

# OCTOCHOC®

Disinfection and deodorization of rooms & airspaces through nebulization (fogging).



## ACTIVATION PROCESS

In order to produce a pure OCTOCHOC® chlorine dioxide solution safely, please follow the following steps:

1. Dissolve OCTOCHOC® solid component 2 in water by filling the supplied container.
2. Add this solution to the OCTOCHOC® liquid component 1.
3. (In case of small containers (e.g. 1 L) dissolve the tablet (component 2), stored in the headspace of the bottle, by transferring it into the bottle with the OCTOCHOC® liquid component 1. After closing the bottle shake for 30 seconds to dissolve the tablet.)
4. Store the sealed bottle for 24 h at 30 °C. (**three days** at a temperature of **19 °C**).
5. After activation store in a cool, frost-free dark place for not more than 6 weeks.
6. The activated solution shows a yellow coloring.

## USE AND DOSAGE

The chlorine dioxide solution can be filled directly into the canister and poor into the reservoir of OCTOPUS BIOSAFETY or OCTOPUS POULTRY SAFE robots.

Dosage:

- Nebulize 10 ml of the activated solution per cubic meter airspace at 20 °C;
- The Disinfection is completed after an exposure time of 45 minutes (including contact time and aeration time);
- The spray is automatically managed by the robot.

Leave the room during the nebulization or wear suitable protection clothes and inhalation protection (DIN EN 141).

Only use chlorine dioxide stable materials (rubber and brass are not suitable).

## EFFECTIVENESS

OCTOCHOC® is an oxidative and a strong bactericidal, sporicidal, algicide and viricide disinfectant. Because of its non-specific mode of action, germs cannot adapt and build a resistance to it.

**Use biocides with care. Always read label and product information before use.**



# OCTOCHOC®

Disinfection and deodorization of rooms & airspaces through nebulization (fogging).



## Technical Sheet OCTOCHOC® 1500 ppm

Disinfection & deodorization of rooms & airspaces through nebulization  
(fogging)

OCTOCHOC® is an aqueous chlorine dioxide solution, which is generated by simple mixing of two components, the OCTOCHOC® liquid component 1 and the OCTOCHOC® solid component 2.

With this patented process it is possible to produce at site a pure, metal free chlorine dioxide solution in the supplied canister.

### MATERIAL PROPERTIES

#### OCTOCHOC® liquid component 1

- 0.15 % aqueous alkaline sodium chlorite solution
- melting point 0 °C
- boiling point 100 °C
- density 1.0005 g / mL
- water hazard class 1
- not hazardous under transport regulations
- no hazard warning-labelling needed
- store frost free
- shelf life 5 years

#### OCTOCHOC® solid component 2

- salt mixture with >50 % sodium peroxodisulphate
- strong oxidizing agent
- development of oxygen at > 200°C
- acidic aqueous solution
- water hazard class 1
- sensitizing effect at skin contact
- Do not store together with combustible materials.
- shelf life 5 years

#### OCTOCHOC® chlorine dioxide solution 0.15%

- contains 1.5 g /L +/- 0.04 g /L chlorine dioxide.
- boiling point 100 °C
- density 1.0005 g / mL
- water hazard class 2
- no hazard warning-labelling needed
- store frost-free
- After production the concentration of the product decrease by reaction and diffusion.
- usable for 6 weeks at room temperatures (25 °C)

The degradation rate of the activated solution depends on ambient temperature, exposure to light (UV), material and sealing of the container.