

What Should I Know about CiCLO®?

Fibers made with CiCLO® technology reduce the persistence of unavoidable synthetic microfiber pollution caused by textiles. Synthetic microfibers (a.k.a. fiber fragments) are the most prevalent form of microplastic pollution found in aquatic, atmospheric, and terrestrial environments across the globe.

Over 60% of today's textiles, including those used in scrubs, are made with synthetic fibers like polyester and nylon. These synthetic fibers are actually plastic, which makes them high performance, super durable, and easy care. However, like most plastics, they are not inherently biodegradable. Almost all fabrics shed tiny microfibers during manufacture, use, and care. They are so small that they cannot be recaptured once fugitive in the environment, where they remain indefinitely like other non-biodegradable plastics...unless they are made with CiCLO® technology.

Landau



What does CiCLO® fabric do for the environment, and during use and care?

CiCLO® polyester and nylon behave like natural fibers when they end up as pollutants in the environment. Like wool, CiCLO® fibers will eventually biodegrade in environments where biodegradation can occur (requires access to moisture and microbes over extended periods of time), including wastewater sludge, soil, anaerobic landfill conditions and sea water. In short but scientific terms, CiCLO® technology allows microbes that naturally occur in these environments where microfibers are prolific pollutants to mineralize the material, resulting in the production of basic natural elements including biogas, water, minerals and biomass.

There is no loss of performance or durability of the end products, and no activation of the CiCLO® biodegradation mechanism during manufacture, use or care. Garments made with CiCLO® fibers will not biodegrade in a closet, washing machine, or at all during their useful life... just like garments made with cotton or wool will not.

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Is it safe?

Yes. The chemistry used to make CiCLO fibers is ECO PASSPORT by OEKO-TEX® certified, REACH compliant and non-toxic to marine life.



Learn more at www.ciclotextiles.com