✓	✓
Needs rinse	✓	✓		
Properties				
0.2 µm filtered	✓	n/a	✓	✓
Biodegradable				
No added dyes and fragrances	✓	✓	✓	✓
No Volatile Organic Compounds (VOC)	✓*			
Non-flammable	✓	✓		
Shelf life, years	2	3	sterile - 2 non-sterile - 3	2
USP-compliant components (made with)	n/a	n/a	✓	✓
Gamma-irradiated available	✓		✓	✓
Testing				
Endotoxin tested	✓		✓	✓
Sterile validated	✓		✓	✓
Lot traceable	✓	✓	✓	✓
Forms and Packaging				
Ready-to-use solution	✓	tablet	✓	✓
Concentrate available	✓	tablet		
Dilution rate for the concentrate solution	2 oz / gallon	see dilution chart		
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
Ready-To-Use • Cleaner • Disinfectant
Fungicide • Mildewstat • Virucide*
For Hospitals, Institutional, Industrial,
Veterinary, Food Handling and Process Areas.
ACTIVE INGREDIENTS:
Alkyl (C14; 50%; C12, 40%; C16, 10%)
dimethyl benzyl ammonium chloride 0.034%
Octyl Decyl Dimethyl Ammonium chloride 0.026%
Didecyl Dimethyl Ammonium Chloride 0.013%
Dioctyl Dimethyl Ammonium Chloride 0.013%
INERT INGREDIENTS: 99.914%
TOTAL 100.000%
KEEP OUT OF REACH OF CHILDREN
CAUTION
See Back Panel for Additional Precautionary Statements
and First Aid Statements.
Made in the USA
EPA Reg. No. 10324-85-46552
Est. No. 46552-NC-002
Texwipe®
A TechCel Company

TexQ® Disinfectant

One-step cleaner and disinfectant
54 kill claims

Section Contents

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) (reorder number TX650) and **Ready-to-Use solution in a one gallon bottle** for large areas (reorder number TX652). All solutions are 0.2 µm filtered. TX650 TexQ® Disinfectant in both 22 oz and one gallon bottles is gamma-irradiated to a Sterility Assurance Level of 10^{-6} according to AAMI Guidelines.

The TexQ® Advantage

- **54 Kill Claims** – Proven efficacy against the most common cleanroom bacteria, viruses and fungi including MRSA, Pseudomonas, H5N1 and HIV-1 at 2 or 10 minutes contact time.
- **Complex Formulation** – Excellent cleaning and disinfecting properties for uniform and complete disinfection of a 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 TexQ® Disinfectant in both 22 oz and 1 gallon bottles is Gamma-irradiated** – Compliant with aseptic environment requirements and USP <797>.
- **Free of dyes and fragrance** – No respiratory irritation – safe for 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.
- **Hazardous drugs removal** – TX650 TexQ Disinfectant is a part of the Hazardous drugs cleaning protocol* (USP <800>).

*Click here for the TechNote "The Effectiveness of the TexQ® Decontamination Protocol in Cleaning Surfaces Soiled with Hazardous Drugs"

Industries

- Biotechnology
- Hospitals
- Pharmacies USP <797>, USP <800>
- Medical device manufacturing facilities
- Pharmaceutical manufacturing facilities
- Veterinary clinics and laboratories
- Food processing facilities

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
- TX650 TexQ® Disinfectant is recommended for use as part of Texwipe's Hazardous drugs cleaning protocol*

TexQ® Products

Made in USA

Reorder Number		Description	Packaging
TX650		TX650 TexQ® Disinfectant Ready-to-Use (RTU) Gamma Irradiated	22 oz. Trigger Spray 12 bottles/case
TX652		TX650 TexQ® Disinfectant Ready-to-Use (RTU) Gamma Irradiated	One Gallon (3.8 liters) bottle 4 bottles/case

TexQ® Kill Claims

Bacteria	Contact Time in Minutes*
Staphylococcus aureus Hospital Acquired Methicillin Resistant *(HA MRSA)*	10
Staphylococcus aureus Community Acquired Methicillin Resistant *(CA MRSA)*	10
Burkholderia cepacia	10
Campylobacter jejuni	10
Corynebacterium ammoniagenes	10
Enterobacter cloacae	10
Enterobacteriaciae w/extended beta-lactamase resistance	10
Enterococcus faecalis	10
Enterococcus faecium Vancomycin Resistant	10
Escherichia coli	10
Escherichia coli *(Multi-Drug Resistant)*	10
Escherichia coli O157:H7	10
Klebsiella pneumoniae	10
Klebsiella pneumoniae *(MDR)*	10
Legionella pneumophila	10
Listeria monocytongenes	10
Proteus mirabilis	10
Proteus vulgaris	10
Pseudomonas aeruginosa	10
Pseudomonas aeruginosa *(Multi-Drug Resistant)*	10
Salmonella enterica	10
Salmonella Paratyphi B *(schottmuelleri)*	10
Salmonella enterica Typhi	10
Serratia marcescens	10
Shigella dysenteriae	10
Shigella flexneri 2B	10
Shigella sonnei	10
Staphylococcus aureus	10
Staphylococcus epidermidis *(Multi-Drug Resistant)*	10
Streptococcus pyogenes	10
Vibrio cholerae	10

