

US PATENT AND TRADEMARK OFFICE ISSUES PATENT EXPANDING HSMG BIOBASED BARRIER COATINGS

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HSMG and parent company Greentech Global today announce a new patent that expands the range of oil, grease and water barriers in the PROTĒAN® portfolio of solutions.

US Patent 11,345,831, issued on May 31st, strengthens and broadens HSMG's PROTĒAN technology offering by introducing the use of plant proteins, or "prolamines", in their patented platform of formulations. The new prolamine-enhanced formulations expand the performance of HSMG's 100% plant-derived options to treat fiber-based products for grease, water and oil resistance without the use of plastics or PFAS. Both plastics and PFAS are widely used classes of materials that are being replaced around the globe as quickly as possible due to environmental, health and safety concerns.

"As a technology company, a broad patent portfolio is a key source of value to our customers and validates the novelty of the PROTĒAN platform in a time when it is critical to find solutions to replace plastics and PFAS in packaging" states Kris Burton, Chief Operating Officer of HSMG. "Now that the foundational patents have issued, we look forward to the allowance of a number of related and product-specific applications filed over the past several years."

Unlike plastics and PFAS, PROTĒAN barrier solutions are readily recyclable and biodegradable and include 100% plant-based and compostable solutions for additives and coatings. HSMG licenses a range of manufacturers – of quick service wraps, cups, molded fiber, etc. – around the world to use PROTĒAN barriers.

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HSMG LLC, a Greentech Global Pte. Ltd. company, develops and licenses their patented additive and barrier coating platform technology, PROTĒAN®, to paper and packaging manufacturers and specialty chemical companies. They offer water-resistant and/or oil- and grease-resistant alternatives to plastic coatings and fluorochemicals in a broad range of cellulose-based single use products. To learn more, please visit: www.hsmgrp.com.