

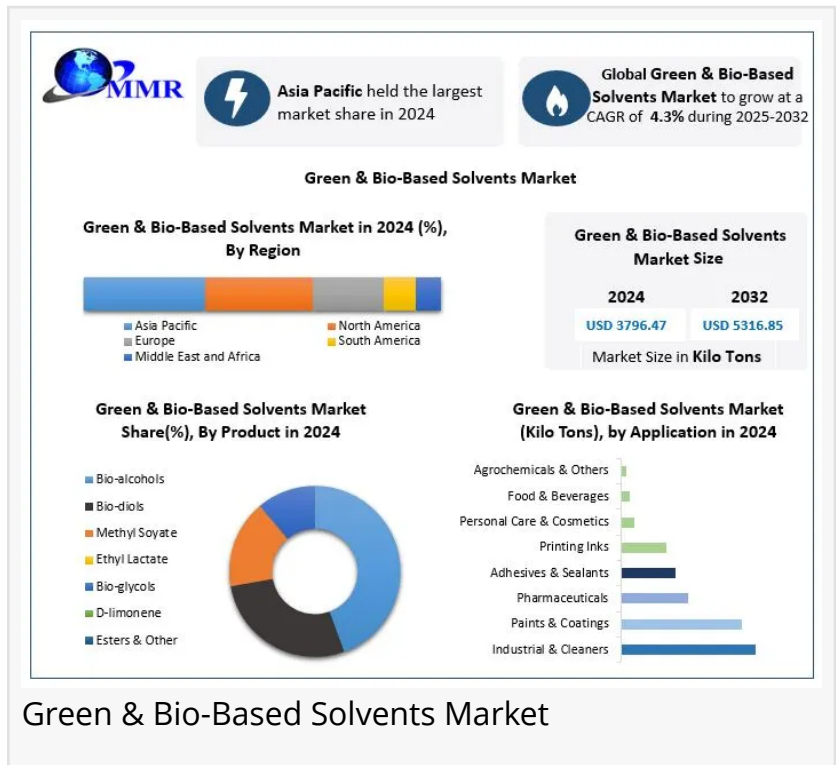
Green & Bio-Based Solvents Market Size Projected to Reach 5316.85 Kilo Tons by 2032, Growth Fueled by Renewable Solvents

Green & Bio-Based Solvents Market is expanding rapidly, driven by rising environmental concerns and increasing adoption of sustainable chemical alternatives.

WILMINGTON, DE, UNITED STATES, November 11, 2025 /

EINPresswire.com/ -- Global [Green & Bio-Based Solvents Market](#) size was valued at USD 3796.47 Kilo Tons in 2024 and is projected to reach approximately USD 5316.85 Kilo Tons by 2032, growing at a CAGR of 4.3%.

Global Green & Bio-Based Solvents Market Overview: Eco-Friendly, Low-VOC, and Renewable Solutions Driving Industrial Innovation and Growth



Global Green & Bio-Based Solvents Market is rapidly advancing as industries adopt eco-friendly

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Rising demand for eco-friendly, low-VOC, and renewable solvents, coupled with industrial innovation and regulatory support, is driving global market growth.”

Dharti Raut

solvents, low-VOC chemical solutions, biodegradable solvents, and renewable chemical technologies. Strong growth across paints & coatings, adhesives & sealants, personal care, and pharmaceutical applications, along with innovations in bio-refinery technologies and sustainable chemical solutions, is reshaping the market. Strategic partnerships, green innovations, and regulatory support are unlocking high-potential opportunities for global industrial adoption and investment.

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Eco-Friendly and Low-VOC Revolution:
Key Drivers Fueling the Global Green & Bio-Based Solvents Market Growth

Global Green & Bio-Based Solvents Market is accelerating as industries embrace eco-friendly, low-VOC, and renewable solvents. Rising adoption across paints and coatings, adhesives and sealants, printing inks, personal care, and pharmaceutical applications, combined with cutting-edge bio-refinery technologies, is reshaping chemical production, boosting sustainability while reducing fossil fuel dependence and environmental impact.