Viruses	Contact Time in Minutes*
Avian Influenza A *(H5N1)* Virus	10
Avian Influenza A *(H5N2)* Virus	10
Canine Coronavirus	10
Canine Distemper Virus	10
Hantavirus	10
Hepatitis B Virus *(HBV)*	10
Hepatitis C Virus *(HCV)*	10
Herpes Simplex Type 1	10
Herpes Simplex Type 2	10
Human Immunodeficiency Virus Type 1 *(HIV-1, AIDS Virus)*	2
Human Coronavirus	10
Infectious Bovine Rhinotracheitis Virus *(IBR)*	10
Influenza A *(H3N2)* Virus	10
Influenza A *(H1N1)* Virus	10
Newcastle Disease Virus	10
Porcine Respiratory & Reproductive Virus *(PRRSV)*	10
Porcine Rotavirus	10
Pseudorabies Virus	10
Respiratory Syncytial Virus	10
Transmissible Gastroenteritis (TGE)	10
Vaccinia Virus	10
Fungi	
Candida albicans	10
Trichophyton interdigitale	10

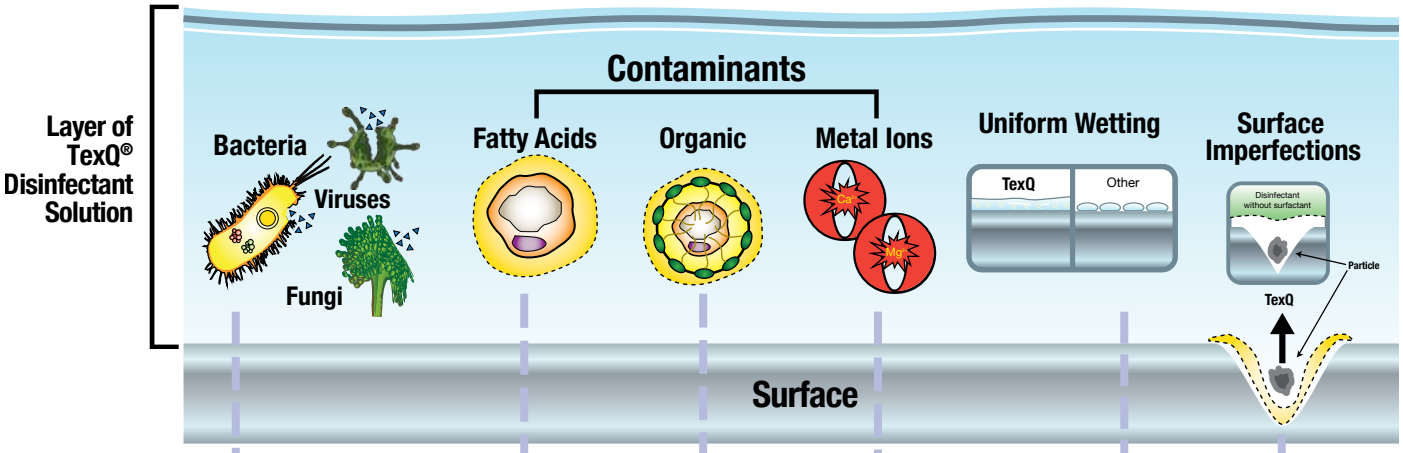
* Tested according to the AOAC Use Dilution Test method on hard inanimate surfaces modified in the presence of 5% organic serum (860 ppm active).

TX650 TexQ® Disinfectant has demonstrated effectiveness against **Human Coronavirus, Canine Coronavirus,** and another Coronavirus type (for swine), **Transmissible Gastroenteritis (TGE),** on hard, non-porous surfaces with a 10-minute kill time.

TexQ® Disinfectant is included in the EPA's ***List N: Disinfectants approved for Use Against SARS-CoV-2.*** For more information click here.

How Does TexQ® Work?

Disinfection + Cleaning with One Product



Powerful TexQ® components ***disrupt the wall membranes*** of bacteria, viruses and fungi leaving the surface disinfected.

TexQ® ***neutralizes fatty acids and removes*** them from the surface.

TexQ® ***suspends organic contaminants in the solution*** making them easily removed.

TexQ® ***traps metal ions*** such as calcium and magnesium for their easy removal.

TexQ® Disinfectant ensures uniform wetting to entire surface for ***uniform cleaning and disinfection.***

TexQ® Disinfectant ***removes particles*** from surface imperfections.

Surface Compatibility

- Glass, glazed porcelain, glazed ceramic
- Laminated surfaces, Formica®
- Stainless steel, aluminum, metal
- Plexiglas®
- Plastics (such as polycarbonate, polyvinylchloride, polystyrene or polypropylene)
- Vinyl and plastic upholstery
- Sealed granite, sealed marble, sealed limestone, sealed slate, sealed stone
- Sealed terra cotta, sealed terrazzo, vanity tops
- Chrome and vinyl
- Enameled surfaces, painted/finished woodwork
- Washable wallpaper
- External Lenses Vision correction including eyeglasses, protective eyewear, goggles, light lens covers, optical instruments/implements. (Not for use on contact lenses.)

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 Precleaning 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

[1]Based on a 150-pound person

Shelf Life

For TX650 TexQ® Ready-to-use (RTU) in both 22 oz. & 1 gallon bottles:

- 2 years (the expiration date is indicated on the product label), even after opening the bottle or spraying from the bottle.

Disposal

TX650 and TX652: Dispose of contents and container in accordance with all local, regional, national and international regulations (see Safety Data Sheet, Section 13.)

One-Step Cleaning & Disinfection

Save a step with TexQ®!

