

# Sterilex® Ultra-Kleen CW502 Powder Biocide



## Unique Biofilm Control

Sterilex® Ultra Kleen CW502 Powder Biocide has the unique ability to penetrate the protective biofilm matrix, kill resistant microorganisms living in biofilm, and remove the biofilm matrix from a surface, preventing quick re-colonization. Easy to use and handle, CW502 solves the toughest contamination problems. CW502 Powder Biocide is excellent for use in:

- Industrial water systems
- Piping
- Cooling water systems
- Tanks
- Drains
- Any other area where fouling can be an issue

Biofilms are produced by microorganisms and consist of a sticky rigid structure of polysaccharides and other organic contaminants. This slime layer is anchored firmly to a surface and provides a protective environment in which microorganisms grow. Biofilms generally form on any surface that is exposed to non-sterile water or other liquids and is consequently found in many environmental, industrial and medical systems. Studies have shown that it can take over 1,000 times the dose of routine biocides to kill microorganisms in biofilms compared to free-swimming (planktonic) microorganisms.

***Sterilex® Ultra Kleen CW502 Powder Biocide increases productivity and efficiency, prevents costly contamination and ensures that your sanitation needs are met. Sterilex® CW502's multiple mechanisms of action solve even the toughest contamination challenges and do not allow organisms to become resistant to treatment.***

Sterilex® Biocides are EPA approved to "penetrate and remove biofilm" - the natural habitat for resistant microorganisms.

## EPA Registered:

- Penetrate and Remove Biofilm and other organic contaminants
- Kill bacteria
- Control mold and mildew
- Slimecide
- Algicide
- Kill odor causing bacteria

## Multiple Mechanisms of Action:

- Oxidation
- Hydrolysis
- Microbubbling
- Attacks adhesins that glue biofilm
- Collapse polymer structure

# Sterilex® Ultra-Kleen Powder CW502

## Tech Data Sheet

<b>Appearance:</b>	White powder before diluting with water
<b>Density:</b>	1.105-1.120 grams/cc
<b>Solubility:</b>	20% w/v
<b>pH at 3% Solution:</b>	10.5
<b>Chemical Family:</b>	Cationic, Peroxygen
<b>Freeze/Thaw Stability:</b>	Good
<b>Odor:</b>	None
<b>Flash Point:</b>	> 200° C
<b>EPA Reg. #:</b>	63761-2

## Testimonials

"I would like to take a moment to thank you for providing us with a great product. As a processor of fully cooked deli meats, control of Listeria is a major concern. We have used Ultra-Kleen powder in our processing plant. We incorporated daily use of your product into our sanitation program. We have practically eliminated positive Listeria spp. results in our environmental testing program. It's been simple and safe to use and very effective. Dealing with your courteous and helpful sales staff has been a pleasure!"

Ronald Tew  
QA Director  
Deli Brands of America

"In tests of sanitizers - including hot water at 180F, chlorine at 20, 50, and 200 ppm and iodine at 25 ppm - the bacteria on stainless steel chips survived, even after immersion in the sanitizer for five minutes. The only true germicide tested was a compound called "Ultra-Kleen," a hydrogen peroxide based powder which was found to be effective against biofilms at 3 and 6% solutions."

Source: Food Protection Report -  
Environmental News Digest

"Indeed Ultra-Kleen is very effective against a variety of organisms including Legionella, Listeria, Vibrio cholerae, and Salmonella. This is obviously a very useful disinfectant."

Rita R. Colwell, Ph.D., D. Sc.  
University of Maryland

"Ultra-Kleen has saved many of our contract clients and our own Corporation from truly hazardous conditions. Often times our involvement begins after the problems have caused product to be destroyed or even worse, regulatory activity. In each and every case, the approach we recommend has been to incorporate Ultra-Kleen as a routine sanitizing agent in the program. Without fail, your product has quickly eliminated the microbiological problems and brought the safety aspect back into the production focus."

"Ultra-Kleen has made my job much easier. Like I said, by the time we become involved, the problems are out of hand. Quick, reliable solutions are the order of the day. Preventing the reoccurrence of the situation now becomes management's goal. Ultra-Kleen has become the ticket for the food industry to fulfill its responsibilities to food safety."

Clifford Coles, Ph.D.

Available in 10 lb. pails and 100 lb. drums.

For more detailed information and pricing, please call

1-800-511-1659

