



# Adapt ASB™

Long Lasting Antimicrobial – Food Contact Surface Safe



**DevMar**<sup>®</sup>  
Products, LLC

Your Source for a Safer, Healthier Environment<sup>®</sup>

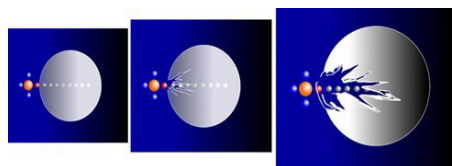
## Product Info



**Adapt™ ASB** is an \*EPA / FDA approved product that has long-lasting coating

technology that protects surfaces in-between disinfecting from mold, mildew, and microorganisms. The invisible coating reduces corporate liability, makes future cleaning easier, plus eliminates odor-causing bacteria, mold, and mildew found on hard and soft surfaces. The antimicrobial coating last on surfaces for up to 90 days.

**Adapt™ ASB** long lasting antimicrobial technology relies on microbial carbon spikes that make a covalent bond to the surface. The microbial spikes have a molecular structure that has electrically charged particles. When microorganisms, bacteria, mold, or mildew cells land on the protected surface, they are physically drawn down into the microbial spikes which puncture the cell wall (see illustration below) and render the microorganism inactive. **Adapt™ ASB** antimicrobial “bed of nails” uniquely makes a covalent bond to surfaces and not to itself. The beauty of this technology is that it controls microorganisms without chemical poisons using a physical kill.



**Adapt™ ASB** is a non-toxic antimicrobial coating which lasts 30 to 90 days with FDA approval for application onto food contact surfaces and tubing.

**Adapt™ ASB** is not a replacement for existing disinfecting protocols but serves as a second level of defense against microbes, odors, mold, and mildew. Our unique coating technology renders microorganisms inactive without poison and will not leach off treated surfaces or create superbugs. This coating technology continues to protect the surfaces 24/7 while cleaners and disinfectants only work while the surface is wet.

The invisible coating reduces corporate liability, makes future cleanings easier, plus eliminates odor-causing bacteria, mold, and mildew found in carpets, trash cans, bathrooms, showers, and fabrics. Because the coating last on the surface for 30 to 90 days, this technology helps reduce the frequency of having to do “deep cleaning”.

## Application surfaces

- **Hard Surfaces:** touch points (buttons & handles) – tiles (shower & restrooms) – countertops & tables – keyboards & phones – desks – floors/walls/ceilings/roofing – fuel pumps & nozzles – signage – concrete & stucco – metals (stainless appliances & iron fittings) – trash receptacles – stone & grout – gym equipment – cages – book covers – menus – children’s toys – pet toys – wood (sealed or unsealed) – decks
- **Soft Surfaces:** bedding (blankets & sheets) – mattresses – curtains – upholstery (chairs & sofas) – leather (all) – shoes & socks - underwear – clothing (shirts & pants) - uniforms – Kevlar – tents – ropes – awnings – hospital scrubs (booties & jackets) – towels – cloth diapers - bibs – wiping rags – floor mats – cloth toys (children’s and pet) – wood shavings for animal bedding – synthetic fabrics – hampers - carpets – turf – air filters
- **Food Contact Surfaces:** cutting boards – knives and commercial cutting blades – food prep tables – ice machines (bucket & grate) – canteen - mixing bowls – food storage containers (flour & sugar) – utensils – food serving trays - water drinking fountains – animal feeding and drinking bowls (troughs) – baby highchair tray – baby pacifier – food conveyers – tubing or piping (water/soft drinks/milk) - activated carbon – packaging – industrial food and meat processing touch points

## Benefits

- Can be applied to any hard, non-porous surface, any textile, upholstery, or soft-

<b>Appearance:</b> Clear liquid
<b>Fragrance:</b> No fragrance
<b>pH:</b> 7.0-8.0
<b>Flash Point:</b> Same as Water
<b>Storage:</b> Between 40° F and 110° F
<b>Compliance:</b> Zero VOC’s Non-pollutant for air, water, soil

- porous goods
- Non-leaching and safe on *food contact surfaces*
- EPA-registered antimicrobial provides protection for 30 – 90 days
- Reduce future cleaning time and the frequency of deep cleaning
- Offers new technology that accelerates performance and reduces liability
- Spray and walk application

## Features

### Confirmed Testing for Adapt™ ASB

- **EPA registered product number 83019-2-95662:**
  - Approved for food contact use
  - Used in water-based surface treatments and coatings
  - Micro-biostatic agent that protects articles from deterioration and discoloration
  - Leach resistant
  - Active against forms of fungi, algae, and bacteria
  - High antimicrobial performance in ISO and ASTM testing
  - Does not promote the development of resistant microorganisms
- **ISO 22196:2007:** Antimicrobial Effectiveness
- **ASTM E-2149-10:** Safety Studies
- **USP Class VI ISO 10993-1:** EPA Acute Toxicity Package

## Use Instructions

Always refer to SDS and product label prior to use. Do not use with or combine with anionic detergents.

**Adapt™ ASB** is delivered ready-to-use at 0.75% active (recommended) but may be diluted with water as low as 0.10% active for economy (example: monthly floor mopping).

### Direction / Tips:

- Best if the surface is cleaned before applying.
- **ADAPT™ ASB** may be applied with an ordinary spray apparatus or fine mist spray gun. Simply spray and go.
- Do not allow to puddle.
- If using a cloth to apply be sure to use a buffing motion to work in the product (rather than remove).
- Application will not change the appearance of the treated article. Wipe glass as a rule.

**Note:** \* **Adapt™ ASB** Antimicrobial Surface Barrier EPA #83019-2-95662

### Warning

As with all cleaning and sealing products, use protective wear (gloves and goggles to avoid skin and eye contact).