



3,4 gram x 200 tablet Effervescent Chlorine Tablets

Klortab NaDCC 3,4gram disinfectant tablets have 1,7 gram NaDCC and 1.0 gram free available chlorine.

It has the excellent results against the Bacteria, Viruses, Mycobacterium, Fungus and Spores.

Commercial presentation : 200 tablets/tub

Klortab NaDCC products expose the acidic solutions with more than undissolved HOCl of 90%. How does chlorine carry out its well-known role of making water safe? Upon adding chlorine to water, two chemical species, known together as free chlorine, are formed. These species, hypochlorous acid (HOCl, electrically neutral) and hypochlorite ion (OCl⁻, electrically negative), behave very differently. Hypochlorous acid is not only more reactive than the hypochlorite ion, but is also a stronger disinfectant and oxidant.

HOCl is a biocidal agent in the chlorine products, which kills microorganisms. HOCl dissociates to hydrogen ions and hypochlorite ions in alkali conditions. Undissociated HOCl is 100 times stronger than the dissociated compounds. Dissolution in water produces a series of complex equilibria among a variety of chlorinated and non-chlorinated isocyanurates and free available chlorine (FAC) in the form of hypochlorous acid (HOCl).

Sodium dichloroisocyanurate tablets are stable, and for two reasons, the microbicidal activity of solutions prepared from sodium dichloroisocyanurate tablets might be greater than that of sodium hypochlorite solutions containing the same total available chlorine. First, with sodium dichloroisocyanurate, only 50% of the total available chlorine is free (HOCl and OCl⁻), whereas the remainder is combined (monochloroisocyanurate or dichloroisocyanurate), and as free available chlorine is used up, the latter is released to restore the equilibrium. Second, solutions of sodium dichloroisocyanurate are acidic, whereas sodium hypochlorite solutions are alkaline, and the more microbicidal type of chlorine (HOCl) is believed to predominate.

Chemical and Physical data:

Appearance (atmospheric temperature) Solid tablet

Color: White / pale white

Odor: Slight chlorine odor

Odor threshold No data

pH 5 – 7

Packaging Information

6 tubs in carton

Scientific Reports:

TS EN 14476: Viral Activity Determination – Poliovirus Type 1, Chat strain – The results of the test show that Klortab NaDCC possesses 99,99% antiviral activity against Poliovirus Type 1 at room temperature (20°C) for 5 and 60 minutes contact time when used 5.000ppm concentration. (Yeditepe University – Istanbul)

TS EN 14476: Viral Activity Determination – Human Adenovirus Type 5, Adenoid 75 strain - The results of the test show that Klortab NaDCC possesses 99,99% antiviral activity against Human Adenovirus Type 5 at room temperature (20°C) for 5 and 60 minutes contact time when used 5.000ppm concentration. (Yeditepe University – Istanbul)

TS EN 14348: Biological Activity

- Mycobacterium terrae ATCC 15755 (1.000ppm – 99,99%) (Yeditepe University – Istanbul)

EN 1276, EN 1650 – Biological Activity

- Escherichia coli ATCC 10536 (200ppm – 99,999%),
- Staphylococcus aureus ATCC 6538 (200ppm – 99,999%),
- Pseudomonas aeruginosa ATCC 15442 (200ppm – 99,999%),
- Enterococcus hirae ATCC 10541 (200ppm – 99,999%),
- Trycophyton mentagrophytes ATCC 9533 (200ppm – 99,99%),
- Candida albicans ATCC 10231 (200ppm – 99,99%),
- Aspergillus niger ATCC 16404 (200ppm – 99,99%) (Yeditepe University – Istanbul)

Hazard pictograms and Phrases / sentences:

The Regulation on Safety Data Sheets for Hazardous Substances and Mixtures (Official Gazette dated 13.12.2014 and numbered 29204) has been prepared in accordance with the Regulation on Classification, Labeling and Packaging of Mixtures of Substances numbered 28848 and dated 11 December 2013 and in accordance with EU No 1272/2008.



