



LIGHTHOUSE
Environmental Infection
Prevention®



Safe Chemistry and Sustainable Solutions

Lighthouse has always prided its self in the solutions we offer for a cleaner and safer planet. The health of our world goes beyond the health of its people, but extends to the health of our water, forests, oceans, and cities. We strive to create successful environmental infection prevention solutions that take the care of the earth into account. A healthy planet means healthy people, so Lighthouse has invented safe and less caustic chemistry, as well as recyclable single-use microfiber that drastically reduces detrimental microplastics.



The First Disinfectant with an EPA Registered Biofilm Claim

Defender is Lighthouse's all in one EPA registered Sporidical Disinfectant, Cleaner & Sanitizer. Clinically effective even in the presence of organic soil (unlike bleach). Defender is safe for employees and patients, Non-corrosive, non-irritating, and formulated to prevent Biofilm. Kills *C. difficile* spores in 4 minutes. Kills *Salmonella enterica*, *Staphylococcus aureus*, *Pseudomonas aeruginosa*, *Klebsiella pneumoniae*, and *Acinetobacter baumannii* in 4 minutes. Kills *Norovirus* in 1 minute and kills *Hepatitis A*, *B* and *C* in 1 minute.

The Problems With Launderable Microfiber.

High Energy Consumption

Laundering Process and transportation from point-of-use to an external laundromat or rental service uses huge amounts of energy.

Large Volume of Waste Water

The laundering process of reusable microfiber mops and wipes consumes huge amounts of fresh water. Approximately 3 gallons of water/pound of fabric.

Dying Process Negative Impact on the Environment

Reusables are usually dyed dark to hide the residue of dirt and grime left following the laundering process. Studies show that dyeing one ton of textiles requires 200 tons of water.

Increasing Plastic Microfiber Pollution

Laundering microfibers and other synthetic fabrics shed tens of thousands of plastic microfibers per wash. Microorganisms confuse the plastic with food and are ingesting them. Biomagnification is leading to increased presence of plastics up the food chain.

Trust

Trust Single-Use Microfiber and its Environmental Benefits

Trust Single-Use recyclable microfiber mops and cloths carry with them not only all the dirt and dust you mop, but also the added benefits of not needing to go through the laundering process. This in turn reduces energy costs as well as waste water that contains harmful micro plastics. Trust Single-Use microfiber with 100% polyester (PET 1 plastic) that is fully recyclable.

