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NEXT GENERATION INFECTION CONTROL SOLUTIONS

FAQ

- 1. What is the EvaClean Program?** The EvaClean Infection Prevention and Control Program is a fully integrated, touchless sanitizing and disinfection solution that combines the power and efficiency of the Protexus cordless electrostatic spraying technology with PURTABS (EPA registered) disinfectants, sanitizers and bleach alternatives that meet high standards for efficacy, safety, value, and sustainability. By combining both the technology and chemistries into one complete solutions package, EvaClean allows workers and infection prevention experts to standardize their processes and eliminate many of the training and education challenges faced in programs that still use mops, buckets, wipes, rags, and spray bottles with a multitude of chemistries each with their own unique usage guidelines, dwell times, and safety procedures. The EvaClean Program optimizes workflow, simplifies training, and reduces costs, while delivering more predictable and repeatable results that greatly exceed those of current disinfection and sanitizing programs.
- 2. Can any sanitizer or disinfectant be used with the sprayer?** Only PURTABS or other EarthSafe approved products (including those that are a part of the EvaClean Program) have been tested, verified, and measured to achieve repeatable results, based on application and dwell times. EarthSafe makes no warranties or representations regarding products that are not part of the EvaClean Program. For non-infection control chemical applications, EarthSafe has other electrostatic spraying solutions.
- 3. Where can I learn how to use the sprayers?** Please visit these links

Backpack Instruction Video (PX300ES): <https://vimeo.com/285565417>

Handheld Instruction Video (PX200ES): <https://vimeo.com/285401198>
- 4. How long will the battery last once it has been charged?** Once charged the battery will run continuously for 4 hours.
- 5. How long is the battery life?** The battery can be recharged up to 2,000 times, which will give you an estimated 3-4 years of use.
- 6. What is the LED light for in the sprayer?** The function of the LED light is to provide better viewing clarity in dark or hidden spaces.



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7. **Does the sprayer have a safety certification?** All of our sprayers have ETL Certification which is the equivalent to UL and certifies that the products have met all the minimum safety standard requirements established by OSHA and carried out by Nationally Recognized Testing Laboratories. The selection of either certification largely comes down to the ETL having a larger pool of testing facilities and the ability to process registrations faster than UL. Neither carries any benefit over the other.

8. **Why are there 3 different nozzle settings?** Each setting was specifically designed for different functions and dwell times. The smaller setting is for sanitizing, the middle setting is for disinfecting, and the larger setting is for heavier saturation, i.e. fabrics or soft surfaces. Please reference the “Operation Instructions” for detailed descriptions.

9. **How many square feet will one 32 oz tank of the sprayer cover?** A 32oz tank will cover about 800-1,000 square feet. The variation is dependent on nozzle setting and surface material.

10. **How do I explain that the sprayer is not a mister or a fogger?** The electrostatic charge of the sprayer allows the droplets to attract to the surface rather than float in the air, as is typically associated with a mister or fogger. Misters and foggers are associated with worker exposure and respirable concerns. EarthSafe has conducted OSHA and NIOSH third party testing ensuring that there are no safety concerns for acute or long term worker exposure. It was established that exposure levels or PURTABS when sprayed with the Protexus Electrostatic Sprayer fall below established Permissible Exposure Levels (PEL).

11. **Does the sprayer need to have EPA registration or FDA approval?** No. It is a mechanical sprayer and is simply an alternative method of application from traditional spray bottles. The electrostatic charge (which can be turned on or off by the user) is simply an assistive mechanism to aid the user in more efficient and comprehensive application of EPA Registered chemical disinfectants and sanitizers to surfaces.

12. **Is the sprayer considered a medical device?** No. Again, the sprayer is a mechanical sprayer and is simply an alternative method of application from traditional spray bottles.

13. **If unit is not working properly and needs to be fixed, what is the process to get a new replacement or to fix, turn time of resolution?** We have technicians that can fix or



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replace the unit (if warranty claim) within 5 business days. For troubleshooting, click on the following video link:

Protexus Sprayers Troubleshooting: <https://vimeo.com/285404066>

14. **What is the durability and shelf life of unit (wear and tear)?** With proper care, the sprayer should last like any other piece of battery powered equipment. The sprayer should be regularly flushed, and should never be stored with any solution. Please see “operations instructions” for proper care.
15. **What should I do if my nozzle is clogged?** Nozzles may clog due to hard water mineral deposits, or improper care. You can soak nozzles in a generic calcium, lime & rust remover. We recommend soaking at least 24 hours and always having a spare nozzle on hand.
16. **How long is the warranty on the sprayer?** There is a 1 year limited warranty from the date of purchase on defects due to materials or workmanship.
17. **How long is the solution stable once diluted?** PURTABS are stable for 3 days once diluted and stored in a closed container. In an open container, the solution is stable for 24 hours.
18. **Does spraying PURTABS leave “bubble marks, or streaking” on plastic and stainless steel?** At a 4306 ppm concentration (4 minute *C.diff* claim), it may leave some residue, which would need to be wiped with water once dry. With all other concentrations, residue will not be left on plastic or stainless steel. Disinfecting and sanitizing with the electrostatic sprayer is not a substitute for proper cleaning protocols.
19. **Is there a way to keep track of dilution dates on the sprayer unit?** Yes, there are labels available for purchase that will affix onto the sprayer tank.
20. **Is it safe to spray computers, keyboards and phones?** Yes. It will be safe to spray for sanitizing at the small nozzle setting as long as proper application methods are followed. Electronic devices and equipment should not be saturated.
21. **Will the “wrap around” be effective on all surfaces and sizes?** In most environmental conditions the electrostatic wrap allows workers to achieve 3 x the coverage of a traditional spray bottle. However, in certain environmental conditions (i.e. wind, room humidity, etc.) delivery with the sprayer may not be completely uniform. Wrap should encompass 3-4 inches around each sprayed object. In certain instances, one will have to spray around certain objects and surfaces to obtain full coverage due to size, distance and substrate variations.



