



Clean without chemicals.  
Kill harmful bacteria and  
the H1N1 virus.\*  
Protect the public health.

The new ionator EXP™ is an easy-to-use, on-demand cleaner that converts tap water into ionized water — a powerful dirt-removing, bacteria-killing agent.

One of the only cleaners in the world without a chemical-related health-warning label, the ionator EXP has been tested and confirmed to kill 99.9 percent of: E. coli, VRE, Salmonella, MRSA, Pseudomonas, H1N1, Listeria and E. coli O157:H7.\*

Best of all, with just a faucet and the ionator EXP, professional cleaners now have an abundant supply of effective cleaner and sanitizer without the ongoing expense of cleaning chemicals.

**Grand Haven Public School District** Adopted Activeion™ technology, eliminated eight chemical cleaners, and now saves \$37,000 per year.

**Georgia Institute of Technology** Adopted Activeion technology, eliminated four traditional cleaners, and reduced chemical expenditures by 50 percent.

Just charge it up, fill it up, and clean it up.



ionator EXP



## Activeion sanitizing test results

### TEST SUBSTANCE: ACTIVEION IONATOR

Organisms	Percent killed
Methicillin Resistant Staphylococcus Aureus	>99.9%
Vancomycin Resistant Enterococcus faecalis	>99.9%
Listeria monocytogenes	>99.9%
Escherichia coli	>99.9%
Staphylococcus aureus	>99.9%
Escherichia coli O157:H7	>99.9%
Pseudomonas aeruginosa	>99.9%
Salmonella enterica	>99.9%

## Activeion cleaning evaluation

### GENERAL-PURPOSE CLEANING

The Activeion technology was tested against a commercial-grade, general-purpose cleaner. The test was conducted with Hucker's Soil (a mixture containing creamy peanut butter, salted butter, stone ground wheat flour, egg yolk, evaporated milk, distilled water, printer's ink with boiled linseed oil and saline solution). The mixture was applied to ceramic, stainless steel and plastic surfaces.

**TURI CONCLUSION:** The Activeion technology removed more than 90 percent of the Hucker's Soil on two of the three surfaces in the first pass and was found to be more effective than the conventional cleaning products. The composite soil used in this test represents a worst-case cleaning scenario.

### GLASS, CHROME AND MIRRORS

The Activeion technology was tested against a leading glass cleaner. The test was conducted with SSL Soil 2 (a soap scum mixture containing shaving cream, deodorant, hair gel, toothpaste and water). The mixture was applied to glass, chrome and mirror surfaces.

**TURI CONCLUSION:** The Activeion technology is the most effective soap scum remover and had the lowest level of filming.

### SUMMARY OF RESULTS

<b>Test Substance:</b>	Activeion ionator
<b>Dilution:</b>	Each spray unit was filled with 250 mL of sponsor-supplied tap water
<b>Virus:</b>	Influenza A (H1N1) virus, ATCC VR-1469, Strain A/PR/8/34
<b>Exposure Time:</b>	Six Seconds (spray time)
<b>Exposure Temperature:</b>	Room Temperature (24.0°C)
<b>Efficiency Result:</b>	Two lots of Activeion, lot 1.1a 600 SZ#1 and lot 1.1a 600 SZ#2, met the test criteria specified in the study protocol. The results indicate complete inactivation of the Influenza A (H1N1) virus under these test conditions as required by the U.S. EPA for claims of virucidal activity.

### STAINLESS STEEL

Stainless steel coupons were measured with a gloss meter before and after cleaning to determine how well the supplied product improved the gloss of the surface. In addition, visual observations were made as to the level of cleanliness achieved. The stainless steel coupons were contaminated with several layers of fingerprints and wiped with a microfiber cloth.

**TURI CONCLUSION:** The Activeion product was effective at removing finger oils from the stainless steel surface and performed better than the stainless steel cleaner. The Activeion technology improved the shine/gloss by 20 percent.

### TESTING PERFORMED AT:

**TOXICS USE REDUCTION INSTITUTE (TURI)  
SURFACE SOLUTIONS LABORATORY**  
University of Massachusetts Lowell

TURI developed the test procedure and test method. Most testing performed to a modified ASTM G122 Test Method, a modified version of the Green Seal GS-37 standard, the CSPA DCC-17 – Greasy Soil Test Method, or the CRI Carpet Spot Cleaning TM-110 standard.

