

# Kraft Lignin Products Market, Global Outlook & Forecast 2025-2032

*Global Kraft Lignin Products Market Size was estimated at USD 115 million in 2024 and is projected to reach USD 269 million by 2032, exhibiting a CAGR of 11.0%*

PUNE, MAHARASHTRA, INDIA, April 21, 2025 /EINPresswire.com/ -- [Kraft lignin](#) is a high-purity byproduct extracted during the kraft pulping process used in paper manufacturing. It is known for its high dispersibility and reactivity, making it a versatile raw material in chemical formulations. Kraft lignin products find applications across multiple industries, including adhesives and resins, carbon fiber production, concrete additives, and polymer modifications.

“

The Global Kraft Lignin Products Market Size was estimated at USD 115 million in 2024 and is projected to reach USD 269 million by 2032, exhibiting a CAGR of 11.0% during the forecast period”

*24ChemicalResearch*

□□ Download FREE Sample of this Report @ <https://www.24chemicalresearch.com/download-sample/202499/global-kraft-lignin-s-market-2023-2029-401>

Kraft lignin is a high-purity by-product extracted during the kraft pulping process used in paper manufacturing. It is known for its high dispensability and reactivity, making it a versatile raw material in chemical formulations. Kraft lignin products find applications across multiple industries, including adhesives and resins, carbon fiber production, concrete additives, and polymer modifications.

The worldwide kraft lignin industry is undergoing an amazing shift, changing from being just a by-product of the pulping process to a high-value biomaterial of immense commercial worth. The Global Kraft Lignin Products Market Size was estimated at USD 115 million in 2024 and is projected to reach USD 269 million by 2032, exhibiting a CAGR of 11.0% during the forecast period., boosted by the rising need for renewable substitutes to petro-based products.

Currently, just 2% of the 70 million tons of lignin that are annually produced are commercially utilized, with tremendous opportunities for innovation and revenue streams yet to be tapped. Construction, automotive, and energy storage industries are at the forefront, embracing lignin-derived products such as carbon fibers, bioplastics, and green adhesives to satisfy rigorous environmental mandates, including the EU Green Deal's requirement of 30% bio-content in

construction products. With patent applications increasing 300% since 2018 and industry giants such as Stora Enso and Domtar making significant investments in purification technologies, kraft lignin is no longer a waste stream—it's a circular economy strategic asset. As the world's industries shift toward sustainability, the question is no longer if kraft lignin will be a game-changer, but how soon companies can take advantage of this new biomaterial revolution.

In February 2023, Nippon Paper Industries Co., Ltd. signed a strategic partnership with Sumitomo Corporation and Green Earth Institute Co., Ltd. for the commercial production for the first time ever of cellulosic bioethanol sourced from woody biomass and its conversion into biochemical products in Japan. The partnership was to make use of Japan's abundant forest resources to ensure energy security and self-sufficiency while helping the country achieve building a decarbonized society.

□□ Get the Complete Report & TOC @

<https://www.24chemicalresearch.com/reports/202499/global-kraft-lignin-s-market-2023-2029-401>

### Key Factors Driving Kraft Lignin Industry

- **Growing Demand for Bio-based Alternatives:** As companies become more sustainable, the demand for renewable and bio-based raw materials continues to rise. Kraft lignin, which is based on wood, is a cost-effective, biodegradable substitute for petroleum-derived chemicals used in adhesives, plastics, and coatings. This change is opening up a profitable market for environmentally friendly products in several industrial segments.
- **Expansion in the Construction and Automotive Segments:** The infrastructure and automotive industries are starting to integrate Kraft lignin into products such as concrete admixtures and low-density composites. Its special characteristics support the performance of materials and lower the environmental footprint. As infrastructure expenditure increases worldwide and the emphasis on vehicle weight saving increases, lignin's value as a sustainable additive is developing rapidly.
- **Government Policies and Environmental Regulations:** Stringent environmental laws and international climate targets are forcing industries to cut carbon emissions and transition to cleaner processes. Kraft lignin fits the bill, providing a renewable, less toxic replacement for conventional industrial chemicals. Friendly policies, tax credits, and financing initiatives are driving adoption in manufacturing and energy applications.
- **Lignin Extraction and Processing Technology Developments:** New advances in lignin cleaning and chemical modification have made its quality and performance in final applications much better. These innovations are facilitating the production of high-value products like carbon fibers and bioplastics. Increased process efficiency and scalability are also lowering production costs, making Kraft lignin even more commercially viable.

