



### LifeClean Disinfectant

The company LifeClean International AB has requested an evaluation of the product LifeClean Disinfectant by National Center for Infection Control (CEI).

LifeClean Disinfectant is intended for surface disinfection of visibly clean and dry surfaces on floors and walls, non-critical equipment, inventory and contact points. LifeClean Disinfectant should be categorized as a high-level disinfection product.

LifeClean Disinfectant is manufactured in a liquid form, which containing the active substance: Chlordioxid ( $\text{ClO}_2$ ) in a concentration of 400-200 ppm (the expected range in concentration for the durability of the product and/or shelf life). The product also contain detergents (amphoteric tensides).

### Conclusion

There is evidence that LifeClean Disinfectant has sufficient antimicrobial efficacy under clean conditions on:

- Vegetative bacteria with a contact time of 1 minute.
- Yeast and fungi with a contact time of 3 minutes.
- Virus with a contact time of 1 minute.
- Tubercle bacteria and mycobacteria with a contact time of 1 minute.
- Spores with a contact time of 5 minutes.

**CEI finds LifeClean Disinfectant suitable for surface disinfection of visibly clean and dry surfaces on floors and walls, non-critical equipment, furniture and contact points in Danish health care where the recommendation is the use of a disinfection product in the high-level disinfection category.**

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 cleaning and disinfection in a single procedure.

As the active substance chlordioxid ( $\text{ClO}_2$ ) 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.