

## City Learns Hydrogen Peroxide Lessons From Its Schools

Sometimes big changes start out small. Just ask Lou DiMauro, custodial manager for the Middletown Public Schools in Middletown, Conn. In September of 2004, he spearheaded the district's pilot program for green cleaning which relied upon hydrogen peroxide-based H<sub>2</sub>Orange<sub>2</sub> Concentrate 117 as the primary cleaning product.

H<sub>2</sub>Orange<sub>2</sub> 117 was chosen for the pilot for several reasons. First, the product is a favorite in educational environments due to its preferred hydrogen peroxide formulation and ease of use. Second, it combines powerful cleaning abilities with EPA registration as a sanitizer and virucide. Lastly, it is safe to use on any water-safe surface, so it cleans everything from whiteboard to desktops to

using and simplify the custodians' closets. The pilot was conducted in two schools, and was so successful the entire school district converted to the new system by the following year.

### Good for Schools, Good for Police

The school district's success story was soon shared across other city departments, reaching the ears of Lou Carta, the OSHA enforcement officer for the City of Middletown.

"I was impressed by the Board of Education results," points out Carta. "Then, when I heard H<sub>2</sub>Orange<sub>2</sub> 117's EPA registration included Hepatitis B, I saw a way to replace bleach, particularly in the Police and Fire Departments. We were using bleach to clean-up incidents that involved blood and the possibility of blood borne pathogens, but it was staining uniforms and fabric."

H<sub>2</sub>Orange<sub>2</sub> 117 is a Multi-Purpose Cleaner-Sanitizer-Virucide-HBV. It not only cleans, but destroys 99.99% of common bacteria, such as salmonella, staph, strep and E-coli. It also kills 99.9% of specified viruses, including Herpes 2, Influenza A2/Japan, HIV-1 and Hepatitis B.

"Another concern I had with bleach was once it was opened, it had a shorter shelf life and lost its potency after opening," points out Carta. "Even closed, bleach has a limited shelf life." H<sub>2</sub>Orange<sub>2</sub> 117 has a shelf life of years in its concentrate form, and months when diluted with water.

### A Bottle in Every Cruiser

An officer never knows when



Officer Adrian Stroud of the City of Middletown Police Department uses H<sub>2</sub>Orange<sub>2</sub> Concentrate 117 to clean up body fluids in the squad car. The City of Middletown uses H<sub>2</sub>Orange 117 city-wide as its primary Multi-Purpose Cleaner-Sanitizer-Virucide-HBV following its success in the city's school district.

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carpets without any concerns of staining, dulling, or scratching.

Because the cleaning formulation is so versatile, the district was able to cut back on the number of cleaning products they were



Steve Amberg (left) of New England Maintenance joins Lou Carta, OSHA enforcement officer with the city of Middletown, and Lou DiMauro, custodial manager for the Middletown Public Schools.

there will be a situation involving body fluids either on patrol, in the holding area, or in a squad car. "H<sub>2</sub>Orange<sub>2</sub> is the only product used throughout the building," says Bill Huff, building superintendent at the Middletown Police Department. "And that includes the jail cells, as well."

According to Huff, each police cruiser in the city of Middletown carries a bottle of H<sub>2</sub>Orange<sub>2</sub> 117 for immediate clean-up of the car, a uniform, or a public location. Since there's no threat of staining or damaging surfaces, officers freely use H<sub>2</sub>Orange<sub>2</sub> 117 on cruiser seats, sideboards, dashboard, uniforms and shoes.

### Citywide Acceptance

Following on the heels of the school district and the Police and Fire departments, other municipal buildings adopted the use of H<sub>2</sub>Orange<sub>2</sub> 117. Today, it's used in all five fire stations, the police department, the municipal building, the library and at park and recreation facilities.

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