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Products

OPXBIO is leading the sustainable transformation of the business of chemistry by developing and commercializing cost-effective, bio-based chemical products. Our product pipeline includes BioAcrylic and Fatty Acids.

BioAcrylic

OPXBIO's first bio-based chemical product is BioAcrylic, a sustainable and affordable direct replacement for petro-acrylic. Petro-acrylic has an existing \$10 billion global market with applications in consumer and industrial applications such as paints, adhesives, diapers and detergents. We have collaborated with The Dow Chemical Company, the largest U.S. producer of petro-acrylic, to complete the development of a commercially-viable BioAcrylic process using renewable sugar feedstock and to confirm our BioAcrylic quality and performance. We have scaled up our bioprocess to pre-commercial demonstration scale and anticipate having the first commercial scale BioAcrylic plant operational by 2017/18.

Fatty Acids

OPXBIO's fatty acid products are produced directly from the fermentation process using its proprietary biological pathway that produces fatty acids and derivatives with high chain-length specificity and chemical functionality. Most natural fatty acid products are produced from natural oils from, for example, palm, palm kernel oil or coconut oils. OPXBIO is developing a series of value-added fatty acid products that are not produced in nature such as branched chain, odd chain, unsaturated molecules or with specific functionality. In addition, we are developing processes to make short chain fatty acids with high chain length specificity such as caproic, caprylic and capric acids that are made only in limited quantities in palm kernel and coconut oils yet have many beneficial properties that have not been fully exploited because of their limited availability and high cost. Markets of interest include personal care products, flavors and fragrances, cleaning products, lubricants and oil field chemicals. Our fatty acid process enables these desirable products to be produced in the quantities needed to satisfy market demand, at a cost competitive with similar products. OPXBIO anticipates commercial quantities of specific fatty acid products will be available in 2016



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Exciting news for us here at OPXBIO – last night we learned we made it onto the 2013 Global Cleantech ...

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