



Applicator Training for Electro-Biocide

Read and follow all label directions for intended use.

Below are the requirements to be qualified as a trained applicator for Electro-Biocide.

- Handlers applying chlorine dioxide in an OCCUPATIONAL setting must wear gloves.
- Facemasks may be used as a precautionary safety measure while applying.
- All hard, non-porous surfaces with excessive soiling should be pre-cleaned with Electro-Biocide or detergent prior to disinfection.
- Spray from 4-6 inches on all pre-cleaned hard, non-porous surfaces until surface is thoroughly wet.
- Allow surfaces to dry for 10 minutes.

Manually operated sprayers (hand pumps, hand cans, and backpacks)

- Designed for spot treatment and for spraying smaller areas.
- Application accuracy with backpack and hand can sprayers is affected by travel speed, nozzle type, and spray pressure.
 - Maintaining a uniform walking speed
 - With manual sprayers, the travel speed will likely vary depending on the walking pace and the physical stamina of the person doing the spraying, and the topography of the area where the spraying is done (slopes, surface conditions, etc.).
 - Maintaining a uniform spraying
 - If the sprayer is not re-pressurized through intermittent strokes of the pump, the pressure will drop, lowering the application rate.
 - Conversely, if the pump is pressurized excessively, the application rate will be increased while creating smaller drift-prone droplets. This will result in waste of solution.
 - Maintaining the optimum spraying distance between the nozzle and the target area.
 - It is important to keep the nozzle height consistent for uniform coverage of targeted area.

Electrostatic Spraying Devices

- Spray Technique

- As in spray painting, the goal is to achieve even coverage over the surface.
- The spray gun is designed to help you propel the solution spray with a gentle air flow, as you can stay well away from the target surface and let the electrostatic attraction do the rest of the work.
- The spray droplets are about 40 microns each. If you are used to working with a conventional sprayer, you may make the mistake of thinking the target is not wet enough because you do not see large beads of liquid. In fact, after a pass with the spray gun, the surface of the target should just barely glisten with moisture. The fine droplets will evaporate quickly.

Transferring Electro-Biocide from Container to Container

- If moving the solution from one container to another is needed and vapor concerns exist (not harmful, but an individual may see it irritating), a fan should be put in place to redirect the vapor away from the person transferring the solution.
- Where possible, attach a secondary hose to the outlet of bulk barrels and totes to minimize exposure to vapor.
 - Loosen the top secondary lid or plug to allow for a smooth pour from the primary outlet.
- After transfer is complete, wipe up any spillage from the area.

*Electro-Biocide's concentration is 200 ppm and is proven through EPA toxicity category 4 that inhalation of Electro-Biocide is not harmful. Other Legacy Chlorine Dioxide concentrations exceed 2000 ppm, therefore off gassing inhalation is harmful to humans.



Darin Jensen
Vice President, Quality, Food Safety, and Regulatory
PHM Brands, LLC

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