Global Green & Bio-Based Solvents Market Segments Covered	
By Product	Methyl Soyate Ethyl Lactate Bio-alcohols D-limonene Bio-glycols Bio-diols Esters Other
By Applications	Personal Care & Cosmetics Food & Beverages Adhesives & Coatings Paints & Coatings Pharmaceuticals Agrochemicals Printing inks Others
By Region	North America (United States, Canada and Mexico) Europe (UK, France, Germany, Italy, Spain, Sweden, Austria, Turkey, Russia and Rest of Europe) Asia Pacific (China, India, Japan, South Korea, Australia, ASEAN (Indonesia, Malaysia, Myanmar, Philippines, Singapore, Thailand, Viet Nam etc.) and of APAC) Middle East and Africa (South Africa, GCC, Egypt, Nigeria and Rest of ME) South America (Brazil, Argentina, Colombia and Rest of South America)

Challenges Ahead: Key Restraints Slowing the Global Green & Bio-Based Solvents Market Growth

Global Green & Bio-Based Solvents Market faces challenges from fluctuating bio-based solvent raw material costs, including soy, corn, and sugarcane. Additionally, the widespread availability of conventional solvents and substitute chemical solutions may slow adoption, compelling industries to innovate and balance sustainability with cost-effectiveness in eco-friendly chemical applications.

Unlocking Growth: Emerging Opportunities in the Global Green & Bio-Based Solvents Market

Global Green & Bio-Based Solvents Market is witnessing growing opportunities as rising health and hygiene concerns boost demand for bio-based solvents in industrial cleaning, personal care, and pharmaceuticals. Coupled with Asia Pacific green solvents market growth, regulatory support, and consumer awareness, the shift toward low-VOC, biodegradable, and renewable solvents drives innovation in sustainable chemical solutions and eco-friendly product development.

Dominating Applications and Leading Products Driving the Global Green & Bio-Based Solvents Market Growth

Global Green & Bio-Based Solvents Market is led by the Paints & Coatings application segment, holding over 43% of market share, fueled by growing demand for eco-friendly, low-VOC, and

renewable solvents. Key products such as Methyl Soyate, Ethyl Lactate, bio-alcohols, D-limonene, and bio-glycols are widely adopted across personal care, adhesives and sealants, printing inks, pharmaceuticals, and industrial cleaning. Innovations in sustainable chemical solutions, biodegradable solvents, and zero-VOC formulations are driving global market growth and investment opportunities.

Feel free to request a complimentary sample copy or view a summary of the report @ <https://www.maximizemarketresearch.com/request-sample/60125/>

Transforming the Future: Key Trends Driving Growth in the Global Green & Bio-Based Solvents Market

Revolution in Low-VOC Formulations: The growing demand for eco-friendly, low-VOC solvents is transforming chemical production, enhancing worker safety, and meeting strict global environmental regulations.

Surge in Agricultural Feedstocks: Increasing reliance on soy, corn, and sugarcane-based bio-based solvents boosts renewability, reduces petrochemical dependency, and drives sustainable industrial applications.

Advancements in Biorefinery Technologies: Advance catalytic and enzymatic processes improve efficiency, scalability, and product purity, enabling innovation in sustainable chemical solutions and biodegradable solvents.

Innovation and Sustainability in Action: Key Developments Shaping the Global Green & Bio-Based Solvents Market

Licella & Quadris Partnership (March 2025): Integration of Cat-HTR bio-intermediates into bioMSAR™ and bioMSAR Zero™ marine fuels signals innovation in renewable solvents for industrial and maritime applications, with lab-scale engine testing and vessel trials scheduled to showcase eco-friendly chemical solutions.

Elevance Renewable Sciences & Wilmar JV (June 2024): Launch of a world-scale biochemical refinery in Asia leveraging olefin metathesis to produce green olefins, multifunctional esters, acids, and advanced biofuels, highlighting the surge in bio-based solvents from renewable feedstocks.

Cargill Acquisition of Croda's Bio-Industrial Business (Dec 2021): Expansion of bio-based plastics additives, lubricants, and specialty chemicals strengthens global footprint and demonstrates market consolidation and innovation in sustainable chemical solutions.

Avantium RDS Rebranding & R&D Expansion (Oct 2022): Focus on green hydrogen, plastic recycling, adsorption, and sustainable chemical building blocks reflects a strategic shift toward

eco-friendly solvents and advanced renewable technologies.

Huntsman I-BOND PB BIO Resins Launch (May 2025): Introduction of 25% bio-based content resins reduces carbon footprint by ~30%, ensuring full compatibility with existing board manufacturing, underscoring innovation in low-VOC, biodegradable, and renewable solvent applications.

Global Green & Bio-Based Solvents Market Competitive Landscape:

Green & Bio-Based Solvents Market is highly competitive, led by industry leaders Cargill Incorporated, Archer Daniels Midland Company (ADM), and LyondellBasell Industries Holdings B.V., renowned for their bio-based chemical innovation, sustainable chemical solutions, renewable solvents, and low-VOC products. Strategic acquisitions, M&A activities, and expansion of biodegradable solvents, eco-friendly chemical solutions, and green solvent portfolios are driving global market growth and reshaping competitive dynamics.