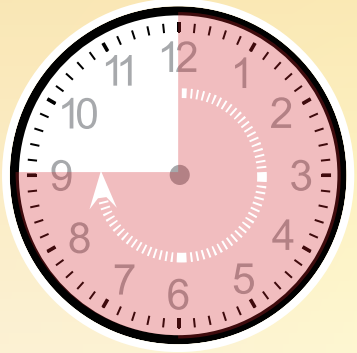
The common cleaning and disinfecting practice includes three steps:

1. **Pre-cleaning step** – using a cleaning solution for soil and organic contamination removal.
2. **Disinfectant step** – using a disinfectant solution for antibacterial action.
3. **Residue removal step** – for the disinfectant's left-over removal.

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 trapping 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 "Pre-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.**

Common steps



1 Cleaning
Apply a cleaning solution

+

2 Disinfection
Apply a disinfectant

+

3 Residue Removal
Remove residue

Cleaning & Disinfecting in One Step

1 Cleaning & Disinfection
Apply TexQ® One-Step Disinfectant only

+

2 Residue Removal
Remove residue using a 70% IPA or Hydrogen Peroxide Solution with a dry wiper or a pre-wet 70% IPA wiper

** For heavily soiled areas or when visible soil is present, the Pre-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.*

Use Directions

TexQ® is a one-step disinfectant which can clean and disinfect in one step unless visible soil is present.

Use directions for TX650 TexQ® Disinfectant in a spray bottle.

Remove the visible soil from the surface, if present; otherwise, start with the next step.

Spray 6"-8" from the surface until it is completely wet.

Spray a dry wiper.

Wipe the surface.

Leave the surface wet for the required 10 minute contact time.

Remove any remaining residue with an isopropyl alcohol (IPA) pre-wetted wiper.

TexTab™

The Bleach Alternative in an Effervescent Tablet Form

Kills *C. difficile* spores in just 4 minutes

Section Contents

Why TexTab™?

TexTab™ TX6460 is an **EPA-registered** broad spectrum and sporicidal disinfectant in an effervescent tablet form. Each tablet contains 48.21% of sodium dichloro-s-triazinetrione. This is equivalent to 31.1% of active chlorine.

Unique, single dose, **fizzing tablet dissolves fast and completely,** delivering an accurate strength chlorine solution every time, eliminating "measure and pour" guesswork. Refer to dilution chart for different dilution rates and available chlorine concentrations to prepare **sanitizing, bactericidal or sporicidal solution** strengths. Use anywhere liquid bleach is used.

TexTab™ is effective against a broad spectrum of pathogenic organisms including ***C. diff*** spores, mycobacteria, Gram-negative and Gram-positive bacteria, antibiotic-resistant bacteria, enveloped and non-enveloped viruses and fungi/yeasts with total number of **64 EPA-registered kill claims**. See the complete list of kill claims on page 13.

TexTab™ is certified to the **NSF International Registration Guidelines for Proprietary Substances and Nonfood Compounds** (2017), Category Code D2. This product is acceptable for use as a sanitizer on all surfaces not always requiring a rinse (D2) in and around food processing areas. For more details click here.

Industries

- **Pharmaceutical, Medical Device and Cosmetic Manufacturing Facilities**
- **Biotechnology firms**
- **Pharmacies and Compounding Pharmacies**
- **Medical and Dental –** 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 –** All types of hard, non-porous equipment and utensils used in food processing and canning plants, bottling plants, breweries, fish processing plants, meat and poultry processing plants, milk handling and processing plants, stores, and restaurant and institutional dining establishments. NSF Certified Category Code D2.

The TexTab™ Advantage

- **Kills *Clostridium difficile (C. diff)* spores in just 4 minutes** – A lower (at 4,306 ppm or 4 tablets/gallon dilution rate) contact time required for most bleach solutions
- **Convenient effervescent tablets –** Simple to use for preparing a fresh solution, when needed. Exact dosage tablet delivers an accurate strength solution every time. Eliminates the risk of concentrated bleach spills.
- **Different dilution rates for different disinfection needs –** Sanitization and disinfection strength – for everyday use. Sporicidal strength – for weekly/bi-weekly use.
- **Safe for surfaces and users –** Produces a solution with a pH of 6 to 7 (neutral) that does not damage finishes or equipment. Not considered a hazardous solution – less irritating for users than bleach. Less corrosive than bleach. Less odor than bleach.
- **NSF Certified** for use as a sanitizer in and around food processing areas.
- **Compact Packaging –** 1 canister of 256 tablets is equivalent to 8 gallons of concentrated bleach. Storage takes up less shelf space. Less packaging to dispose of after the product is used. Reduced shipping costs.
- **Stable in Storage –** Three-year shelf-life for tablets (versus one year for concentrated bleach). Three-day shelf-life for diluted solutions in closed containers (versus 1 day for diluted bleach).
- **TexTab™ Disinfectant** is included in the **EPA's List N: Disinfectants approved for Use Against SARS-CoV-2**. For more information click here.

