IPAC BC Chapter Meeting
June 19 2019

Surface Disinfectants; Myth Busters

Sandra Dunbar
Stephanie Meyer
Our Vision

A world without preventable healthcare-associated infections
Our Positioning

To healthcare professionals dedicated to eliminating healthcare-associated infections, Metrex is the only company that offers a system of solutions designed to address cross contamination across the entire healthcare facility.

Trust the protection of your facility, staff and patients to the company thousands of medical healthcare facilities use every day ... Trust Metrex.
• Founded in 1985, Metrex™ products are specifically designed for healthcare markets such as acute care, primary care, ambulatory surgery centers (ASC), EMS/Fire/Police, extended care, and the public sector

• Focus is on **Infection Prevention**

• Products are available exclusively through distribution

• Made in the USA
Corporate Changes

• Spin Off as of July 1
• Envista
• Investing heavily in R&D
• Committed to launching new products
• Focused on VOC
• Bringing products to market that are relevant to customer needs
Choosing a Surface Disinfecting Product

Cleaning Properties

Broad Spectrum

Quantity ≠ Quality

Contact Time

Compatibility and Aesthetics

Safety
• CaviWipes Highlights

• Low Alcohol + Quat Based disinfecting wipe
• Tuberculocidal, bactericidal, virucidal & fungicidal efficacy
• Excellent cleaner + disinfectant
• High quality, non-linting durable wipes
• Years of proven materials compatibility
• Trusted brand name
CaviWipes
3 minute kill time
- *Mycobacterium tuberculosis* var: bovis (BCG) (TB)
- *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *Salmonella enterica*
- *Klebsiella pneumoniae*
- *Bordetella pertussis*
- *Trichophyton mentagrophytes*
- *Candida albicans*
- Multi-Drug Resistant (MDR) *Acinetobacter baumannii*

- Extended Spectrum β-lactamase *Escherichia coli* (ESBL)
- Methicillin Resistant *Staphylococcus aureus* (MRSA)
- Vancomycin Resistant *Enterococcus faecalis* (VRE)
- *Staphylococcus aureus* with reduced susceptibility to vancomycin
- Hepatitis C Virus (HCV)
- Herpes Simplex Virus Types 1 and 2
- Human Immunodeficiency Virus (HIV-1)
- Human Coronavirus (not associated with Severe Acute Respiratory Syndrome or SARS)
- Influenza A2 Virus
Quick Overview

- The only 1 minute low alcohol + quat based disinfecting wipe on the market
- Tuberculocidal, bactericidal, virucidal & fungicidal efficacy
- Excellent cleaner + disinfectant
- High quality, non-linting durable wipes
- Materials compatible
- Trusted brand name
- 1 step cleaner + disinfectant
CaviWipes 1

1 minute kill time
- *Mycobacterium tuberculosis* var: bovis (BCG) (TB)
- *Staphylococcus aureus*
- *Pseudomonas aeruginosa*
- *Salmonella enterica*
- *Trichophyton mentagrophytes*
- *Candida albicans*
- Multi-Drug Resistant *Acinetobacter baumannii*
- *Klebsiella pneumoniae*
- *Bordetella pertussis*
- ESBL *Escherichia coli*
- Methicillin Resistant *Staphylococcus aureus* (MRSA)
- Methicillin Resistant *Staphylococcus epidermidis* (MRSE)
- Vancomycin Resistant *Enterococcus faecalis* (VRE)
- Vancomycin Intermediate *Staphylococcus aureus* (VISA)
- Hepatitis B Virus (HBV)
- Hepatitis C Virus (HCV)
- Human Immunodeficiency Virus (HIV-1)
- Herpes Simplex Virus Type 1
- Herpes Simplex Virus Type 2
- Coronavirus
- Norovirus
- Influenza A, H3N2 Virus
CaviWipes Bleach

