

BreezeBond™

SUB-LICENSING OPPORTUNITY

**Potential \$10 billion per year disruptive green technology BreezeBond™:
Novel family of water-based hot-press wood adhesives for a sustainable future**

Market potential:

We forecast a disruptive \$10 billion per year market opportunity for BreezeBond™ to replace Urea Formaldehyde (UF) and other petrochemical-based wood panel (plywood, medium density fiberboard, and particleboard) resins. Users of formaldehyde-based resins face pressure from governments and customers to switch to a green adhesive like BreezeBond™: an odorless, renewable soy-based adhesive offering a cost-competitive alternative.

About BreezeBond™:

Introducing BreezeBond™ by Specialty Organics, a groundbreaking water-based, soy-derived adhesive designed to transform the landscape of interior-rated wood panel manufacturing.

Years of research have led to our patented, no-added-formaldehyde (NAF) wood-based panel hot press adhesive, which also uses little or no traditional petroleum derived crosslinking agents, depending on the application. The core of our formulation is a breakthrough process where the soy flour's amino acid groups are modified to add functionality, mimicking the adhesive properties of natural proteins such as those found in barnacles, sea mussels, or other sticky materials like spider webs.

Advantages at a glance:

- ✓ **Single component:** A user-friendly adhesive with an optional trace additive blended in before use.
- ✓ **Cost-effective transition:** Panel manufacturers may have little or no need for costly capital investments to switch from traditional adhesives.
- ✓ **Sustainability:** Sourced from abundant ingredients such as renewable soybeans and devoid of added formaldehyde with little or no petroleum-based ingredients.
- ✓ **Extended shelf life:** An application-ready liquid storage lifespan of up to 3 months, far surpassing other soy-based hot press adhesives.
- ✓ **Environmentally friendly:** Biodegradable, facilitating potential composting of forest products at the end of their lifecycle.



SPECIALTY ORGANICS, INC.
A Diversified Chemical Company

Sub-licensee opportunity:

We're seeking chemical and resin manufacturing companies interested in investing in our patented and proven sustainable wood-based panel adhesive technology, BreezeBond™. This collaborative venture offers a sub-license agreement for manufacturing BreezeBond™, an innovative technology already undergoing advanced technical trials with multiple large global furniture manufacturers and wood panel manufacturers. There's also keen interest from wood-based panel distributors in selling panels made with our odorless and regulatory-compliant resin. This family of adhesives addresses the needs of commercial architects striving to enhance indoor air quality in sustainable green buildings.

We're particularly interested in partnering with companies equipped with soy-based resin manufacturing and distribution capabilities. Join us in shaping the future of sustainable wood panel solutions.

Technical Support:

Our experienced team of technical chemists and chemical engineers is ready to assist your company in sourcing all necessary raw materials, optimizing manufacturing parameters, and customizing the formulation to meet your specific customer requirements.

A Confidential Information Memorandum is available for potential sub-licensees after signing a Non-Disclosure Agreement. To obtain the NDA, please send a request to admin@soichem.com.