

## ALEXIUM GAINS SIGNIFICANT WIN ON WORK WITH EPA.

**Perth, Australia and Greer, South Carolina:** Alexium International Group Limited (“Alexium,” “the Company”) (ASX:AJX, OTC QX:AXXIY) today welcomed an announcement from the United States Environmental Protection Agency (EPA) to reduce exposure to certain persistent, bioaccumulative, and toxic (PBT) chemicals pursuant to the recently enacted Frank R. Lautenberg Chemical Safety for the 21st Century Act. In a press release, the EPA listed five chemicals that are to receive expedited action under the Act in an effort to reduce risk to public health and to better protect the environment from dangerous chemicals. Specifically, the EPA will focus initially on the following:

Decabromodiphenyl ethers (DecaBDE), used as a flame retardant in textiles, plastics and polyurethane foam;  
Hexachlorobutadiene (HCBD), used in the manufacture of rubber compounds and lubricants and as a solvent;  
Pentachlorothio-phenol (PCTP), used as an agent to make rubber more pliable in industrial uses;  
Tris (4-isopropylphenyl) phosphate, used as a flame retardant in consumer products and other industrial uses;  
2,4,6-Tris(tert-butyl)phenol, used as a fuel, oil, gasoline or lubricant additive.

“Alexium is pleased to see this action being taken by the EPA to protect the public and the environment from the well documented dangers of these chemicals, especially the two directly relating to flame retardants,” said Nicholas Clark, CEO. “We have been working closely with interest groups and the government at the federal level to bring awareness to these dangers and the alternatives, like AlexiumFR, that exist in the marketplace that can provide better efficiency in protecting the public from fire hazards associated with fabrics, while at the same time ensuring that the health of the public and the well being of the environment is front of mind,” he continued. “We look forward to continuing our efforts in Washington, DC to promote a safe and affordable alternative to DecaBDE as well as Tris based chemicals in the flame resistant market.”

“The EPA has rightly targeted Tris and DecaBDE in its first action under the new law as the evidence of the hazards associated with their use is compelling,” stated Dr. Bob Brookins, Vice President of Research and Development for Alexium. “Our mission at Alexium has been and remains to strike the balance between effective flame retardants and the safety of the public and the environment, and this action by the EPA demonstrates that we have been on the right track since our inception.”

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Alexium International Group Limited (ASX: AJX, OTC QX: 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 a number of industries and can be customized. Further, Alexium has developed products for a range of other applications including phase-change materials, water repellents, antimicrobials, and combinations thereof. 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 nano-particles or multiple chemical functional groups to surfaces or substrates to provide functions such as fire retardancy, water proofing, oil proofing, and anti-microbial treatments. Applications under development include but are not limited to textiles, packaging, electronics, and building materials. Alexium's chemical treatments are currently marketed under the Alexiflam™, Alexiflam FR™, Alexiflam SYN™, Alexiflam NF™, Alexicool™, Alexiflam PB™, and Alexiflam AD™ brand names. For additional information about Alexium, please visit [www.alexiuminternational.com](http://www.alexiuminternational.com)