



Disinfection for Universal Health





What is NaDCC?

It is a fast acting, powerful biocide that dissolves in water to release hypochlorous acid (HOCl)
HOCl is the biocidal agent responsible for killing microorganisms. NaDCC tablets are 100% biodegradable
NaDCC is not a hypochlorite

Superior Chlorine Donor

NaDCC has unique properties that make it distinctly more effective than hypochlorites.
It is close to pH neutral and has extended residual killing power due to its unique 50/50 chemical equilibrium effect (50% of the "total available chlorine exists as "free" available chlorine, the remainder is bound NaDCC)
Other hypochlorites exist mostly as free chlorine, in comparison NaDCC possesses a reserve killing power which gives: •**Superior biocidal performance** •**Protection from organic matter**

Benefits of NaDCC

- Kills *C.diff* spores in 4 minutes, even in dirty conditions
- Tested to ANSI A326.3 standards
- Kills bacteria, mycobacteria, fungi, spores and viruses.
- Dilution stable for 7 days in a closed container

Klorkleen our powerful broad-spectrum cleaner & surface disinfectant tablets, based on **NaDCC** with registered claims as a hospital grade disinfectant, are specifically formulated to provide a safe, cleaning and disinfection solution in one step.

Klorkleen meets surface disinfection EN14476:2013+A1:2015 requirements to be fully effective against **SAR-CoV-2**.
In accordance with EN14476:2013+A1:2015, Annex A, Klorkleen has virucidal activity when used as a surface disinfectant.
It is therefore effective against Coronavirus when used under clean conditions at a concentration of 500 ppm available chlorine.

Klorkleen 2: Our US formulation is listed on the US EPA List N: Disinfectants for Use Against SARS-CoV-virus that causes COVID-19

The Safer Simpler Sustainable Solution

Our NaDCC effervescent tablets with combined cleaning and disinfection can be used with:

Spray bottles Dry wipes Mops Microfiber cloths flip top bottles

Clean Conditions - Disinfection Only

Apply Klorkleen solution to surface with mop, cloth, sponge, brush, wipe, foaming equipment or coarse trigger sprayer

Prepare a fresh solution daily when using open containers or if solution becomes diluted / contaminated.

Prepare a fresh solution every 7 days when using closed containers (spray bottles)

| Application | Dilution | Effective against: (@20°C) | Contant Time |
|---|-------------------------------|----------------------------|--------------|
| General disinfection for cleaned surfaces in • Hospitals • Healthcare facilities • Food & Feed Industries | 100 ppm 1 tablet in 10L | Yeast | 5 minutes |
| | 500 ppm 1 tablet in 2L | Viruses | 5 minutes |
| | 1000 ppm 1 tablet in 1L | Bacteria, Yeast, Viruses | 5 minutes |
| | | Mycobacteria | 15 minutes |
| | 4000 ppm 1 tablet in 0.25L | Bacteria, Yeast, Viruses | 5 minutes |
| | | Mycobacteria, Fungi | 15 minutes |
| | 5000 ppm 1 tablet in 0.2L | Bacteria, Yeast, Viruses | 5 minutes |
| | | Spores | 10 minutes |
| | | Mycobacteria, Fungi | 15 minutes |

Mechanical spray devices containing spray particle size >40 microns may be safely used with Klorkleen.

Disinfectant must be sprayed directly onto surfaces

As always tablets should be used in accordance with all safety instructions i.e. labelling, SDS's etc

When using machine sprayers, we recommend full PPE is worn as an abundance of caution, and other than the person physically spraying, ensure the area is fully vacated while spraying is in progress.



In critical care areas, first clean with Klorkleen - then disinfect with Klorkleen

- Allow surface to remain wet for appropriate contact time.
- Wipe with a brush, sponge or cloth and allow to air dry.
- Prepare a fresh solution every 3 days when using closed containers (spray bottles).
- Prepare a fresh solution daily when using open containers (buckets) or if solution becomes diluted/contaminated.

| Application | Dilution (ppm active chlorine) | Effective against: (@20°C) | Contact Time |
|--|-----------------------------------|-------------------------------------|--------------|
| Cleaning and disinfection for food and feed industries | 2000 ppm 1 tablet in 0.5L | Bacteria, Yeast | 5 minutes |
| | | Viruses | 15 minutes |
| | 5000 ppm 1 tablet in 0.2L | Bacteria, Yeast | 5 minutes |
| | | Viruses | 15 minutes |
| Cleaning and disinfection for medical areas (hospitals, healthcare facilities) Surfaces e.g., walls, floors, trolleys Critical care areas such as operating theatres, post-mortem rooms | 1000 ppm 1 tablets in 1L | Bacteria | 5 minutes |
| | 2000 ppm 1 tablet in 0.5L | Bacteria, Yeast | 5 minutes |
| | | Viruses | 15 minutes |
| | 5000 ppm 1 tablet in 0.2L | Bacteria, Yeast | 5 minutes |
| Mycobacteria, Viruses, <i>C.Difficile</i> | | 15 minutes | |
| Surfaces with blood or other bodily fluid spillages | 10000 ppm 1 tablet in 0.1L | Bacteria, Yeast, <i>C.Difficile</i> | 5 minutes |
| | | Mycobacteria, Viruses, Fungi | 15 minutes |

Apply Klorkleen solution directly to surface with: mop, cloth, sponge, brush, wipe, foaming equipment or coarse trigger sprayer.



The above are guidelines only, ensure to read full instructions for use on tub label

STORAGE: Klorkleen has a shelf life of 3 years in the original closed container. Store in a cool, dry and ventilated place. Close tablet box tightly after each use.



Clonard Road, Wexford, Ireland
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The Simpler Safer Sustainable Solution

WHY NaDCC?



STRONGER

High level broad spectrum disinfectant.
Significant advantages over Bleach,
Quats, PAA, H2O2



SAFER

- Less corrosive in solution
- Similar pH to skin – will not burn
- Will not harm floor finishes
- More hospitals are using NaDCC

SUSTAINABLE

- 100% biodegradable
- Small tablet size
- Saves on Shipping, Handling, Waste Minimization
- Reduced warehouse space compared to liquid disinfectants

SIMPLER

- Exact dosage every time
- Eliminates “measure and pour” guesswork
- No dispensing equipment required
- Less odor - better working environment

For more information please contact:

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