GHS – 09 Dangerous for Environment



GHS – 07 Harmful (Xn)
Irritant (Xi)

Klortab NaDCC (3,4gr x 200 tablets)

Using Areas and Application

Recommended Klortab Strength	Water (litre)	Tablet Quantity (piece)	Disinfection Area	Application
10.000ppm	1	10	Body Fluid Spills and Blood and Serum Waste – against HIV (AIDS) and HBV (Hepatitis B Virus)- in 10% plasma, within 1 minute ultimate result.	Spills and Waste should be washed by the solution. Glove using.
5.000ppm	1	5	Disinfection of the areas which contaminated of body fluid spills may have HIV (AIDS) and HBV (Hepatitis B Virus) include operation rooms, morgue and autopsy rooms, laboratories. Stainless Steel Surgical Tools, urinal, bed pans, plastic materials, anesthesia items, in 10% plasma, within 2 minute ultimate result.	The surfaces washed by the Klortab solution. The stainless steel material will not be left in the solution more than 30 minutes. It is not recommended to use with covered metals. Use gloves. If necessary an anionic detergent can be added to the solution and at the same time cleaning and disinfection can be achieved.
1.000ppm	1	1	Operating rooms, morgue and autopsy rooms, Corridors, Burning Units, Intensive Care Units, Clinic and Pathology Laboratories	The surfaces washed by the Klortab solution. The clean materials left in the solution for 30 minutes. If necessary an anionic detergent can be added to the solution and at the same time cleaning and disinfection can be achieved.
200ppm	5	1	Kitchen surfaces, food stores, food preparation benches, wash basin, bath tubes, examination rooms, sterile services, corridors, waiting rooms, patient relationship desks, patient contact departments, around of hydrotherapy pools, toilets, stretchers...	The surfaces washed by the Klortab solution. The clean materials left in the solution for 30 minutes. If necessary an anionic detergent can be added to the solution and at the same time cleaning and disinfection can be achieved.
140ppm	3,5	1	Baby feeding bottles, pacifiers, feeding bottles covers, other feeding materials and toys, dirty and infected cloths, aprons, sheets etc cleaning cloths, mats, cloths using in the kitchen.	After cleaned the milk residues, the materials will leave for 30 minutes in the solution.

WARNING: THE DIRTY SOLUTIONS CAN BE Poured TO THE TOILETS FOR SEND AWAY THE INSECTS. KLORTAB NADCC DISINFECTING TABLETS KEEP THEIR ACTIVITY FOR 24 HOURS. THE TABLET SOLUTIONS OF KNOWN, ACCURATE STRENGTHS EFFECTIVE AGAINST TO BACTERIA, FUNGI, MYCOBACTERIA, SPORES AND VIRUSES (INCL. HIV) WITHIN 2 MINUTES AT 5.000PPM AND 1 MINUTE AT 10.000PPM

ALWAYS:

- Wear gloves,
- Use Clean and dry containers for the Klortab NaDCC Solutions
- Take care to measure out the Klortab NaDCC correctly.
- Make a fresh solution
- Wash away dirt (where appropriate) before disinfecting.
- Throw away solution at end of day or after use
- Ensure that tablets are completely dissolved before closing a container lid.
- In case of Poisoning Event, call free the phone of Poison Information Center at 114

AVOID:

- * Use with animal fibres such as silk or wool.
- * Prolonged immersion with stainless steel items.
- * Mixing acids and strong reducing agents.

Precautions: Store in cool and dry place. Do not swallow. Keep out of reach of the children. In case of contact with eyes, wash with abundant water and consult a doctor.

The recommended lifetime of the Klortab NaDCC solutions (When a visual pollution occurs, regardless of the solution should be changed immediately)

**1 – 1.000ppm = 1 day
1.000 – 2.500ppm = 2 days,
2.500 – 10.000ppm = 7 days**

AUTHORIZED DISTRIBUTOR ADA AQUA CHEMICAL INDUSTRY AND TRADE INC.

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