3 minute contact time

- 1: 10 bleach dilution disinfecting wipes
- Sporicidal, tuberculocidal, bactericidal, virucidal, fungicidal efficacy
- Patent pending Enhanced Chlorine Technology™ (ECT)
- All other products with a *C. diff* claim require a precautionary statement
- No PPE required
- Excellent materials compatibility
- Lower odor (based on VOC)
- 1-step cleaner and disinfectant except when precleaning is required for *C. diff*, blood, and body fluid
- Only EPA registered disinfectant wipe with a claim for *Neisseria gonorrhoeae* (listed as one of the CDC’s Urgent Threats)
<table>
<thead>
<tr>
<th>Myths</th>
<th>Truths</th>
</tr>
</thead>
<tbody>
<tr>
<td>CaviWipes are carcinogenic</td>
<td>As stated in the SDS CaviWipes are not Carcinogenic</td>
</tr>
<tr>
<td>CaviWipes are flammable</td>
<td>CaviWipes are not flammable</td>
</tr>
<tr>
<td></td>
<td><a href="https://www.youtube.com/watch?v=X96EhYaGklo">https://www.youtube.com/watch?v=X96EhYaGklo</a></td>
</tr>
<tr>
<td>CaviWipes are toxic</td>
<td>CaviWipes are indicated for use in Neonatal units and NICUs</td>
</tr>
<tr>
<td>CaviWipes are hard on materials</td>
<td>CaviWipes have a proven history of excellent materials compatibility</td>
</tr>
<tr>
<td>CaviWipes can’t be used with other disinfectants like AHP or Bleach</td>
<td>CaviWipes can be used with Bleach or AHP products</td>
</tr>
<tr>
<td>CaviWipes are great for equipment but do not kill bugs on surfaces</td>
<td>CaviWipes are broad spectrum and efficacious on equipment and surfaces</td>
</tr>
<tr>
<td>CaviWipes leave a residue</td>
<td>Most disinfectants including bleach, hydrogen peroxide, quaternary ammonium, phenol and plant-extract based products will create a buildup that will eventually need removal</td>
</tr>
</tbody>
</table>
## Compatibility Study

**Legend:**
- Green represents compatibility with a test surface
- Red indicates a lack of compatibility with the test surface.

<table>
<thead>
<tr>
<th>Test Surface</th>
<th>Compatibility Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GeviClidol Low Alcohol (17.2%)</td>
</tr>
<tr>
<td>Acrylic</td>
<td>Green</td>
</tr>
<tr>
<td>Polystyrene</td>
<td>Green</td>
</tr>
<tr>
<td>PVC</td>
<td>Green</td>
</tr>
<tr>
<td>Neoprene</td>
<td>Red</td>
</tr>
<tr>
<td>Kraton Q</td>
<td>Green</td>
</tr>
<tr>
<td>Silicone</td>
<td>Green</td>
</tr>
<tr>
<td>EPO TEK 350</td>
<td>Green</td>
</tr>
<tr>
<td>Naugahyde</td>
<td>Green</td>
</tr>
<tr>
<td>Formica (white)</td>
<td>Green</td>
</tr>
<tr>
<td>Formica (black)</td>
<td>Green</td>
</tr>
<tr>
<td>Aluminum</td>
<td>Red</td>
</tr>
<tr>
<td>Brass</td>
<td>Green</td>
</tr>
<tr>
<td>Carbon Steel</td>
<td>Red</td>
</tr>
<tr>
<td>Chrome Plated Brass</td>
<td>Red</td>
</tr>
<tr>
<td>Copper</td>
<td>Red</td>
</tr>
<tr>
<td>Nickel Plated Brass</td>
<td>Red</td>
</tr>
<tr>
<td>Stainless Steel</td>
<td>Green</td>
</tr>
<tr>
<td>Glass</td>
<td>Green</td>
</tr>
</tbody>
</table>
For Caviwipes, CaviWipes1, Cavicide and CaviCide1

Changes under Section 11 Chronic Hazard
Now states “None Known”
# Cleaning Procedures for Hazardous Drugs

<table>
<thead>
<tr>
<th>CLEANING STEP</th>
<th>PURPOSE</th>
<th>EXAMPLE AGENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deactivation</td>
<td>Render compound inert or inactive</td>
<td>As listed in the HD labeling or other agents which may incorporate Environmental Protection Agency (EPA) registered oxidizers (e.g., peroxide formulations, sodium hypochlorite etc.)</td>
</tr>
<tr>
<td>Decontamination</td>
<td>Remove HD residue</td>
<td>Materials that have been validated to be effective for HD decontamination, or through the use of other materials proven to be effective through testing, which may include alcohol, water, peroxide, or sodium hypochlorite</td>
</tr>
<tr>
<td>Cleaning</td>
<td>Remove organic and inorganic materials</td>
<td>Germicidal detergent</td>
</tr>
<tr>
<td>Disinfection (for sterile manipulations)</td>
<td>Destroy microorganisms</td>
<td>EPA-registered disinfectant and/or sterile alcohol as appropriate for use</td>
</tr>
</tbody>
</table>

* CW / CW1

* CaviWipes Bleach
Questions???