TexTab™ Product

Part Number		Description	Packaging
TX6460		TexTab™ Disinfectant Tablets	256 tablets/bottle 2 bottles/case

Applications

- Disinfecting any hard, non-porous, inanimate surface (see the surface compatibility table on page 17)
- Replacing liquid bleach solutions in all applications
- Using as part of a disinfectant rotation program as a bactericidal disinfectant for everyday use and/or a sporicidal disinfectant weekly or biweekly. Use the dilution chart for different dilution rates (page 16)
- Pre-cleaning gross soil before disinfection
- Cleaning, sanitizing and disinfecting small work areas as well as large areas (floors, walls, ceilings)


TX®6460
TexTab™
Effervescent Disinfectant Tablets for Hospital and Institutional Use
Kills Clostridium Difficile Spores in 4 minutes
ACTIVE INGREDIENT:
Sodium dichloro-s-triazinetrione 48.21%*
OTHER INGREDIENTS: 51.79%
TOTAL: 100.00%
* Equivalent to 31.10% active chlorine by tablet weight. Refer to dilution chart for Available Chlorine concentrations.
KEEP OUT OF REACH OF CHILDREN
DANGER
FIRST AID
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
PHYSICAL OR CHEMICAL HAZARDS
IN THE EVENT OF A MEDICAL EMERGENCY CALL YOUR POISON CONTROL CENTER AT 1-800-222-1222.
NOTE TO PHYSICIAN:
See inside panels for additional precautionary statements.
NET CONTENTS:
256 TABLETS
EPA Reg. No. 71847-6-46552
EPA Est. No. 46552-NC-002
Texwipe
An ITW Company
APPROXIMATE VOLUMES
0 1000
100 900
200 800
300 700
400 600
500 500
600 400
700 300
800 200
100

Efficacy

TexTab™ efficacy against the microbes and spore claimed on the product label has been demonstrated in tests that are prescribed and regulated by the US Environmental Protection Agency (US EPA) under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Performance	Sanitization	Bactericidal Disinfection			Sporicidal Disinfection	TB Disinfection
Available chlorine concentration	**100 ppm**	**538 ppm**	**1076 ppm**	**2153 ppm**	**4306 ppm**	**5382 ppm**
Dilution rate	**1 tab/10 gal water**	**1 tab/2 gal water**	**1 tab/1 gal water**	**2 tab/1 gal water**	**4 tab/1 gal water**	**5 tab/1 gal water**
Sporicidal kill claims						
Clostridium difficile spores					4	
Bactericidal kill claims						
Mycobacterium bovis (TB)						4
Acinetobacter baumannii					4*	
Actinobacillus pleuropneumoniae			10			
Bordetella bronchiseptica (rhinitis)			10			
Brachyspira (Treponema/Serpulina)			10			
Escherichia coli O157:H7			10			
Hyodysenteria (swine dysentery)			10			
Klebsiella pneumoniae			10			
Klebsiella Pneumoniae Carbapenan resistant					4*	
Pseudomonas aeruginosa		10			4*	
Salmonella enterica	1	10			4*	
Staphylococcus aureus	1	10			4*	
Staphylococcus aureus Methicillin resistant (MRSA)			10		4	
Staphylococcus aureus Gentamicin resistant (GRSA)			10		4	
Staphylococcus epidermidis			10			
Streptococcus pneumoniae					4	
Streptococcus uberis			10			
Vancomycin Resistant *Enterococcus faecalis*			10			

*no pre-cleaning required

Performance	Sanitization	Bactericidal Disinfection			Sporicidal Disinfection	TB Disinfection
Available chlorine concentration	**100 ppm**	**538 ppm**	**1076 ppm**	**2153 ppm**	**4306 ppm**	**5382 ppm**
Dilution rate	**1 tab/10 gal water**	**1 tab/2 gal water**	**1 tab/1 gal water**	**2 tab/1 gal water**	**4 tab/1 gal water**	**5 tab/1 gal water**
Virucidal kill claims						
African swine fever			30			
Avian influenza A (H5N1)					1	
Avian influenzavirus (H5N1)					1	
Avipox (fowl pox) (FPV)			30			
Canine Distemper virus			10			
Canine Parvovirus			10			
Cocksackievirus					1	
Feline Calicivirus			10			
Gumboro disease			10			
Hepatitis A			10		1	
Hepatitis B			10		1	
Hepatitis C			10		1	
Herpes simplex virus type 1			10			
Human Immunodeficiency Virus Type 1 (HIV-1)			10		1	
Hog cholera/Classical swine fever (CSFV)			30			
Infectious Canine hepatitis			10			
Influenza virus H1N1			10			
Newcastle Disease Virus			10			
Norovirus				1		
Poliovirus Type 1			10			
Porcine parvovirus			10			
Porcine epidemic diarrhea virus			10			
Pseudorabies			10			
Respiratory syncytial virus		10				
Rhinovirus			10			
Runting & Stunting virus (tenosynovitis)			10			
Swine Vesicular disease			30			
Teschen/Talfan disease			10			
Transmissible gastroenteritis (TGE)			30			
Fungicidal kill claims						
Aspergillus fumigatus					1	
Candida albicans					4	
Trichophyton interdigitale			10			

*no pre-cleaning required

How TexTab™ Differs from Traditional Bleach

The active ingredient in **TexTab**™ is sodium dichloro-s-triazinetrione. The active ingredient in **bleach** is sodium hypochlorite.

While **TexTab**™ does provide free available chlorine for disinfection purposes, it is not the hypochlorite ion in solution like traditional bleach. There are significant differences that need to be understood to differentiate the two product types.

The active ingredient in bleach, sodium hypochlorite, is stabilized with caustic, and as a result, solutions made from bleach have a pH of 11 or higher. On the other hand, solutions made with **TexTab**™, where the active ingredient is sodium dichloro-s-triazinetrione, have a pH of ~ 6.5 (neutral) when dissolved in water. The lower pH explains the **safety and less corrosiveness benefits of TexTab**™ **solutions**.

Once in solution, sodium dichloro-s-triazinetrione initially releases only 50% of its total chlorine content as free available chlorine (FAC), which is thought to be the active disinfection agent. As the free available chlorine gets consumed, because of sodium dichloro-s-triazinetrione's chemical structure, it continues to release the remaining chlorine to maintain the free available chlorine level in the solution, hence continued disinfection power. Sodium hypochlorite, 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 the TexTab**™ **use solutions**. The study report is available as a Texwipe TechNote titled "Corrosion of Metals in Chlorine-Containing Disinfectant Solutions: TexTab™ TX6460 versus Sodium Hypochlorite".

