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AIR DISINFECTION BY ROOM HUMIDIFIER ARMEX 5 / MEXACID A

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/0156/01/218.

General information:

Assuming that most virus infections are airborne and the virus remains in the aerosol for 3 minutes up to 3 hours before it falls to the surface, ongoing air disinfection is essential, especially in public facilities. Known methods of air disinfection practically eliminate the presence of human beings in the field of their influence. The only known chemical whose virucidal effectiveness in the air has been confirmed in concentrations below WEL, i.e. in concentrations safe for humans is chlorine dioxide (ClO₂).

MEXEO has developed a preparation and a method of its application enabling virucidal disinfection of air in rooms where people live, using commonly available room humidifiers. The developed method creates the possibility of continuous air disinfection in small rooms exposed to the presence of many people.

Use:

Local air disinfection in the presence of people

The operation consists in filling the humidifier chamber with 5 litres of water and then introducing 25 ml of ARMEX 5 (one dose from the applicator) and 25 ml of MEXACID A activator.

Place the humidifier in the vicinity of the location of the greatest movement of people from outside.

The intensity of the jet should be low in order to maintain comfortable humidity with continuous operation of the humidifier.

Use the disinfectant working solution within 24 hours or replace it.

In the case of a different filling volume of the humidifier chamber, the dose should be adjusted proportionally



Intensive air disinfection without human presence.

To disinfect the air in rooms with increased risk of infection, apply ad hoc disinfection without the presence of people, using an increased dose of 50 ml of ARMEX 5 (two doses from the applicator) and 50 ml of MEXACID A activator, per 5 litres of water.

Proceed as described above, however, introducing the maximum possible flow of fog into the air, without the presence of persons, raising the maximum relative humidity to above 90%. The power of the humidifier should be adjusted to the size of the room, according to the device's instructions.

- Disinfect for 3 hours and ventilate the room. It is possible to enter the room without a mask, e.g. to open windows to ventilate after disinfection.
- After disinfecting the air, wipe accessible surfaces (flooring, furniture) with a mop or cloth using the ARMEX 5 / MEXACID A working solution as used for intensive disinfection (50 g. per 5 litres of water).
- The described intensive disinfection procedure carried out periodically does not threaten the function of electronic devices resistant to increased air humidity. If possible, darken the room.
- It is recommended to use humidifiers with a non-transparent chamber, preferably black to reduce the degradation of ClO₂ by ultraviolet light (daylight component).
- NOTE: A solution of chlorine dioxide is highly oxidising and can reduce the lifetime of the humidifier.

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