HOW TO USE

The *Activate 5000 Bleach Dilution System has been engineered specifically to meter and dispense 5.25% Sodium Hypochlorite NaOCl at a 10% (9:1) solution. The components within the sprayhead work in conjunction with the specially designed bottle plug and dip tube within the bleach cartridge to deliver the correct solution of bleach. If the sprayer or cartridges are obviously damaged or missing parts, do not use the system!

STEP 1:
Fill the empty water cartridge with clean, cool tap water, and then insert the sprayer's tube down into the water cartridge; lock the cartridge into the sprayer with the locking tab.

STEP 2:
Remove the threaded plastic cap from the bleach cartridge.

STEP 3:
NEVER puncture or tamper with the plug that is in the neck of the bleach bottle; it must remain intact in order for the sprayer to dilute the bleach at the proper 10% dilution rate!

STEP 4:
Lock the bleach cartridge into the other side of the sprayer.

STEP 5:
Pointing the sprayer away from you into a sink or basin, pump the trigger a few times to prime the system.

STEP 6:
The sprayer is now ready to use as a broad-spectrum surface disinfectant on surfaces in accordance with the directions on the bleach cartridge.

STEP 7:
Always store your bleach system and additional bleach cartridges at room temperature (60^{o} – 72^{o} is best).

STEP 8:
Periodically test the sprayed bleach solution with a high-level chlorine test strip for available chlorine.

FAQ

ACTIVATE™ 5000 ppm Institutional Bleach Dilution System

Is Activate™ Bleach registered with the EPA as a disinfectant?
Yes. Activate™ 5.25% Institutional Bleach is manufactured by Deardorff Fitzsimmons Corporation (DFC) and its EPA product registration number is 75266-1.

We need a 10% solution; why does the Activate label indicate 5.25%?
The bleach in Activate Bleach cartridges is a standard 5.25% sodium hypochlorite solution (approx 52,500 ppm). The spray system dilutes the 5.25% bleach with water at a 1:9 rate which equates to a 10% solution (approx 5,250 ppm).

How do we know the system is really spraying the recommended 5,000 ppm of available chlorine?
DFC recommends regular testing of the sprayed solution with chlorine test strips to ensure the presence of 5,000 ppm available chlorine.

Why should we test the level of chlorine in our bleach?
The amount of available chlorine in bleach decreases with factors such as age and exposure to heat, sunlight, and contaminants. If your bleach solution is being used for disinfection purposes, it is important to be able to check its chlorine level for adequacy. DFC recommends regular testing of the sprayed solution with chlorine test strips to ensure the presence of 5,000 ppm available chlorine.

How will we know when the bleach cartridge is empty?
A safety feature ensures the sprayer will not spray when either the water cartridge or bleach cartridge is empty, eliminating any risk of spraying water only or bleach only.

Is the bleach exposed to air or dust while the system isn't being used?
No. The Activate™ system is sealed, eliminating any concerns about contamination or evaporation**.**

How effective is bleach as a disinfectant?
Please refer to the Deardorff Fitzsimmons Infection Control Library for information about bleach as a disinfectant.

Does the bleach contain mercury?
No. Based upon the manufacturing specifications, procedures, and chemical analysis, DFC certifies that Activate™ 5.25% Bleach contains no mercury.

Why can't we use our own bleach in the system?
The Activate™ Bleach Dilution System has been engineered specifically to meter and dispense 5.25% Sodium Hypochlorite at a 10% solution. Each bleach cartridge is permanently sealed with a specially designed metering plug/tube as a safety precaution and to ensure the integrity of the bleach. More importantly, the plug/tube is a vital part of the dilution mechanism, working in conjunction with the components within the sprayhead to deliver the correct solution of bleach. If this plug/tube is tampered with or removed, the system will no longer deliver the recommended concentration of bleach.