Furthermore, free available chlorine exists in two forms: hypochlorous acid (HOCl) and the hypochlorite ion (OCl^-). Studies show that hypochlorous acid has four times more disinfection power than the hypochlorite ion. It is thought that this is because HOCl is more similar to the water molecule (HOH) ionic character than the hypochlorite ion, and it is easier for it to penetrate through the negatively charged cell wall than the hypochlorite ion (OCl^-). Ninety percent of the free available chlorine produced by sodium dichloro-s-triazinetrione at pH ~6.5 exists in hypochlorous acid form. Less than 3% of the free available chlorine produced by sodium hypochlorite (bleach) at a pH 11 or higher exists in the hypochlorous acid form. This difference explains the **effectiveness benefit of TexTab**™ **(shorter kill time for the sporicidal action)** over a bleach solution.

Although the final use solutions are used as disinfectant and sporicides, there are no equivalent concentrations for **TexTab**™ and traditional bleach solutions. Comparisons must be made by use conditions and kill claims for each product only.

These Differences Favor Unique TexTab™ Advantages:

- Solutions of **TexTab**™ (sodium dichloro-s-triazinetrione) are far less corrosive than bleach solutions due to their neutral pH.
- Has longer lasting, free available chlorine in reserve. Bleach solutions do not. Diluted solutions of **TexTab**™ generate killing power for three days in closed containers like a spray bottle, one day in an open container like a bucket. Diluted solutions of bleach become inactive after a day.
- Delivers more potent disinfection power, in the form of hypochlorous acid, than bleach solutions.

TexTab™ Versus Bleach Comparison

	Bleach	TexTab™ TX6460
Effective pH	10 – 13	6 – 7
Packaging and delivery	Heavy, concentrated solution	Bulk packed tablets
Use convenience	Must be stored, diluted, mixed, and filtered	Made at point-of-use
Stability	Degrades over time (may lose 20% of its activity in 6 months after opening) The bleach solution concentration should be confirmed before use	Stable, fresh solution No confirmation of concentration needed
Shelf Life	6 - 12 months for concentrate 1 day for diluted solutions	3 years for tablets 3 days for mixed solutions (in closed containers)
Odor	Strong	Moderate
Corrosion potential	High	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: Respiratory system	High (Severe irritant or may cause damage)	Irritant
DOT Hazard Classification	Corrosive, Class 8 at 12% strength	The tablets and use-solutions are not classified as hazardous under the DOT regulations
Bactericidal concentration	2,400 – 5,000 ppm	538 – 2153 ppm
Sporicidal concentration	>5,000 ppm	4,306 ppm

Click here for TexTab™ vs Bleach Corrosion Study

Disinfecting with TexTab™

Pre-Cleaning Surfaces Before Disinfection

- All treated surfaces must be freed of all visible soil and pre-cleaned with a cleaning solution (soap or detergent). In some situations, a rinse of the cleaning solution with water is needed.
- The pre-cleaning process may be also accomplished with an IPA (isopropyl alcohol) pre-wetted wiper or a **TexTab**™ TX6460 solution.
- For the 4306 ppm dilution application no pre-cleaning is required for some or selected microbes – **TexTab**™ acts as a one-step disinfecting and cleaning agent.

Dilution chart for solution preparation

Solution ppm (mg/L) Available Chlorine	Tablets	Water (gallons)
100	1	10
538	1	2
1076	1	1
2153	2	1
4306	4	1
5382	5	1

Sanitizer
Bactericidal – kills bacteria and viruses
Sporicidal – kills *C. Diff* spores
Kills Mycobacterium (Tb)

Shelf Life of Ready-to-Use Solution

- In closed containers, e.g., spray bottles – 3 days
- In open containers, e.g., buckets – 1 day
- When the solution in the bucket becomes diluted or soiled, prepare a fresh solution.

Disinfecting Application Methods
(may be applied by)

- Wiper
- Sponge
- Foaming equipment
- Mop
- Brush
- Wide trigger sprayer

Sanitizing Application Methods

- **Spray/pressure spray method** – for large, non-porous surfaces such as batch pasteurizers; holding tanks, weigh tanks, tank trucks and cars, vats, tile walls, ceilings, and floors.
- **General rinse method** – for plant floors, walls and ceilings, and also controlling odors in refrigerated areas and drain platforms. Approved by NSF as D2 No Rinse Sanitizer

Residue Removal

- All treated equipment and surfaces that will contact food, feed, drinking water or critical products must be rinsed with potable water before reuse.
- Other surfaces (i.e., floors, walls, ceilings), including animal housing facilities, should be allow to air dry before reuse.
- **TexTab**™ is a non-rinse sanitizer at 100 ppm dilution rate for all surfaces except ones in contact with food, feed, drinking water or critical products.

Stability

A stability study showed that **TexTab**™ solutions, whose concentrations ranged from 100 to 10,000 ppm active chlorine, retained the required chlorine activity in storage for **3 days** in a closed container at room temperature out of direct sunlight. The solution of 1,500 ppm active chlorine remained stable for 6 days.

Based on this study, **TexTab**™ solutions can be used for up to **3 days** if stored in a closed container such as a spray bottle at room temperature out of direct sunlight. The solution **should be replaced every three days** with a freshly made solution.