Regional Insights: How Asia Pacific and North America Are Driving Global Green & Bio-Based Solvents Market Growth

Asia Pacific Global Green & Bio-Based Solvents Market leads globally, driven by government initiatives, rising industrial adoption, and growing consumer demand for eco-friendly solvents, low-VOC chemical solutions, biodegradable solvents, and sustainable chemical products. China emerges as a key producer, while innovations in renewable solvents, green solvent technologies, and sustainable chemical solutions are set to fuel robust market growth and expansion.

North America Global Green & Bio-Based Solvents Market is poised for substantial growth, supported by economic stability, easy availability of raw materials, and strong government incentives. The U.S., as the largest consumer, is investing heavily in renewable solvents, low-VOC products, biodegradable solutions, green chemical innovations, and sustainable chemical technologies, driving increased industrial adoption and market expansion.

Global Green & Bio-Based Solvents Market, Key Players:

North America:

Elevance Renewable Sciences Inc (USA)

Huntsman International LLC (USA)

Archer Daniels Midland Company (USA)

Florida Chemical Company (USA)

Florachem Corporation (USA)

Cargill Inc. (USA)

Myriant Corporation (USA)

Vertec Biosolvents (USA)

Gemtek Products (USA)
DowDuPont (USA)
Gevo Inc (USA)
Bio Brands LLC (USA)
BioAmber Inc (Canada)

Europe:

Merieux NutriSciences (France)
LyondellBasell Industries Holdings B.V (Netherlands)
Cremer Oleo GmbH & Co. KG (Germany)
Merck KGaA (Germany)
Solvay (Belgium)
Corbion (Netherlands)
BASF SE (Germany)
Galactic (Belgium)
Avantium (Netherlands)

Asia-Pacific:

Licella (Australia)

Key Highlights & Insights:

Rapid Market Growth: The Global Green & Bio-Based Solvents Market is expanding due to rising adoption of eco-friendly, low-VOC, biodegradable, and renewable solvents across industrial, personal care, and pharmaceutical sectors.

Dominant Applications: Paints & coatings lead the market with over 43% share, driven by sustainability demand, low-VOC formulations, and renewable solvent adoption.

Leading Products: Key bio-based solvents include Methyl Soyate, Ethyl Lactate, bio-alcohols, D-limonene, and bio-glycols, widely used across multiple industrial and consumer applications.

Emerging Trends: Market trends include low-VOC formulations, increasing reliance on agricultural feedstocks (soy, corn, sugarcane), and advancements in biorefinery technologies for efficiency and purity.

Strategic Developments: Partnerships, joint ventures, acquisitions, and product launches (e.g., Licella & Quadrise, Elevance & Wilmar, Huntsman bio-resins) highlight innovation in renewable and biodegradable solvent solutions.

Regional Insights: Asia Pacific leads the market due to government initiatives and industrial adoption, while North America shows strong growth fueled by raw material availability, technological innovation, and government incentives.

FAQs:

What is the projected size of the Global Green & Bio-Based Solvents Market by 2032?

Ans: Global Green & Bio-Based Solvents Market is projected to reach approximately 5,316.85 Kilo Tons by 2032, growing at a CAGR of 4.3%.

Which regions dominate the Global Green & Bio-Based Solvents Market?

Ans: Asia Pacific leads the market due to government initiatives and industrial adoption, while North America shows substantial growth driven by raw material availability and technological innovation.

What are the key drivers of growth in the Green & Bio-Based Solvents Market?

Ans: Growth is fueled by rising demand for eco-friendly, low-VOC, biodegradable, and renewable solvents across paints & coatings, adhesives, printing inks, personal care, and pharmaceuticals.

Who are the leading companies in the Global Green & Bio-Based Solvents Market?

Ans: Top players include Cargill, ADM, LyondellBasell, Elevance Renewable Sciences, Huntsman, and Licella, recognized for sustainable chemical innovation and renewable solvent solutions.

What are the major trends shaping the Green & Bio-Based Solvents Market?

Ans: Key trends include the shift to low-VOC formulations, surge in agricultural feedstocks like soy and corn, and advancements in biorefinery technologies for sustainable and biodegradable solvents.

Analyst Perspective:

Industry experts observe that the Green & Bio-Based Solvents Market is gaining momentum, driven by the increasing adoption of eco-friendly, low-VOC, and renewable solvents across multiple sectors including industrial, personal care, and pharmaceuticals. Leading players like Cargill, ADM, and LyondellBasell are expanding sustainable chemical solutions, while strategic partnerships and bio-refinery investments signal strong growth potential and promising returns for new entrants.

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