

Tristel Duo for Surfaces

The company Tristel Solutions Limited has requested an evaluation of the product Tristel Duo for Surfaces by National Center for Infection Control (CEI).

Tristel Duo for Surfaces is intended for surface disinfection of small, visibly clean and dry surfaces including non-critical medical equipment, inventory and contact points. Tristel Duo for Surfaces should be categorized as a high-level disinfection product.

Tristel Duo for Surfaces consists of a foam pump which incorporates two separate compartments that contains the Tristel Base and Activator solutions. When mixed by depressing the foam pump, the active ingredient chlorine dioxide (ClO₂) is generated in a concentration of 200-600 ppm.

Documentation for antimicrobial efficacy

It is documented that Tristel Duo for Surfaces has sufficient antimicrobial efficacy under clean conditions on:

- Vegetative bacteria with a contact time of 30 seconds (EN 13727 and EN 14561) and 1 minute (EN 16615).
- Yeast and fungi with a contact time of 30 seconds (EN 13624 and EN 14562) and 1 minute (EN 16615).
- Virus with a contact time of of 30 seconds (EN 14476).
- Tubercle bacteria and mycobacteria with a contact time of 30 seconds (EN 14348 and EN 14563).
- Spores with a contact time of 30 seconds (EN 13704 and EN 14347).

Conclusion

CEI finds Tristel Duo for Surfaces suitable for surface disinfection of small, visibly clean and dry surfaces on non-critical medical equipment, inventory and contact points in Danish health care where the recommendation is the use of a disinfection product in the high-level disinfection category.

NOTES

CEI has not evaluated any potential cleaning efficacy of the product.

CEI recommends cleaning and disinfection performed as two separate procedures, as this is more efficient in removing and killing microorganisms than cleaning alone, disinfection alone or combined cleaning and disinfection in a single procedure.

As the active substance chlordioxid (ClO₂) is a new substance for surface disinfection in Danish health care, CEI recommends that local recommendations in regard to work environment and patient safety should be followed.

This also applies for other chlorine based disinfection products.