

# CLEANING & DISINFECTION GUIDE FOR SiO THE MEDICAL PERFORMANCE GRADE SILICONE



**SiO™**

**The medical performance grade silicone™**

Flame Resistant, anti-microbial/bacterial without added chemicals

Inherently ink and stain resistant

Surprisingly soft and supple

## TEST PERFORMED:

Test Performed: Stain Resistance CFFA 141-2012 / Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes ASTM D1308-02(2013)

SiO STAIN RESISTANCE TEST RESULTS				
Stain Agent	Dry Cloth	Water Only	Detergent Based	Solvent Based
	24 Hours	24 Hours	24 Hours	24 Hours
Iodine				
Blood	3.0	5.0		
Coffee	2.0	5.0		
Ketchup	3.0	5.0		
Lipstick	3.0	4.0	5.0	
Mustard	2.5	5.0		
Sharpie Marker	1.0	1.0	3.0	4.0
Soy Sauce	3.0	5.0		
Suntan Oil	3.0	5.0		
Urine (Synthetic)	3.5	5.0		



## RATING SYSTEM:

- Class 5: No Evidence
- Class 4: Slight Evidence of stain present
- Class 3: Noticeable evidence of stain present
- Class 2: Considerable evidence of stain present
- Class 1: Excessive evidence of stain present

## NOTES:

Scale Used to Evaluation:  
Method Employed:  
Actual Cleaners Used:

AATCC Stain Release Replica  
Spot Test - Open  
Dry Cloth, Water, Detergent - Zout,  
Solvent - Formula 409

A coated fabric's ability to resist specific cleaners and disinfectants is an important part of the product's performance. SiO medical performance grade silicones were tested using the rigorous protocol developed by coated fabric manufacturers and distributors in conjunction with the Association for Contract Textiles. This particular test is to evaluate the impact of cleaners and disinfectants on coated fabrics.

**Test Method:** The cleaner or disinfectant at the recommended dilution is placed on a sample of the coated fabric for one day. After the chemical or disinfectant has evaporated completely, these steps are repeated over a five-day period for a total of five cycles. After the 5th cycle any chemical residue is wiped off using fresh water and the specimen is visually evaluated to the control sample for any visual changes.

Manufacturer	Product Name	EPA Registration Number	Active Ingredient	5th Application - Post Wipe
ALL	Isopropyl Alcohol - 7:3 dilution	N/A	Isopropyl Alcohol	No Effect
Biotrol	Birex SE Disinfectant	1043-92-51003	Phenolic	No Effect
The Clorox Company	Bleach - 1:4 dilution	5813-100	Sodium Hypochlorite	No Effect
The Clorox Company	Citrace Germicide	67619-29	Ethanol	No Effect
The Clorox Company	Clorox Disinfecting Wipes	5813-79	Quaternary Ammonium	No Effect
The Clorox Company	Clorox Healthcare Bleach Germicidal Wipes	676719-12	Sodium Hypochlorite	No Effect
The Clorox Company	Clorox Healthcare Hydrogen Peroxide Wipes	67619-25	Hydrogen Peroxide	No Effect
The Clorox Company	Clorox Hydrogen Peroxide Disinfectant	67619-24	Hydrogen Peroxide	No Effect
The Clorox Company	Formula 409 All Purpose Spray Cleaner	5813-73	Quaternary ammonium	No Effect
The Clorox Company	Greenworks All purpose cleaner	N/A	Ethanol	No Effect
Diversey Inc	Oxivir TB	70627-56	Hydrogen Peroxide	No Effect
Diversey Inc	Virex II 256	70627-24	Quaternary Ammonium	No Effect
Diversey Inc	Virox 5	N/A	Hydrogen Peroxide	No Effect
Ecolab	Oasis 146	1677-198	Quaternary Ammonium	No Effect
Ecolab	Oasis Quat 144	1677-43	Quaternary Ammonium	No Effect

