

The Global Biobased Chemicals and Materials Market Report 2022

<https://marketpublishers.com/r/GBE3E0FF55AFEN.html>

Date: February 2022

Pages: 865

Price: US\$ 2,250.00 (Single User License)

ID: GBE3E0FF55AFEN

Abstracts

The Global Biobased Chemicals and Materials Market Report 2022 provides an 865 page in-depth analysis of how biomass based solutions are utilized in the manufacture of bulk, fine and specialty chemicals, plastics, polymers and fuels. Building new value chains through the utilisation of bio-based and biomass components for the development of innovative products will accelerate the transition from traditional production technologies to the concept of biorefineries. Developing bio-based chemicals, polymers and products in a sustainable manner allows for substantial new business opportunities.

The report covers production methods, production capacities, biorefineries, bio-based chemicals, bioplastics, biopolymers and biobased fuels with profiles of over 600 producers and product developers. The global opportunities offered by the transition to a more sustainable, low waste economy are vast, and the last decade has seen a substantial increase in interest in bio-based chemicals with many drop-in or novel bio-based chemicals being developed and introduced to the market.

Report contents include:

Market trends and drivers.

Market challenges

Market analysis including key players, end use markets, production processes, costs, production capacities, market demand.

Industry developments 2020-2022.

Analysis of bio-based chemical including 11-Aminoundecanoic acid (11-AA), 1,4-Butanediol (1,4-BDO), Dodecanedioic acid (DDDA), Epichlorohydrin (ECH), Ethylene, Furan derivatives, 5-Chloromethylfurfural (5-CMF), 2,5-Furandicarboxylic acid (2,5-FDCA), Furandicarboxylic methyl ester (FDME), Isosorbide, Itaconic acid, 5 Hydroxymethyl furfural (HMF), Lactic acid (D-LA), Lactic acid – L-lactic acid (L-LA), Lactide, Levoglucosenone, Levulinic acid, Monoethylene glycol (MEG), Monopropylene glycol (MPG), Muconic acid, Naphtha, 1,5-Pentametylenediamine (DN5), 1,3-Propanediol (1,3-PDO), Sebacic acid and Succinic acid.

Analysis of synthetic biopolymers market including Polylactic acid (Bio-PLA), Polyethylene terephthalate (Bio-PET), Polytrimethylene terephthalate (Bio-PTT), Polyethylene furanoate (Bio-PEF), Polyamides (Bio-PA), Poly(butylene adipate-co-terephthalate) (Bio-PBAT), Polybutylene succinate (PBS) and copolymers, Polyethylene (Bio-PE), Polypropylene (Bio-PP)

Analysis of naturally produced bio-based polymers including Polyhydroxyalkanoates (PHA), Polysaccharides, Microfibrillated cellulose (MFC), Cellulose nanocrystals, Cellulose nanofibers, Protein-based bioplastics, Algal and fungal.

Analysis of the markets for natural fibers and lignin.

Market analysis of biofuels, bio-jet fuels, biodiesel, renewable diesel, biogas, electrofuels, green ammonia and other relevant technologies.

Over 600 company profiles including NatureWorks, Total Corbion, Danimer Scientific, Novamont, Mitsubishi Chemicals, Indorama, Braskem, Avantium, Borealis, Cathay, Dupont, BASF, Arkema, DuPont, BASF, AMSilk GmbH, Notpla, Loliware, Bolt Threads, Ecovative, Kraig Biocraft Laboratories, Spiber, Bast Fiber Technologies Inc., Kelheim Fibres GmbH, BComp, Circular Systems, Evrnu, Natural Fiber Welding, Icytos, Versalis SpA, Clariant, MetGen Oy, Praj Industries Ltd., Bloom Biorenewables SA, FP Innovations, UPM, Klabin SA, RenCom AB, BTG Bioliquids, Byogy Renewables, Caphenia, Enerkem, Infinium. Eni S.p.A., Ensyn, FORGE Hydrocarbons Corporation, Genecis Bioindustries, Gevo, Haldor Topsoe, Steeper Energy, SunFire GmbH, Vertus Energy and many more.

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