

# PRESS RELEASE

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DEVAN CHEMICALS

## Devan launches two new sustainable technologies

**RONSE, BELGIUM – Textile innovator Devan Chemicals will launch two new technologies at the upcoming Techtextil show in Frankfurt (May 14-17). Bio-flam, a bio-based flame retardant product and Odour Breakdown, a wash durable, non-biocidal odour control solution.**

As tradition goes, every two years Devan participates in Techtextil, the leading international trade fair for technical textiles and nonwovens. In the quest for sustainability and transparency every company faces these days, the new Devan technologies offer answers to product developers and portfolio designers.

### **Bio-flam**

Some facts & figures: There are at least 5000 fire incidents each day in the EU. Yearly, about 70 000 people are hospitalised with fire-related injuries. Fires cause pollution.

So sustainable fire performance of products is an economic, environmental and human necessity. Take the example of mattresses: tests indicate that when on fire, non-FR treated products give less than 5 minutes escape time. Unfortunately, that is not enough time for the fire brigade to arrive.

Needless to say that to increase escape time, to reduce the risk and to save lives, products need to be flame retardant. The challenge is to obtain flame retardant properties in the most natural way, to find the right balance between safety for the people and for the planet.

Companies can do this by replacing raw materials from a non-renewable source, by bio-based FR treatments, which are made from renewable sources and do not contain halogens or heavy metals, as described in the norm EN 16785 1:2015.

Bio-based FR treatments, like Bio-flam, are made from renewable, vegetable sources and enable the FR treated products to be biodegradable. The active components are 100% halogen- and heavy metal-free.

A welcome innovation for the bedding industry, as the European Commission EU requires mattresses to be recyclable by 2030 in order to reduce landfill.

Bio-flam P307 is the first introduction in the new Devan BIO-FR family, and is biodegradable and is developed to be used on 100% cotton or cotton/viscose mixtures, in order to create an ecological concept, safe for people and planet, whatever might happen.

Bio-flam P 307 is developed for mattress ticking to pass EN 597 1&2. The Devan researchers are developing other bio-based products for other market segments and for other fire standards.

### **Odour Breakdown wash-durable**

Be more sustainable: avoid bad smells without washing. Odour Breakdown, the latest addition to the odour control family of Devan, makes it happen.

Our sweat itself is odourless: it is not until bacteria start to break it down into acids that the bad smells occur. Devan's Odour Breakdown captures and neutralises these malodours produced by the bacteria. The technology also reduces the adherence of bacteria onto the fabrics: during home laundry cycles the bacteria are easily removed from the fabric.

Bacteria are known to adhere and accumulate on polyester fabrics, but also on cotton and polyamide, bacteria develop and can produce malodours. In these fabric types bacteria are easily washed away, but the malodour can remain in the garment. With Odour Breakdown technology the malodours that can build up in the fabric are captured and neutralized, resulting in a cleaner and fresher garment. The bacteria are easily removed during home laundry even at lower temperature wash cycles.

Odour Breakdown is a wash-durable, non-biocidal odour control solution. Odour Breakdown makes it possible to wash less and at lower temperatures without compromising on comfort and hygiene.

Customisable:

Odour Breakdown has different application levels, to answer the specific need of the product it needs to fit. The desired wash durability will determine the level of application.

This technology also contains Devan's Moov&Cool technology, this means that at the highest application level, in addition to odour control, the technology can also help in cooling during the sports activity.

[www.devan.net](http://www.devan.net)



Devan Chemicals is a worldwide developer of speciality chemicals for textiles, headquartered in Belgium and with offices in the UK, Portugal and the USA. The company was founded in 1977 and has a strong focus on innovation, research & development and sustainability. Devan is a leading innovator in the fields of protection (flame retardants), performance (odour control & stain release), thermoregulation (PCM's and cooling technologies such as Moov&Cool®), health & wellness (aromatherapy, R-Vital™ and allergen control) and fibres and yarns (functional masterbatch technologies).

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## IMAGERY



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