

## Alexiflam® NF granted EPA approval, supporting US-based sales

### Highlights:

- Significant milestone achieved for Alexiflam® NF with receipt of US EPA approval
- Alexium can now manufacture and sell Alexiflam® NF into the US, the world's largest market for flame retardant cotton
- EPA approval builds on Alexium's recent MoU with ICL supporting Alexiflam® NF's global growth opportunities

**Perth (Australia), Greer (South Carolina, US) – 24 April 2019** - Alexium International Group Limited (ASX: AJX, NASDAQ Designation: AXXIY) is pleased to announce that it has received US Environmental Protection Agency (EPA) approval under TSCA for the manufacture and sale of Alexiflam® NF in the US. The EPA approval provides Alexium with access to the largest market region for flame retardant cotton and follows the recent announcement of the Company's Memorandum of Understanding with ICL (TASE/NYSE: ICL) for the future manufacture, marketing and sales of Alexiflam® NF.

Alexiflam® NF is a patent pending flame retardant developed by Alexium for the treatment of cotton and cellulose-based textiles. Alexiflam® NF has enhanced flame-retardant properties over incumbent products. In addition, it provides improved environmental and health profiles:

- Essentially formaldehyde free
- Mild application conditions
- Ammoniation free application.

The approval received under the US Toxic Substances Control Act (TSCA) follows the successful completion of the EPA's risk assessment of the hazards associated with the manufacturing, processing, and use of Alexiflam® NF. TSCA regulates the introduction of new chemical products in the US. Recently updated by the Lautenberg Chemical Safety Act, the assessment of Alexiflam® NF was under the more rigorous new TSCA standard.

This EPA approval provides Alexium with the ability to manufacture and sell Alexiflam® NF in the US, which represents nearly half of the global flame-retardant cotton market. Based on the provisions of the approval, Alexium can produce the volumes of Alexiflam® NF needed to support the Company's sales targets for military and industrial application in the US.

Commenting on the EPA's approval of Alexiflam NF®, Alexium CEO Dr. Bob Brookins said: "EPA approval of Alexiflam® NF marks a significant milestone for the Company. This approval supports Alexium's manufacture and sales into the US, which represents the largest global market for flame retardant cotton products. The EPA approval builds on our recent MoU with ICL for them to act as the future manufacturer and distributor of Alexiflam® NF. Having delivered on these milestones, Alexium is well placed to drive the commercialization of Alexiflam® NF and deliver on the global opportunities we see for our unique textile technology."



# ALEXIUM

## About Alexium International Group Limited

Alexium International Group Limited (ASX: AJX, Nasdaq Designation: AXXIY) holds proprietary patent applications for novel technologies developed to provide flame retardancy for a wide range of materials. These environmentally friendly flame retardants have applications for several industries and can be customized. Further, Alexium develops proprietary products for advanced thermoregulation utilizing phase change materials. Alexium also holds patents for a process developed initially by the U.S. Department of Defense, which allows for the surface modification and attachment of nanoparticles or multiple chemical functional groups to surfaces or substrates to provide fire retardancy and various additional functionalities. Applications under development include but are not limited to textiles, packaging, electronics, and building materials. Alexium's chemical treatments are currently marketed as Alexicool® and Alexiflam®. For additional information about Alexium, please visit [www.alexiuminternational.com](http://www.alexiuminternational.com).

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