

Greenpeace finds toxic chemicals in branded clothing

August 23 2011, by Sebastien Blanc

Traces of toxic chemicals harmful to the environment and to human health have been detected in products made by 14 top clothing manufacturers, Greenpeace said Tuesday.

Samples of clothing from top brands including Adidas, Uniqlo, Calvin Klein, H&M, Abercrombie & Fitch, Lacoste, Converse and Ralph Lauren were found to be tainted with the chemicals, known as nonylphenol ethoxylates, the watchdog said at the launch of its report "Dirty Laundry 2".

Greenpeace campaigner Li Yifang said that nonylphenol ethoxylates (NPEs), commonly used as detergents in industries including the production of natural and synthetic textiles, were detected in two-thirds of the samples the group tested.

"NPEs break down to form nonylphenol, which has toxic, persistent and hormone-disrupting properties," Li told journalists in Beijing.

"It mimics female hormones, alters sexual development and affects reproductive systems."

Components of NPEs have been implicated in the widespread "feminisation" of male fish in parts of Europe and also in disrupting hormone processes in some mammals, according to the campaign group WWF.

Greenpeace said it purchased 78 branded clothing samples -- mostly made in China, Vietnam, Malaysia and the Philippines -- from 18 countries around the world and subjected them to scientific analysis.

"Even at low levels, it represents a big threat to the environment and [human health](#)," Li said.

"This is not just a problem for the developing countries where textiles are made.

"Since residual levels of NPEs are released when clothes are washed, they are in effect creeping into countries where their use is banned."

Use of the chemicals is restricted in Europe.

As the report was released, activists stormed a flagship Adidas store in Hong Kong, demanding that the store eliminate [hazardous chemicals](#) in their products and urging would-be customers to "rethink".

Adidas also came under fire in separate Greenpeace report, "Dirty Laundry", released last month, which accused the manufacturers of well-known textile brands of polluting major rivers in China with chemical waste.

About a dozen Greenpeace activists dressed as referees created a stir as they descended on one of Adidas' busiest shops in the southern Chinese city.

They handed out campaign leaflets to customers while handing warning yellow cards to store staff, cautioning the brand to "play clean".

Eight samples of wastewater from two factories in the Yangtze and Pearl River deltas, identified as suppliers for the brands, contained "a cocktail

of hazardous chemicals", the group said in last month's report.

Nike and Puma have since pledged since then to eliminate the use of hazardous chemicals in their products by 2020, but Adidas has not, according to [Greenpeace](#) spokeswoman Vivien Yau.

Adidas Hong Kong did not immediately respond to requests for comment.

But the company has previously said it used the Youngor Group -- one of the accused suppliers -- for garment cutting and sewing only, not to source fabrics, but had also asked Youngor to investigate Greenpeace's claims.

It added that it had a comprehensive policy on avoiding dangerous substances.

However, Yau said: "As the second biggest player in the sportswear industry, Adidas has an obligation to detoxify its global supply chain.

"So far, the brand has done nothing despite repeated requests from us. This is really unacceptable."

(c) 2011 AFP

Citation: Greenpeace finds toxic chemicals in branded clothing (2011, August 23) retrieved 8 June 2023 from <https://phys.org/news/2011-08-greenpeace-toxic-chemicals-branded.html>

<p>This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.</p>
--