The study report is available as a Texwipe TechNote titled **"TexTab™ TX6460 Solution Decay Study."**

Surface Compatibility

TexTab™ may be used on hard, non-porous surfaces such as: hospital beds, examining tables, operating tables, medical equipment surfaces, counters, walls, ceilings, shower stalls, bathroom fixtures, kennel/cage floors, examination tables, athletic mats, exercise equipment, and locker rooms areas, whirlpools, Hubbard tanks, food preparation and storage areas and other.

At the dilution rate of 2,000 mg/l (2,000 ppm) of active chlorine TexTab™ is compatible with the following surfaces:

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

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

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

Non Metals	Compatibility
Carbon Graphite	A
Ceramic Al_2O_3	A
Ceramic Magnet	A

At the dilution rate of 200,000 mg/l (200,000 ppm) of active chlorine TexTab™ is compatible with the following surfaces:

Plastics	Compatibility
ABS	B
Acetal	D
CPVC	A
Epoxy	C
Hytrel®	A
HDPE	A
LDPE	A
Noryl®	A
Nylon	D
Polycarbonate	C
Polypropylene	A
PPS	A
PTFE	A
PVC	A
PVDF	A

Elastomers	Compatibility
Nitrile (Buna N)	B
EPDM	B
Hypalon®	A
Kel-F®	A
Natural rubber	C
Neoprene	C
Santoprene®	A
Silicone	B
Tygon®	C
Viton®	A^2

Metals	Compatibility
SS 304	C
SS 316	C
Aluminum	D
Brass	D
Bronze	C
Carbon Steel	D
Carpenter 20	D
Cast Iron	D
Hasteloy C®	A
Titanium	C

Non Metals	Compatibility
Carbon Graphite	B
Ceramic Al_2O_3	A
Ceramic Magnet	A

Explanations 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. Softening, loss of strength, swelling may occur
D = Severe Effect, not recommended for ANY use

Preparation of TexTab™ Sporicidal Dilution

In a Bucket

Fill the bucket with the specified amount of water (per SOP).

Add 4 tablets per gallon of water to make a sporicidal dilution. See the dilution chart on page 16.

Wait while the tablets dissolve (2-3 minutes).

Use Directions

Mop the surface.

To kill *Clostridium difficile* spores, leave the surface wet for 4 minutes.

Remove the residue with sterile water, if needed.

Preparation of TexTab™ Sporicidal Dilution

In a Spray Bottle

Fill the measuring beaker with 32 oz of water and add 1 tablet of TexTab™ to make a sporicidal dilution. *(There are 4 tablets per gallon needed for the sporicidal dilution. One tablet will be needed to make a sporicidal dilution in 32 oz spray bottle)*

Wait while the tablet dissolves (about 2-3 minutes).

Pour the solution into a spray bottle.

The sporicidal solution can be used for up to 3 days.

Use Directions

Remove any visible soil or spills from the surface using a sterile wiper: dry or pre-wetted with 70% IPA / 30% DIW or TexTab™ solution itself.

Wipe the surface with a wiper pre-wetted with TexTab™ sporicidal solution.

To kill *Clostridium difficile* spores, leave the surface wet for 4 minutes.

Remove the residue with a sterile 70% IPA pre-wetted wiper.


TX®3270
Solutions
Sterile 70% Isopropanol
70% USP Isopropyl Alcohol | 30% USP Purified Water
Danger
Pericolo
Vaara
Farlig
Fara
Peligro
Onacно
Fare
Niebezpieczeństwo
Texwipe

IPA

Sterile & Non-Sterile Isopropyl Alcohol

When Cleaning is Critical

IPA Solutions

Texwipe Non-sterile and Sterile 70% Isopropanol solutions contain 70% **USP-grade** Isopropanol (Isopropyl Alcohol) and 30% **USP purified water** (by volume).

100% Isopropanol solutions contain **100% Semiconductor grade** Isopropanol (Isopropyl Alcohol).

Features & Benefits

- Filled in an ISO Class 5 environment.
- 0.2 µm filtered and filled into cleaned containers.
- Double-bagged in solvent-safe bags.
- Evaporates leaving low residue, no rinse required.
- Trigger sprayer bottles are fully assembled and ready-to-use.
- Trigger sprayers offer stream delivery or wide spray.
- Meets USP <797> and USP <800> requirements.
- Individually lot coded for ease of traceability and quality control.
- Sterile products - Tested for endotoxins.

Applications

- Surface cleaning and residue removal.
- Cleaning gloves, notebooks, phones or any other item entering the cleanroom.
- Wipe down for pass-through to controlled environments.
- Ideally suited for use with Texwipe cleanroom wipers.

Industries

- Aerospace
- Biologics
- Compounding Pharmacies
- Facilities Maintenance
- Laboratory
- Microelectronics
- Printing/Graphics
- USP <797> / USP <800>
- Animal Laboratory
- Cleanroom Design/Build
- Data Storage
- Industrial
- Medical Device
- Pharmaceutical
- Semiconductor

Sterility Assurance

- Gamma irradiated to a Sterility Assurance Level of 10^{-6} according to AAMI Guidelines.
- Sterile Validation Documentation available upon request.
- Certificates of Compliance, Analysis and Irradiation available at www.texwipe.com/certifications.