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22. **In a hospital, it takes approximately 30-45 minutes to clean and disinfect each room and turn for new patient (or terminal clean). Will using the sprayer reduce this time?**
With a two-step process, cleaning and disinfecting, the use of sprayer can reduce time by up to 40%.
23. **Do you still have to clean before using the sprayer?** Yes. You will still remove visible soil (unlike a one-step process where you would have to clean/disinfect every spot by keeping it wet for the required amount of time), and then spray to achieve complete and quick sanitizing or disinfection.
24. **What is PURTABS made of, what chemicals are in it?** The PURTABS Chemistry is based around NaDCC, an organic chlorine donor which yields Hypochlorous Acid (HOCl) and Monosodiumcyanurate (NaOCl) when dissolved in water. This solution results in a free available chlorine count (ppm) that is easily measurable with test strips to ensure the solution concentration is consistent with usage guidelines and all of the efficacy claims and data that are on our EPA Registered Label. There are 3 tablet size options to make mixing the proper concentration simple.
25. **Do PURTABS have a smell?** Yes. PURTABS has slight chlorine smell that dissipates quickly after application leaving what most end users describe as a “clean” or “sterile” smell.
26. **What are the contact times for the different concentrations of PURTABS?**
Please refer to dilution chart below:



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PURTABS DILUTIONS

KILL CLAIMS	CONCENTRATION	DILUTION
SANITIZER Food contact surface sanitizer (No Rinse) 60 second contact time	100 ppm	(1) 334mg tab / 1 qt (1) 3.3g tab / 2.5 gal (1) 13.1 tab / 10 gal
DISINFECTION Hospital grade disinfectant claims (Bleach alt.) Cold & flu virus' (including H1N1) Salmonella & Staph. – 10 Minute Contact Time	538 ppm	(6) 334mg tab / 1 qt (1) 3.3g tab / 2 qts
DISINFECTION Bloodborne pathogen, Herpes & Polio, Norovirus, MRSA & Ecoli, HIV, Hep B & Hep C claims – 10 Minute Contact Time	1076 ppm	(11) 334mg tab / 1 qt (1) 3.3 g tab / 1 qt (1) 13.1 tab / 1 gal
DISINFECTION Clostridium difficile spores – 4 minute claim	4306 ppm	(42) 334mg tab / 1 qt (4) 3.3 g tab / 1 qt (4) 13.1 tab / 1 gal
DISINFECTION Mycobacterium bovis (TB) – 4 minute claim	5382 ppm	(53) 334mg tab / 1 qt (5) 3.3 g tab / 1 qt (5) 13.1 tab / 1 gal

27. **What if I'm told they can only use bleach in the healthcare setting?** The CDC states that household bleach while having a broad spectrum of antimicrobial activity, contributes to ocular irritation or oropharyngeal, esophageal, and gastric burns, is corrosive to metals in high concentrations (>500 ppm), is inactivated by organic matter, discolors or "bleaches" fabrics, and releases of toxic chlorine gas when mixed with ammonia or acid (e.g., household cleaning agents). The CDC further states that alternative compounds that release chlorine, such as sodium dichloroisocyanurate (NaDCC – PURTABS), are more advantageous in that they retain chlorine longer and so exert a more prolonged bactericidal effect. Sodium dichloroisocyanurate tablets are stable, the microbicidal activity of solutions prepared from sodium dichloroisocyanurate tablets are greater than that of sodium hypochlorite solutions containing the same total available chlorine. (CDC Guidelines for Disinfection and Sterilization in Healthcare Facilities https://www.cdc.gov/hicpac/disinfection_sterilization/6_0disinfection.html). For schools or daycare, the CDC further recommends the use of a EPA registered disinfectants. <https://www.cdc.gov/flu/school/cleaning.htm>.

28. **How will this meet Hospital guidelines and standards required?** It is an EPA registered hospital grade disinfectant which is an obvious requirement for any chemical disinfectant or sanitizer and strictly measures the efficacy of the chemical itself. PURTABS sprayed with the Protexus Electrostatic Sprayer was independently tested and verified that exposure



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levels fall below established Permissible Exposure Levels (PEL) in compliance with OSHA and NIOSH.

29. Are there any Occupational Safety and Health Administration (OSHA) or National Institute for Occupational Safety & Health (NIOSH) exposure concerns for workers or when using the sprayer in a public setting (i.e. spraying around people or animals)?

No. EarthSafe conducted independent third party testing with American Environmental Consultants, Inc. to conduct personal air sampling. These were performed by a trained industrial hygienist using OSHA and NIOSH sampling techniques. All results verified that spraying PURTABS with the Protexus Electrostatic Sprayer fall below published accepted Permissible Exposure Limits (PEL) and Threshold Limit Value (TLV).

30. How do I buy your products? EarthSafe has selected the best industry experts for infection prevention solutions. To find a local distributor or for more information on our products, please contact us at 866-666-2305 or email us at info@earthsafeca.com.

31. Where can I find Safety Data Sheets (SDS) for your products? For technical information on EarthSafe products, please visit www.evaclean.com.