# SiO: RESISTANCE TO CLEANERS AND DISINFECTANTS



SiO™

Manufacturer	Product Name	EPA Registration Number	Active Ingredient	5th Application - Post Wipe
Ecolab	Oxycide	1677-237	Hydrogen Peroxide	No Effect
Gojo Industries	Purell Food Service Sanitizer	84368-1	Ethyl Alcohol	No Effect
Metrex	Caviwipes	46781-8	Quaternary Ammonium; Isopropanol	No Effect
PDI	Sani-cloth AF3	9480-9	Quaternary Ammonium	No Effect
PDI	Sani-cloth Germicidal Wipe	9480-8	Sodium Hypochlorite	No Effect
PDI	Sani-cloth Bleach Germicidal Wipe	9480-4	Quaternary Ammonium	No Effect
PDI	Sani-cloth HB	61178-4-9480	Quaternary Ammonium; Isopropanol	No Effect
PDI	Sani-cloth Plus	9480-6	Quaternary Ammonium	Slight Effect
Reckitt Benckiser LLC	Lysol Spray	777-99-675	Quaternary ammonium, Ethanol	No Effect
Reckitt Benckiser LLC	Lysol Foaming Disinfectant Cleaner	777-71-675	Quaternary ammonium	Slight Effect
S.C. Johnson & Son, Inc.	Fantastik Spray Cleaner	4822-530	Quaternary ammonium	No Effect
SciCan	Optim 33 TB	74559-3-83259	Hydrogen Peroxide	No Effect
Triple S	Perisept	10324-214	Hydrogen Peroxide, Peroxy-acetic Acid	No Effect
Virox Technologies	Accel Prevention Concentrate	74559-4	Hydrogen Peroxide	No Effect
Virox Technologies	Accel TB	74459-1	Hydrogen Peroxide	No Effect
Wexford Labs Inc	Wex-Cide 128	34810-31	Phenolic	No Effect

## RATING SYSTEM:

No Effect or Slight Effect: Acceptable  
 Discoloring: Not acceptable beyond slight effect  
 Gloss: Not acceptable beyond moderate effect  
 Cracking, Peeling, or Bubbling: Not Acceptable

## DISCLAIMER

The test method is to evaluate the material's relative resistance or compatibility to specific cleaners and/or disinfectant chemistries and is not an approval or recommendation of said cleaners and/or disinfectants.  
 This test method is not intended to replicate a 'real world' scenario as there is no way to predict use (or misuse) of cleaners and/or disinfectants within an environment.

KEY	DEFINITION
NO EFFECT	NO CHANGE IN COLOR OR SURFACE FINISH
SLIGHT EFFECT	A CHANGE IN COLOR OR SURFACE FINISH ONLY VISIBLE AT CERTAIN ANGLES
MODERATE EFFECT	A CHANGE IN COLOR OR SURFACE FINISH VISIBLE FROM ALL ANGLES AND DIRECTIONS
SEVERE EFFECT	A CHANGE IN COLOR OR SURFACE FINISH, WHICH OBVIOUSLY AND MARKEDLY ALTERS THE ORIGINAL CONDITION OF THE SPECIMEN



Prompt cleaning is always recommended. Please follow the cleaning guide by type of stain.

## REGULAR CLEANING AND MAINTENANCE

Clean the soiled area with mild soap and water, then rinse with fresh water and wipe dry with a clean cloth.

## EXAMPLE

Dirt  
Dust  
Grime

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## FOOD STAINS / OILS

Wipe affected area with a soft cloth with appropriate pressure. If some stain persists, clean with mild soap and water. Rinse with fresh water and wipe dry. For stubborn stains spot clean with a 70% dilution of isopropyl alcohol and water and wipe. Rinse with fresh water and wipe dry.

Ketchup  
Chocolate  
Coffee  
Tea

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## INK MARKS/GRAFFITI

Rub the affected area with a dry soft cloth with firm pressure. If some stain is still present spray it with a 70% dilution of isopropyl alcohol and water and wipe. Rinse with fresh water and wipe. Note: Removal of ink, particularly permanent marker, may vary depending on the period of time that the ink sets in. While this material offers excellent protection, full removal is not guaranteed.

Ball Point Pen  
Permanent Marker

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## DENIM DYE TRANSFER

This material is designed to withstand the transfer of most types of indigo dye. In the case that faint dye transfer is visible, this can typically be removed with a 70% dilution of isopropyl alcohol and water. Note: Removal of indigo dye, particularly from wet jeans, may vary depending on the type of denim. While this material offers excellent protection, full removal is not guaranteed.

Blue Jeans

## HEALTHCARE

Wipe the affected area with a soft cloth with appropriate pressure. If some stain persists, spray it with a 70% dilution of isopropyl alcohol and water and wipe. Rinse with fresh water and wipe.

## EXAMPLE

Blood  
Urine  
Betadine

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## DISINFECTION

To disinfect apply a 20% solution of Household Bleach and water or a 70% solution of Isopropyl Alcohol and water. After the appropriate contact time, wipe surface dry and gently wipe or rinse with fresh water.

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