



Renewable chemicals naturally designed and engineered to deliver the performance that adds value to everyday products

Green Biologics Acquires GreenFlame™ Brand, Inks Kroger as First Retail Partner for Sustainable Charcoal Lighter Fluid

Largest grocery retailer by revenue signs on to offer Green Biologics' first high performance, bio-based product for consumers

Ashland, Virginia and Abingdon, Oxfordshire U.K. (January 31, 2017) – [Green Biologics, Inc.](#), the U.S. subsidiary of Green Biologics Ltd., a U.K. industrial biotechnology and renewable chemicals company, today announces the acquisition of the GreenFlame™ brand and the associated intellectual property. GreenFlame™ is a **USDA BioPreferred® certified, natural, clean burning** fuel with a range of potential end uses, from charcoal lighter fluid to torch & camping fuels, and food warming products. Kroger, the largest grocery retailer by revenue in the United States, will serve as Green Biologics' first retail partner for the GreenFlame™ charcoal lighter fluid.

Kroger, which has stores in 35 states and the District of Columbia, has set a number of commendable sustainability and responsible sourcing goals. Kroger's decision to offer the GreenFlame™ charcoal lighter fluid to shoppers is yet another proof point of the retailer's commitment to its mantra of "improving today to protect tomorrow."

GreenFlame™ combines a natural formula with equivalent performance to traditional petroleum-based products. The acquisition of this **patented technology** supports Green Biologics' strategy to utilize its 100 percent bio-based specialty chemicals platform to develop performance-based formulated products for high-value consumer applications.

"The foundation of our commercial strategy is the ability to leverage the natural aspects of our technology with demonstrated performance benefits that meet the needs of specialty markets and consumers," said Sean Sutcliffe, CEO of Green Biologics.

"We believe there is a growing demand amongst consumers for natural products that perform equal to or better than the traditional technology," said David Anderson, Global Vice President of Marketing for Green Biologics.

To learn more, please visit www.greenbiologics.com.

About Green Biologics

Green Biologics Ltd (GBL) is a renewable chemicals company based in Abingdon, England with a wholly owned U.S. operating company, Green Biologics Inc., based in Gahanna, Ohio. GBL's *Clostridium* fermentation platform converts a wide range of sustainable feedstocks into high performance green chemicals such as n-butanol, acetone, and through chemical synthesis, derivatives of butanol and acetone used by a growing global



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consumer and industrial products customer base. The platform combines advanced high productivity fermentation with superior-performing proprietary *Clostridium* microbial biocatalysts and synthetic chemistry to produce a pipeline of high value green chemicals with optimal performance in downstream formulations.

Green Biologics was named to the Global Cleantech 100 list of the top Cleantech companies in the world for 2014 and 2015. The company was also #8 on the Hottest 40 Small Companies in the Bioeconomy and #22 on the Hottest 30 list for Bio-based Chemicals and Materials for 2015.

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