

WHAT IS DESIGN FOR THE ENVIRONMENT?



www.epa.gov/pesticides/regulating/labels/design-dfe-pilot.html

Design for the Environment (DfE) is part of the EPA's Safer Choice program aimed at "helping consumers, businesses, and purchasers find products that perform well and are safer for human health and the environment."

As part of the Design for Environment program, the EPA evaluates every ingredient against a stringent set of health and environmental criteria from a chemical perspective.

What does the DfE Label Mean on Antimicrobial Product Labels?

By their very nature, most hard surface sanitizers and disinfectants (which the EPA classifies as antimicrobial pesticides) have the potential to pose hazards to human health or the environment. This is particularly the case if the label instructions are not followed precisely. Because of this, the EPA cannot say that any registered hard surface sanitizer or disinfectant is safe under all circumstances.

However, a product has received the EPA's DfE approval if the product has met the following strict criteria:

- is in the least-hazardous class (i.e. III and IV) of EPA's acute toxicity category hierarchy;
- is unlikely to have carcinogenic or endocrine disruptor properties;
- is unlikely to cause developmental, reproductive, mutagenic, or neurotoxicity issues;
- has no outstanding "conditional registration" data issues;
- EPA has reviewed and accepted mixtures, including inert ingredients;
- does not require the use of Agency-mandated personal protective equipment;
- has no unresolved or unreasonable adverse effects reported;
- has no unresolved efficacy failures (associated with the Antimicrobial Testing Program or otherwise);
- has no unresolved compliance or enforcement actions associated with it; and
- has the identical formulation as the one identified in the DfE application reviewed by EPA.

Active Ingredients for Use in Products for DfE Pesticide Pilot

Products composed of one or more of the active ingredients listed below may be considered for the DfE label. Note: The product and inert ingredients in the formulation will be reviewed against the Safer Choice standard.

- Citric acid
- Hydrogen peroxide
- L-lactic acid
- Ethanol
- Isopropanol
- Peroxyacetic acid
- Sodium Bisulfate

How does PURELL® Surface Spray compare to other DfE certified products?



When comparing PURELL Surface Spray to the short-list of products that have been certified as Design for Environment:

- Three other DfE certified product also qualified for the lowest EPA toxicity rating (Cat IV), which are Lysol Brand III Kills 99.9% of Viruses & Bacterial All Purpose Cleaner, Lysol Brand Kills 99.9% of Viruses & Bacteria with Hydrogen Peroxide Multipurpose cleaner and Accel Virocide by Virox
- PURELL Surface Spray kills more organisms and disinfects faster compared to all other products certified as DfE

List of Authorized DfE Products

Below is the most current list of products that have been certified for the DfE label. Inclusion on this list does not constitute an endorsement by EPA. Pesticide products are often marketed under more than one name. Use the EPA Registration Number rather than the product name to check on the approval status of a product.

EPA Reg. No.	Product/Brand Names	EPA Toxicity Rating	Disinfectant Kill Times*	Active Ingredient	Company
84368-1-84150	PURELL Surface Spray *** Several different product names	Cat IV	Bactericide 30 sec. – 1 min. Virucide 1 min. Fungicide 30 sec. – 5 min. Tb 5 min.	Ethanol	GOJO Industries, Inc.
777-100	Lysol Brand III Kills 99.9% of Viruses & Bacteria** All Purpose Cleaner *** Several different product names	Cat IV	Bactericide 10 min. Virucide 10 min.	I- Lactic Acid	Reckitt Benckiser
777-126	Lysol Brand Kills 99.9% of Viruses & Bacteria** with Hydrogen Peroxide Multipurpose cleaner *** Several different product names	Cat IV	Bactericide 10 min. Virucide 10 min. Fungicide 10 min.	Hydrogen Peroxide	Reckitt Benckise
74559-8	Accel Virocide RTU	Cat IV	Bactericide 5 min. Virucide 5 min.	Hydrogen Peroxide	Virox Technologies
777-111	Lysol Brand Kills CounterMate™ Multi-Purpose Cleaner Pomegranate Splash *** Several different product names	Cat III	Bactericide 5 min. Virucide 30 sec. – 1 min.	I- Lactic Acid	Reckitt Benckise
34810-35	Clean-Cide	Cat III	Bactericide 5 – 10 min. Virucidal 5 – 10 min. Fungicide 5 min. Tb 5 min.	Citric Acid	Wexford Labs
88472-1	Earth Rescue Disinfectant All Purpose Cleaner/Bathroom Cleaner	Cat III	Bactericide 5 min. Virucide 5 min.	I- Lactic Acid	International Consolidated Business
88472-2	Earth Rescue Toilet Bowl Cleaner	Cat III	Bactericide 5 min. Virucide 5 min.	I- Lactic Acid	International Consolidated Business
9902-2	Glisten Dishwasher Magic Cleaner Disinfectant	Cat III	<i>No bugs or kill claims listed on submitted label</i>	Citric Acid	Iron Out, Inc
5741-25	GS Restroom Cleaner	Cat III	Bactericide 10 min. Virucide 5 min.	Citric Acid	Spartan Chemical Company
34810-37	Wexford Disinfectant Wipes	Cat III	Bactericide 5 – 10 min. Virucidal 5 – 10 min. Fungicide 5 min. Tb 5 min.	Citric Acid	Wexford Labs

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