Cleanroom Environment

Non-Sterile

- ISO Class 3 – 8
- Class 100 – 100,000
- EU Grade B – D

Sterile

- ISO Class 3 – 8
- Class 1 – 100,000
- EU Grade A – D

Shelf Life

- Non-Sterile – 3 years from date of manufacture
- Sterile – 2 years from date of manufacture

IPA Products

IPA %	Sterile	Part Number		Description	Packaging
70% Isopropyl Alcohol					
70%	•	**TX8270**		70% Isopropyl Alcohol Sterile	8 oz. (237 mL) spray bottle 12 bottles/case
70%	•	**TX3270**		70% Isopropyl Alcohol Sterile	16 oz. (473 mL) spray bottle 12 bottles/case
70%		**TX167**		70% Isopropyl Alcohol Non-Sterile	16 oz. (473 mL) spray bottle 12 bottles/case
70%	•	**TX3273**		70% Isopropyl Alcohol Sterile	32 oz. (946 mL) spray bottle 12 bottles/case
70%	•	**TX3290**		70% Isopropyl Alcohol Sterile	1 gallon (3.8 liters) 4 bottles per case
70%		**TX117**		70% Isopropyl Alcohol Non-Sterile	1 gallon (3.8 liters) 4 bottles per case
100% Isopropyl Alcohol					
100%		**TX161**		100% Isopropyl Alcohol Non-Sterile	16 oz. (473 mL) spray bottle 12 bottles/case
100%		**TX111**		100% Isopropyl Alcohol Non-Sterile	1 gallon (3.8 liters) 4 bottles per case

Sterile

70% Denatured Ethanol Solutions

For Critical Cleaning Applications

70% Denatured Ethanol

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

Features & Benefits

- **Filled in an ISO Class 5 environment**; 0.2 µm filtered
- **Individually double bagged and gamma irradiated** to a Sterility Assurance Level of 10^{-6} according to AAMI guidelines
- **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
- **SDS and Sterility Validation** documents available upon request

Industries

- Microelectronics
- Biologics
- Pharmaceuticals
- Semiconductor
- Medical Device
- 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

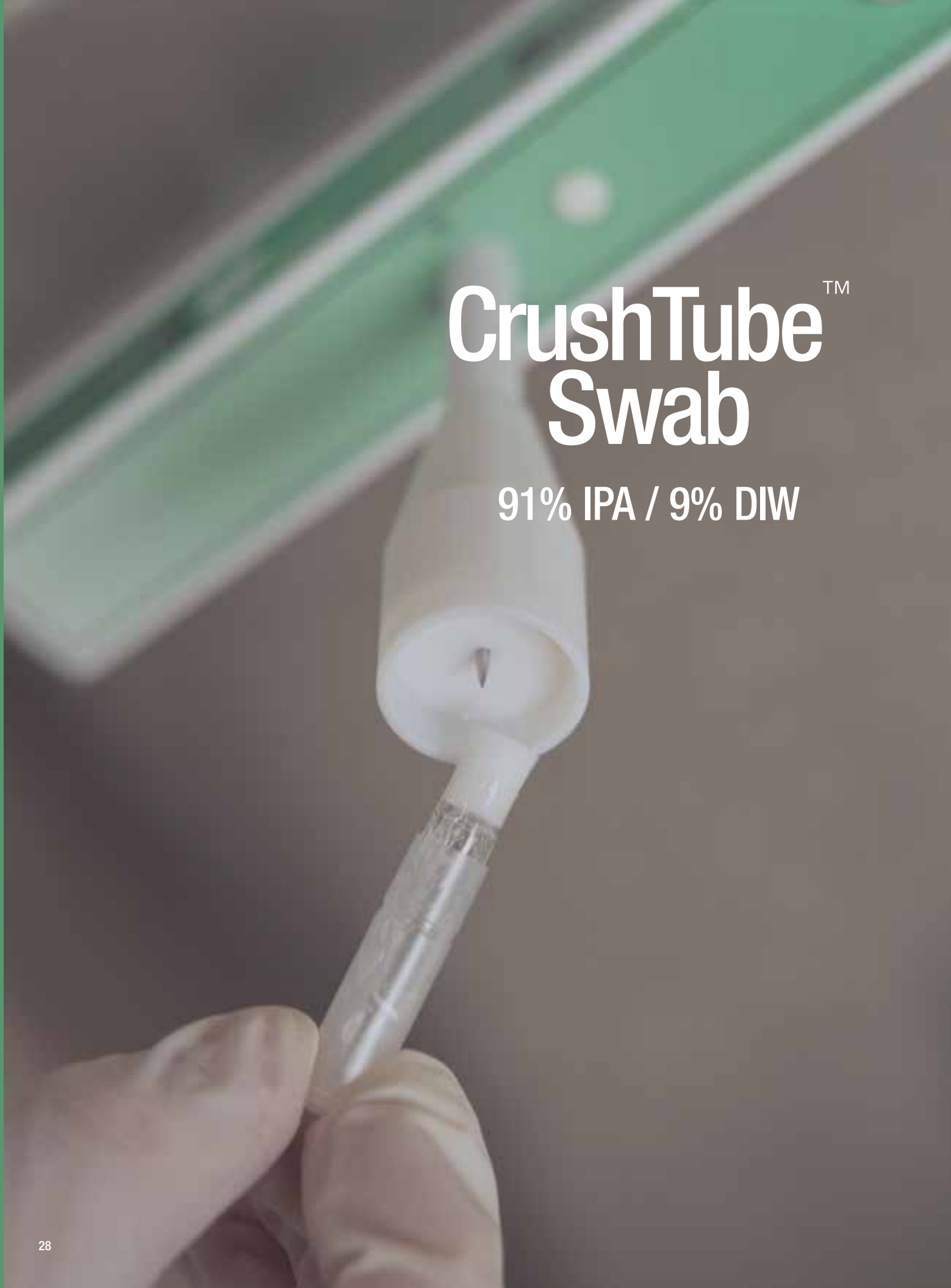
Sterility Assurance

- Gamma irradiated to a Sterility Assurance Level of 10^{-6} according to AAMI Guidelines.
- Sterile Validation Documentation available upon request.
- Certificates of Compliance, Analysis and Irradiation available at www.texwipe.com/certifications.