## Regional Analysis

The Asia-Pacific region is leading the Kraft lignin market today due to high industrialization, booming pulp and paper sectors, and growing demand for eco-friendly materials in nations such as China, India, and Indonesia. As per recent market reports, Asia-Pacific had accounted for the highest share in the global Kraft lignin during 2024, with China being a prominent producer and consumer. In Europe, stringent environmental laws and robust government backing for bio-based industries are driving Kraft lignin demand in green building materials and high-performance composites. The market for kraft lignin is seeing increased strategic investment as Europe's €2.1B Bio-Based Industries Joint Undertaking (BBI-JU) programme aggressively funded 17 valorisation projects for lignin since 2020, stimulating commercial-scale take-up. Germany, Sweden, and Finland are at the forefront of R&D and commercialization activities. In contrast, North America is experiencing steady growth, driven by increasing investments in renewable chemicals and energy applications, with the U.S. emphasizing lignin conversion to value-added products such as biofuels and resins. Middle East & Africa and Latin America register rising prospects, most notably for bioenergy development and sustainable infrastructure projects.

## Competitive Scenario

The global Kraft lignin market is experiencing fierce competition as firms scramble to create value-added applications and gain market dominance. Stora Enso, the leader in lignin-based solutions, has introduced Lignode, a bio-based carbon material for battery applications, taking the lead in the electric vehicle revolution. At the same time, Borregaard maintains leadership in the high-purity lignin market with its Vanispire series, addressing pharmaceuticals and fragrances, where it enjoys premium prices of up to 4,200/ton. In North America, Domtar has allied with Mondi Group to expand lignin-based adhesives, focusing on the 12 billion sustainable packaging market.

Asian producers like Suzano are pursuing a volume-led strategy by creating affordable lignin-PLA blends that are 30% cheaper than traditional plastics, while Nippon Paper focuses on lignin-based dispersants for agrochemicals. Companies including Lignolix (USA) and Bloom Bio Renewables (Switzerland) are disrupting the sector with new extraction technologies that reduce production costs by 40%.

To remain ahead, top companies are spending lavishly on R&D (patent applications up 300% since 2018) and strategic partnerships—MetGen Oy's partnership with Sappi to create lignin-based resins for wind blade applications is a prime example of this phenomenon. When sustainability regulations become more stringent, vertically integrated companies (from pulp mills to bio refineries) and diversifying into niche segments (e.g., lignin-based 3D printing resins) will be best positioned to dominate this \$1.2 billion biomaterial revolution.

□□ Get the Complete Report & TOC @

## Global Kraft Lignin Products: Market Segmentation Analysis

This report provides a deep insight into the global Kraft Lignin Products market, covering all essential aspects. This includes macro market trends, micro details of market size, competitive landscape, development trends, key drivers and challenges, SWOT analysis, and value chain analysis. The insights help stakeholders shape competitive strategies and assess market positioning effectively.

### Market Segmentation (by Application)

- Adhesives and Resins
- Binders
- Carbon Fiber Production
- Concrete Additives
- Dispersants
- [Polymer Modifiers](#)
- Fertilizers and Soil Additives
- [Coatings and Paints](#)
- Energy Storage Materials
- Animal Feed Additives
- Other Applications

### Market Segmentation (by Type)

- Softwood Kraft Lignin
- Hardwood Kraft Lignin
- Unmodified Kraft Lignin

- Modified Kraft Lignin

## Key Companies

- Stora Enso

- Ingevity Corporation

- UPM

- Domtar Corporation

- Suzano

- West Fraser

- Borregaard

- Domsjö Fabriker

- Nippon Paper Industries

- Asian Lignin Manufacturing Pvt. Ltd.

