

## MAIN ASSUMPTION FOR SARS-COV-2 INFECTION (COVID-19).

- The source of infection is the inhaled air contaminated by the breath of the virus vectors and the surfaces to which the virus falls from the exhaled air of the vectors or their droplet secretions when sneezing or coughing.
- Recent studies show that the coronavirus can remain in the air for up to 3 hours and on plastic for several days.
- Chlorine dioxide is effective on the surface in a concentration of 200 ppm and in the air in a concentration of 0.1 ppm to 0.001 ppm  $\text{ClO}_2$  and in these concentrations it is not harmful to humans.
- According to European recommendations, formulated on the basis of the list of the Chinese Pharmaceutical Association and the opinion of the International Pharmaceutical Federation (FIP), chlorine dioxide is on the list of virucidal substances, effective against COVID-19, on surfaces and in aerosol/air.

### Effective prevention through surface and air disinfection: THREE LEVELS OF EFFECTIVE VIRAL DISINFECTION

#### 1. AIR WASHING and SAMOTIVE AIR DISINFECTION.

Routine procedure in public facilities. Wetting the surface every 60 minutes.

 <p>1.1 Preparation of the ARMEX 5 / MEXACID MD washer-disinfectant solution.</p>	 <p>1.2 Washing with disinfectant of floor and furniture surfaces prepared with the solution, safe in the presence of people.</p>	 <p>1.3 Automatic air disinfection, by desorption of gaseous <math>\text{ClO}_2</math> from the surface, safe for human presence.</p>
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#### 2. SURFACE AND AIR DISINFECTION BY SPRAYING.

Larger storage facilities, large floor and wall areas, cars, etc. Disinfection after work, without human presence.

##### 2.1 Preparation of ARMEX 5 / MEXACID D disinfectant solution.

##### 2.2. Spraying the surface with a backpack washer or fogging rooms with fogging device or ultrasonic humidifier.



#### 3. DISINFECTION OF THE AIR AND SURFACE WITH GASEOUS CHLORINE DIOXIDE.

Strong disinfection of isolated commercial or production premises with an increased risk of infection, without the presence of humans.

##### 3.1 Preparation of ARMEX 5 / MEXACID D disinfectant solution.

##### 3.2 Introducing the solution into the $\text{ClO}_2$ gas generator, type MEX-5.

##### 3.3 Gasification of an institutional room with 300 - 500 ppm $\text{ClO}_2$ and an industrial premises with a concentration of up to 1000 ppm $\text{ClO}_2$ , with time exposure of up to 3 hours and airing of 30 minutes.



**Product Certification: Virological certificate PIWet No. P/18/121/22; Minister of Health authorisation ARMEX 5 No. 2435/05, ARMEX No. 2000 No. 2743/05; PZH certificate No. BK/W/0156/01**

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