70% Denatured Ethanol Products

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

*Made in **USA***



CrushTube™ Swab

91% IPA / 9% DIW

CrushTube™ Swab

Texwipe's CrushTube™ system includes a 100% polyester nonwoven material head attached to a protective polybutyrate external vial enclosing an internal vial made of soda lime glass (Type III USP glass), that contains USP-grade 91% IPA / 9% DIW solution.

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

Each swab is individually packaged in a cleanroom compatible peel-apart sleeve.

Features & Benefits

- **IPA solution is separated from head until the internal vial is crushed**
- **Precision spot cleaning,** no extra container of solvent needed
- **Individually packaged** for ease of transportation and use
- **Lot coded** for traceability and quality control

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

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

For Technical Data Sheet click here.

Watch the CrushTube™ video here.

For More Swab Products, *See our Swabs Brochure online at texwipe.com.*

APPENDIX

Section Contents

Disinfectant 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	• 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	• 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	• 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	• 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	• 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	• 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	• 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	• 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	• 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	• 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

[1]Based on a 150-pound person

Solutions Compatibility with Wipers, Mops & Swabs

				Disinfectants		Cleaners	
Material/ Fabric	Texwipe Wiper Products	Texwipe Mop Products	Texwipe Swab Products	TexQ®	TexTab™	IPA	Ethanol
Polyester/ Cellulose	TX622, 624, 629, 604, 606, 609, 612, 1109, 1112, 1118, 3210			✗	✓	✓	✓
Microdenier (100% Polyester)	TX59, 3059	AlphaMops: TX7118M, **STX7118M,** TX7114M, **STX7114M** BetaMops: TX7070, **STX7070**	Microdenier Series	✓	✓	✓	✓
Polyester (100%)	TX1010, 1012, 1029, 1050, 1052, 1060, 1069, 1070, 1080, 8659, 1004, 1009, 1009B, 1013, 1008, 1008B, 2064, 2069, 2424, 2452, 2409, 2412, 2418, 49, 42, 29, 22 **TX3042, 3049, 3215, 3225, 3220, 3211, 3212, 3224, STX404, 409**	AlphaMops: TX7118, **STX7118**, TX7114, **STX7114** BetaMops: TX716R, **STX716R**, TX7072, **STX7072**	Alpha Series, Absorbond Series Polyester Honeycomb Series	✓	✓	✓	✓
Polyester/Rayon		BetaMops: TX7073, **STX7073**		✗	✓	✓	✓
Nylon	TX4004, 4009, 4012		TX730	✗	✓	✓	✓
Cotton	TX309, TX306, TX304, TX318, TX312, TX329		Cotton Series	✗	✓	✓	✓
Foam	TX704		CleanFoam Series A, CleanFoam Series B, General Purpose Foam Series	✓	✓	✓	✓
Polypropylene/ Cellulose	TX699, 2009			✗	✓	✓	✓

Sterile products are marked in BOLD

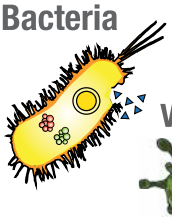
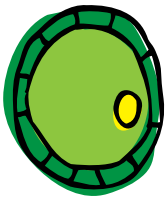
✗ = not compatible ✓ = compatible

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

Solution	Material	Name	Size	TX#	Bag Qty	Case Qty	ISO Class	EU Grade
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	20	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	20	5-8	B-D
			9" x 11" (23 cm x 28 cm)	TX3216	20	24	5-8	B-D
Ethanol 70%	Polyester	Vertex® HS	12" x 12" (30 cm x 30 cm)	TX3044P	25	5	3-7	A-D

Texwipe's Cleaning Rotation Recommendations

Microbe to be killed	Disinfectants to be used	How often to use	Remove disinfectant residues
Bacteria  Viruses   Fungi	**Rotate Bactericidal Disinfectants** • TexQ® disinfectant and • TexTab™ (Use bactericidal dilutions) 	**Use daily** (for example, at the beginning and/or at the end of the shift); **Change weekly** (for example, 1st week – use TexQ®, 2nd week – use TexTab™)	 **70% IPA** Sterile or non-sterile
Bacterial Spores *(C. Diff)* 	**Use Sporicidal Disinfectants** • TexTab™ (Use sporicidal dilutions) 	Use once a week, or every 2 weeks (for example, on Fridays, at the end of the last shift)	

Sample ISO Class 5 Cleaning Frequency

Surface	Each Shift	Daily	Weekly	Monthly	Quarterly
Trash	✓				
Gowning room	✓				
Floors	✓				
Equipment	✓				
Furniture	✓				
Doors		✓			
Windows		✓			
Walls			twice weekly ✓		
Ceiling				✓	
Under raised floors					✓

Source: IEST-RP-CC-018.4, "Cleanroom Housekeeping: Operating and Monitoring Procedures," p. 13, Table 1.

"A risk assessment should be performed to determine the appropriate frequency for the user. This table is an example of the frequency of cleaning for an average ISO Class 5 cleanroom operation."

OVER 55 YEARS OF CLEAN

Putting the **clean** in **cleanroom** for over 55 years.

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.

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