## Geographic Segmentation

- North America (United States, Canada, Mexico)

- Europe (Germany, France, United Kingdom, Italy, Spain, Rest of Europe)

- Asia-Pacific (China, India, Japan, South Korea, Australia, Rest of APAC)

- Middle East and Africa (Middle East, Africa)

- South and Central America (Brazil, Argentina, Rest of SCA)

□□ Get the Complete Report & TOC @

<https://www.24chemicalresearch.com/reports/202499/global-kraft-lignin-s-market-2023-2029-401>

## FAQ

01. What is the current market size of Kraft Lignin Products?

Global Kraft Lignin Products Market Size was estimated at USD 115 million in 2024 and is projected to reach USD 269 million by 2032, exhibiting a CAGR of 11.0%

02. Which are the key companies operating in the Kraft Lignin Products market?

Major players include Stora Enso, Ingevity Corporation, UPM, Domtar, Suzano, West Fraser, Borregaard, Nippon Paper Industries, among others.

03. What are the key growth drivers in the Kraft Lignin Products market?

The market is driven by increasing demand for bio-based chemicals, R&D in lignin modification, and expansion in end-use industries.

04. Which regions dominate the Kraft Lignin Products market?

North America leads with 35% market share, followed by Europe and Asia-Pacific.

05. What are the emerging trends in the Kraft Lignin Products market?

Growing investments in sustainable lignin-based applications

Expansion of lignin-based biochemicals in adhesives, coatings, and polymer industries

Advancements in carbon fiber production using modified kraft lignin

Growing investments in sustainable lignin-based applications

Expansion of lignin-based biochemicals in adhesives, coatings, and polymer industries

Advancements in carbon fiber production using modified kraft lignin

☐☐Get the Complete Report & TOC @

<https://www.24chemicalresearch.com/reports/202499/global-kraft-lignin-s-market-2023-2029-401>

Table of content

1 Introduction to Research & Analysis Reports

1.1 Kraft Lignin Products Market Definition

1.2 Market Segments

1.2.1 Market by Type

1.2.2 Market by Application

- 1.3 Global Kraft Lignin Products Market Overview
- 1.4 Features & Benefits of This Report
- 1.5 Methodology & Sources of Information
  - 1.5.1 Research Methodology
  - 1.5.2 Research Process
  - 1.5.3 Base Year
  - 1.5.4 Report Assumptions & Caveats
- 2 Global Kraft Lignin Products Overall Market Size
  - 2.1 Global Kraft Lignin Products Market Size: 2022 VS 2029
  - 2.2 Global Kraft Lignin Products Revenue, Prospects & Forecasts: 2018-2029
  - 2.3 Global Kraft Lignin Products Sales: 2018-2029
- 3 Company Landscape
  - 3.1 Top Kraft Lignin Products Players in Global Market
  - 3.2 Top Global Kraft Lignin Products Companies Ranked by Revenue
  - 3.3 Global Kraft Lignin Products Revenue by Companies
  - 3.4 Global Kraft Lignin Products Sales by Companies
  - 3.5 Global Kraft Lignin Products Price by Manufacturer (2018-2023)
  - 3.6 Top 3 and Top 5 Kraft Lignin Products Companies in Global Market, by Revenue in 2022
  - 3.7 Global Manufacturers Kraft Lignin Products Product Type
  - 3.8 Tier 1, Tier 2 and Tier 3 Kraft Lignin Products Players in Global Market
    - 3.8.1 List of Global Tier 1 Kraft Lignin Products Companies
    - 3.8.2 List of Global Tier 2 and Tier 3 Kraft Lignin Products Companies
- 4 Sights by Product
  - 4.1 Overview

☐☐Get the Complete Report & TOC @

<https://www.24chemicalresearch.com/reports/202499/global-kraft-lignin-s-market-2023-2029-401>

Methanesulfonic Acid Market : <https://www.24chemicalresearch.com/reports/200970/global-methanesulfonic-acid-market-2023-2029-697>

Thioglycolic Acid (TGA) Market : <https://www.24chemicalresearch.com/reports/225089/global-thioglycolic-acid-market-2023-2030-621>

Sulphur Market: <https://www.24chemicalresearch.com/reports/291053/global-sulphur-forecast-market-2025-2032-307>

2,4,6-Tribromophenol (TBP) Market:

<https://www.24chemicalresearch.com/reports/291097/global-tribromophenol-forecast-market-2025-2032-558>

Ishan Barsaiyan

24ChemicalResearch

+91 91691 62030

[email us here](#)

Visit us on social media:

[LinkedIn](#)

---

This press release can be viewed online at: <https://www.einpresswire.com/article/805260502>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.