

By Xinhuanet reporter Feng Tao, Han Lin



[William A. Mowers demonstrates the new nanotechnology for home laundry at a new tech demonstration held in Beijing, March 30, 2007. \(Photo: Xinhuanet/Han Lin\) Photo Gallery>>>](#)

BEIJING, March 30 (Xinhuanet) -- A new nanotechnology for home laundry is going to enter Chinese market. Clothes can remain the feature of stain resistance up to one month after using this liquid product, which does not contain fluorine, so it can be used in home laundry, according to a new tech demonstration held in Beijing Friday.

Michael C. Berg, a senior research scientist of the product from Soane Labs, a U.S. nano technology research center, said at the demonstration that this new product, like fabric softeners, can make clothes waterproof, oil proof and dust proof with special fragrance, and it does not contain any chemical elements that are harmful to the human body.

Michael demonstrated the stain resistance feature of the product on variety of textiles, especially its effective protection against different kinds of liquid, such as beverages, oil, flavorings and ink.

He said that a nanolayer from self-assembly of a polymer is formed on the textile washed with this product. The layer is very thin, 10 nanometers (a nanometer is a billionth of a meter) in dimension and thus does not alter the performance or overall texture of the textile, as well as air and moisture permeability of primary fabric.

The product can be used for any type of fabrics such as cotton, wool, silk, flax, synthetics and mix spinning, he added.

"Stain resistant textiles currently available in market are mainly pretreated with fluorinated materials," said Michael, but our product is designed to be delivered from water and does not contain fluorine.

William A. Mowers, another researcher, said the product will be at the similar price of normal fabric softeners on the market.

Soane Labs, LLC has authorized the Andeson Bio-tech Co. to promote this technology and sell the product in China, said Liu Dawei, general manager of Andeson Bio-tech Co., adding there will be a bright prospect in Chinese market.

Nanotechnology is a technology development of the atomic, molecular, supramolecular science of

Nanotechnology is a technology development at the atomic, molecular, or macromolecular range of approximately 1-100 nm to create and use structures, devices, and systems that have novel properties. This technology is applied into a broad range of fields nowadays.

---

