



THE SEVEN (7) FACTS OF SURFACE HYGIENE

The research & development of the multi-functional surface care technologies detailed in U.S. Patents 6,994,890 and 7,704,313 (and their international counterpart patents) was based on these seven (7) irrefutable facts of surface hygiene:

1. No matter how much we clean, sanitize or disinfect surfaces, we cannot prevent their re-soiling or re-contamination. Daily dirt, grime and germ-containing organic soil just keep coming back.
2. Even hard surfaces are like sponges; they have microscopic pores that trap water, organic & inorganic soil that combine to build up and form biofilms.
3. Pathogenic surface-contact bacteria, virus and fungi are invariably deposited in conjunction with some form of everyday organic or inorganic soil (including fingerprints, foods, body fluids, body wastes, coughing and sneezing).
4. The many thousands of germ species are absolutely invisible to the naked eye. Thus, without swab-testing, culturing and microscopically analyzing the extract, no surface-contact bacteria, virus or fungi can be identified for removal.
5. Germs are easily and quickly spread to other surfaces and to other people by hand-to-hand, hand-to-surface, surface-to-hand and hand-to-body orifice contact in a non-ending cycle of cross-contamination.
6. Conventional sanitizers and disinfectants all require some form of pre-cleaning of the surface, followed by misting/wetting/flooding of the surface for germ-dependent time periods ranging from 30 seconds to 30 minutes. Surfaces should then be washed or rinsed to remove the biocidal residues that, otherwise, can actually attract soil, promote buildup and the formation of biofilms.
7. Since it is impossible to “flood” the multitude of vertical or rounded surfaces (walls, door knobs, railings, keyboards, chair arms, faucets, IV poles and other equipment) that are normally amongst the most-touched and the most contaminated of all surfaces – they are not being disinfected by conventional products!

Having identified the problems, what are the solutions? Improved surface hygiene; with easy-to-use, multifunctional institutional-use Sani-Shield® and Sani-Scrub® surface care products that clean, shield & protect surfaces in 1-step!

How do they perform? They (a) “bio-mechanically” oxidize or abrasively clean organic and inorganic surface soil (and whatever germs are contained) and (b) simultaneously shield the now-cleaned surface with invisible water, soil & stain repellent barrier coatings that reduce the penetration, adhesion & buildup of re-soiling for easier next-time cleaning and prevent the growth of re-deposited bacteria, virus & fungi in-between cleaning. As fully disclosed in their Material Safety Data Sheets, Unelko warrants these products to be safe for users, non-hazardous to the environment and efficacious when used as directed.