**Biorefinery Products: Global Markets**

**Description:**
- A complete techno-economic and environmental analysis of industrial biorefinery products
- Analyses of global market trends, with data from 2015, estimates for 2016, and projections of compound annual growth rates (CAGRs) through 2021
- Breakdowns of product demand by division, including energetic (ethanol, biodiesel, electricity/heat), nonenergetic (chemicals, materials, herbal/botanicals); and by segment, including fuel (transport, mechanical, etc.), energy (heat, electricity), material (plastics, resins), chemical (alcohols, solvents, acids, surfactants, etc.), and herbal/botanical (drugs, body care, aroma, etc.)
- Forecasts for biomass conversion processes and equipment to produce fuels, power, and chemicals from biomass
- Evaluations of the prospects for biorefineries built on different "platforms," such as the "sugar platform," based on fermentation of sugars extracted from biomass feedstocks, versus the "syngas platform," based on thermochemical conversion processes
- Detailed patent analysis and a research-and-development update
- Profiles of major players in the industry

**Report Scope**

This research report quantifies the two categories of energetic and non-energetic bioproducts into seven major product segments: bio-derived chemicals, biofuels, pharmaceuticals (biodrugs and herbal/botanicals), biocomposite materials, biopolymers/bioplastics, biogas and biopower.

- The report is divided in 14 chapters. Chapter Two contains the demand by category with forecast to 2021.
- Chapter Three presents an overview that defines and quantifies biorefinery products and assesses market trends and categories/segments with a forecast to 2021.
- Chapter Four presents the history, opportunity and penetration of bio-products with a forecast to 2021.
- Chapter Five presents the demand for energetic bioproducts and analyzes the market for biofuels, biogas and wood pellets, with regional breakdowns and forecasts to 2021.
- Chapter Six presents the demand for non-energetic bioproducts and analyzes the market for chemicals, pharmaceuticals and biomaterials. These are quantified by type, with regional breakdowns and forecasts to 2021.
- Chapter Seven considers the applications of bioproducts and quantifies the demand in up to 11 key markets, and offers forecasts to 2021.
- Chapter Eight considers the technology and quantifies demand by type of technology used for the conversion of biomass to bioproducts, and offers forecasts to 2021.
- Chapter Nine presents the product development in the chemical, pharmaceutical, materials, power and fuel sectors, which will enable utilization of the 170 billion tons of biomass that Earth's biology produces every year.
- Chapter Ten presents an analysis of the industry structure, showing how each market segment will interact over the next five years to 2021, including the macroeconomic factors that affect the global economy.
- Chapter Eleven presents the international aspects, including market leadership. It also quantifies international trade in bioproducts with a forecast to 2021.
- Chapter Twelve presents the market shares of the major companies involved in the manufacture of biobased products, and discussed these companies and products.
- Chapter Fourteen presents company product profiles and identifies the various companies involved in the manufacture of these products.
- Chapter Fifteen analyzes the regulatory environment of the biorefinery industry.

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