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The Global Market for Biochemical Feedstocks and Intermediates 2024-2034

https://marketpublishers.com/r/G422AABC2D92EN.html
Date: August 2023
Pages: 405
Price: US$ 1,250.00 (Single User License)
ID: G422AABC2D92EN

Abstracts

In the transition to a circular economy, chemicals and materials produced from biomass are playing a critical role. Biobased feedstocks and intermediates can be converted to a wide range of marketable products using thermal, biological and chemical processes. Feedstocks are typically fractionated/processed into key intermediates that serve as the platform for further specific processing and conversion into the final marketable products, e.g. fuels and chemicals.

The Global Market for Biochemical Feedstocks and Intermediates 2024-2034 provides a comprehensive overview of the global biochemicals industry. It covers key feedstocks like plant-based sources (starch, sugar crops, lignocellulose, oils), waste streams (food, agricultural, forestry, municipal), and microbial & mineral sources. Production pathways analyzed include biochemical, thermochemical, chemical/catalytic conversion and hybrid processes. Major intermediate platform chemicals are profiled based on sources, applications and global production volumes. End use markets examined include biofuels, bioplastics, solvents, lubricants, surfactants, pharmaceuticals, food additives and personal care.

The report also profiles 102 global producers of biochemicals and intermediates. Companies profiled include Algenol, Avantium, Bloom Biorenewables SA, Dispersa, Genomatica, LanzaTech, Novozymes, UPM, and Viridis Chemical. Key market drivers, trends and challenges are also analyzed. The report provides market size forecasts from 2018-2034.

Report contents include:

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Overview of the global biochemicals market

Definition, scope, size

Key drivers and trends

Challenges and restraints

Competitive landscape

Global production volumes and forecasts

Feedstocks for Biochemicals

Types of biorefineries

Plant-based (starch, sugar crops, lignocellulose, oils etc.)

Waste-based (food waste, agricultural waste, forestry waste etc.)

Microbial and mineral sources

Carbon dioxide and other gaseous sources

Biochemical Production Pathways

Biochemical (fermentation, enzymatic catalysis)

Thermochemical (gasification, pyrolysis etc.)

Chemical/catalytic conversion (cracking, esterification etc.)

Hybrid processes

Key Intermediates and Platform Chemicals

Profiles of major intermediates by source, application, global production

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