

FOR IMMEDIATE RELEASE: ASX | 2 December 2020

Alexium Expands Eco-friendly High Performance Product Offerings with Proprietary Biobased & Biodegradable Phase Change Materials

Highlights

- **Proprietary biobased & biodegradable Phase Change Material released for commercialisation**
- **Significant end market opportunities in the consumer products sector**
- **Growing portfolio of eco-friendly high-performance specialty chemical solutions for thermal management and flame retardancy.**

Sydney (Australia), Greer (South Carolina, US) – 2 December 2020:

Innovative eco-friendly specialty chemicals producer Alexium International Group Limited (ASX: AJX) announced today the commercialisation of a new line of proprietary biobased and biodegradable phase change materials for thermal management applications. Beyond the environmental benefits, these products provide further performance enhancements and expand the range of applicable market segments for the Alexicool® portfolio.

Phase change materials (PCMs) are the key active material for the Company's Alexicool® products and are used in a range of consumer products including bedding materials and activewear. The new biobased PCM products were developed with corporate partners and leverage a range of insights gained from Alexium's years of research and analytics in thermal management applications. These benefits include:

- Certified biobased & biodegradable PCMs
- Improved rate of activation to its active form
- Improved handling during manufacturing
- Cost competitive

Additionally, this platform allows for the Company to expand its portfolio to address a broader range of end products and to better meet customer needs.

"The need for eco-conscious and sustainable cooling products has grown significantly over the past two years. Developing the biobased PCMs was a natural outgrowth of our role as a solution provider for our customers," said Dr. Bob Brookins, Alexium Chief Executive Officer. "This new addition further expands

our portfolio of environmentally friendly products, joining our FR cotton treatment for mattress socks and environmentally friendly flame retardants. Our innovations illustrate how eco-conscious products can be provided at a high performing and cost-competitive level.”

About Alexium International Group Limited

Alexium International Group Limited (ASX: AJX) is a performance chemicals provider for advanced materials applications with a focus on flame retardancy and thermal management. The Company is driven by an innovation model for addressing market gaps with patent-protected technologies. These environmentally friendly solutions have applications for several industries and can be customized to meet customer needs. Key markets for Alexium are military uniforms, workwear, and bedding products. Alexium brands include Alexicool® and Alexiflam®. For additional information about Alexium, please visit www.alexiuminternational.com.

Authorised for release by the Board of Alexium International Group Limited

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