



MORE STEP 1, PERMASAFE CLEAN FACTS

Q: With so many disinfectants and sanitizers on the market, why should I choose PermaSafe CLEAN?

A: When evaluating and comparing disinfectants, ask for, and thoroughly inspect, each product's EPA Master Label. A product's EPA Master Label includes just about everything you'll ever want or need to know about the product, including real, authenticated facts and figures regarding its safety, efficacy, permitted claims and other vital product information. And no disinfectant's EPA Master Label is more impressive than ours. Please be sure to compare before you buy!

Q. What is a Hospital Disinfectant?

A. As part of the Environmental Protection Agency's registration process, disinfectants undergo rigorous testing to prove their efficacy and toxicity. The EPA registers three types of disinfectants: Limited, General, and Hospital. All three disinfectants destroy, inactivate or inhibit the growth of certain microorganisms on hard, inanimate objects and surfaces. You can determine if a disinfectant is classified as "Limited," "General," or "Hospital" by what microorganisms it's effective against, as listed on its master label.

Limited: Disinfectant must be effective against either *Salmonella cholerasuis* or *Staphylococcus aureus*. Limited disinfectants are generally formulated for household use.

General: Disinfectant must be effective against both *Salmonella cholerasuis* and *Staphylococcus aureus*. General disinfectants are typically designed and used for commercial purposes.

Hospital: Disinfectant must pass the AOAC Use Dilution or AOAC Germicidal Spray efficacy testing against *Staphylococcus aureus*, *Salmonella cholerasuis* and *Pseudomonas aeruginosa*.

Toxicity Rating: During the EPA's evaluation process, each disinfectant is assigned a toxicity rating. These ratings range from Category 1 (highly toxic) to Category 4 (no exposure warnings required on product label). PermaSafe CLEAN received an EPA Category 4 Rating for all exposure routes, with the exception of mild eye irritation.

Q. What is a Sanitizer?

A. A substance, or mixture of substances, intended to reduce the number of bacteria on inanimate surfaces, in water or air.



Q. What is the difference between a “Food Contact Sanitizer” and a “Non-Food Contact Sanitizer”?

A. Food Contact Sanitizer: At a minimum, a Food Contact Sanitizer must reduce the level of *Staphylococcus aureus* and *Escherichia coli* by 99.999% on a food contact surface within 60 seconds, without rinsing the food contact surface with water after product application.

Non-Food Contact Sanitizer: At a minimum, a Non-Food Contact Sanitizer must reduce the level of *Staphylococcus aureus* and *Klebsiella pneumoniae* or *Enterobacter aerogenes*, by 99.9% on non-food contact surfaces within a period of 5 minutes.

Q. What does “No rinse required on Food Contact Surfaces” mean?

A. “No Rinse Required on Food Contact Surfaces” is a safety rating given by the NSF International (previously the National Sanitation Foundation). The NSF testing guidelines are a continuation of the USDA Product Approval and Listing Protocol, and include the FDA 21 program. PermaSafe CLEAN is rated “No Rinse Required on Food Contact Surfaces” category D2, which means PermaSafe CLEAN is approved for use in commercial and residential kitchens to control bacteria and viruses, as well as mold, without the need to wash or rinse the area with water after PermaSafe CLEAN is applied.

Q. Can I clean and disinfect at the same time with PermaSafe CLEAN?

A. Yes, you can clean and disinfect in one easy step with PermaSafe CLEAN. However, such a result depends on how dirty the surface you are attempting to clean and disinfect is. The dirtier the surface the less effective the disinfectant. Disinfectants need to come in contact with the target area to disinfect it, and cannot do this effectively with a barrier of dirt or grime in the way. Once the dirt has been wiped away, the disinfectant can be effective. Under lightly soiled conditions, you can clean and disinfect in one single step with PermaSafe CLEAN.

Q: What does it mean that a disinfectant product is "green"?

A: The EPA is currently reviewing how third parties may be able to make "green" claims on disinfectant labels in the near future. However, current EPA policy does not allow "green" claims to be used directly on any disinfectant's label. While PermaSafe CLEAN is mild on skin, yet tough on surfaces and fabric, and will certainly qualify for "green status" once the designation is permitted, we cannot advertise this claim until its use has been authorized by the EPA.



CLEAN is also a powerful disinfectant, and able to kill some of the toughest, most resistant forms of bacteria and other microorganisms. The chemical composition of PermaSafe CLEAN is such that it has a minimal impact on the environment and contains no ozone harming Volatile Organic Compounds (VOC's). Unlike more common disinfectants, such as chlorine bleach, which produces harmful by-products to the environment including trihalomethanes (THM) and haloacetic acids (HAAS), PermaSafe CLEAN breaks down to simple salt and produces no harmful by-products.

Q: I see that PermaSafe CLEAN is used in schools and hospitals, as well as automobiles. Does that mean I can use it in my home or office?

A: Yes. PermaSafe CLEAN is an excellent disinfectant to use around the home and office. Some of the best uses for PermaSafe CLEAN are in musty basements, in bathrooms where mold, mildew and germs often accumulate, and on almost any surface that you wish to keep clean and protect from mold, mildew and other microorganisms. PermaSafe CLEAN can also be used to sanitize carpets, something very few disinfectants can accomplish.

Q: What are the advantages of using sprayers and foggers to disperse PermaSafe CLEAN?

A: The quickest way to disinfect most buildings or other large areas is by utilizing a fogger or electrostatic sprayer capable of creating a very fine droplet size or mist. Such application devices enable you to treat walls, floors, and ceilings in a matter of a few minutes. PermaSafe CLEAN is one of the few disinfectants that can be dispersed in this manner because CLEAN is non-corrosive to treated surfaces and objects.