

Process Oil Market by Type (Aromatic, Paraffinic, Naphthenic, Non-carcinogenic), Function (Extender Oil, Plasticizer, Solvent, Defoamer), Production Technology (Convention Route, Gas to Liquid, Bio-based), Application, and Region-Global Forecast to 2029

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Abstracts

The global process oil market is projected to grow from USD 5.2 billion in 2024 to USD 5.6 billion by 2029, at a CAGR of 1.6% during the forecast period. The process oil market is poised for significant expansion, driven by its diverse applications across various industries. Key sectors fueling this growth include tire and rubber manufacturing, polymers, personal care products, and textiles, among others. The versatility of process oils in enhancing the performance and quality of these products is a major factor contributing to the increasing demand.

“Polymer segment, by application, is estimated to account for the second largest segment during the forecast period.”

Polymer applications is accounted for the second largest during the forecast period, in terms of value. Process oils are used in the polymer sector as plasticizers, catalyst carriers, extender oils, mould release agents, and pigment dispersion agents. These oils increase the wetting qualities of plastics, allowing them to be utilised on a wider range of substrates and producing a more flexible plastic.

“Non-carcinogenic segment, by type, is estimated to account for the second largest segment during the forecast period.”

The non-carcinogenic sector ranked as the second largest segment in terms of value during the forecast period. Non-carcinogenic process oils are essential in enhancing the performance characteristics of tires, specifically by improving abrasion resistance and reducing rolling resistance. These process oils are crucial for tire manufacturers, who utilize them to produce Styrene-Butadiene Rubber (SBR), a key material in the tire industry. By using non-carcinogenic process oils, manufacturers can meet safety and environmental standards while delivering high-quality, durable tires.

“Based on function, plasticizer segment is the second largest market segment during the forecast period“

plasticizers emerged as the second largest segment in the market in terms of value. These low-molecular-weight compounds are integral to enhancing the flexibility and plasticity of polymer solutions. By incorporating plasticizers, the efficiency and effectiveness of polymer solutions used for film coating are significantly improved, leading to superior end-product quality. Additionally, plasticizers play a crucial role in the rubber manufacturing process, contributing to the production of more durable and flexible rubber products. Their widespread application across various industries underscores their importance in modern manufacturing and material science.

“North America region is estimated to account for the second largest region during the forecast period.”

In terms of value and volume, North America is the second largest process oil market during the forecast period. The North American process oil market is predicted to develop slowly, since end-use sectors such as rubber and polymer have matured in the area. However, naphthenic and paraffinic process oils are commonly utilised by tyre OEMs in the United States, where big refineries generating naphthenic products are located.

Profile break-up of primary participants for the report:

By Company Type: Tier 1 – 65%, Tier 2 – 20%, and Tier 3 – 15%

By Designation: C-level– 25%, Director Level– 30%, and Others – 45%

By Region: North America – 30%, Europe – 20%, Asia Pacific – 40%, Middle East & Africa– 7% , South America – 3%,

Major companies in the process oil market include Shell (UK), ExxonMobil (US), Indian Oil Corporation Limited (India), TotalEnergies (France), PETRONAS Group (Malaysia), Hindustan Petroleum Corporation Limited (India), Repsol (Spain), Idemitsu Kosan Co., Ltd (Japan), Nynas AB (Sweden), Panama Petrochem Ltd (India), Apar Industries (India), Hollyfrontier Refining & Marketing LLC (US), and Gandhar Oil Refinery Limited (India).

Research Coverage:

The report defines, projects, and segments the process oil market based on process oil by type, function, application, production technology, and region. It provides detailed information regarding the major factors influencing the growth of the market, such as drivers, restraints, opportunities, and challenges. It strategically profiles, process oil manufacturers and comprehensively analyses their market shares and core competencies as well as tracks and analyzes competitive developments, such as joint ventures, expansions, acquisitions, and agreements, undertaken by them in the market.

Reasons to Buy the Report:

The report is expected to help the market leaders/new entrants in the market by providing them the closest approximations of revenue numbers of the process oil market and its segments. This report is also expected to help stakeholders obtain an improved understanding of the competitive landscape of the market, gain insights to improve the position of their businesses, and make suitable go-to-market strategies. It also enables stakeholders to understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (increasing demand and consumption of process oil with rapid industrialization and urbanization in emerging economies, and Growing tire manufacturing industry across the globe), restraints (implementation of the European Union directive 2005/69/EC banning use of polycyclic aromatic hydrocarbons in tire manufacturing, Increased use of soybean oil as alternative for process oils in tire manufacturing), opportunities (increasing demand for green process oils across the globe), and challenges (fluctuating price of crude oil) influencing the growth of the process oil market.

Product Development/Innovation: Detailed insights on research & development

activities, and upcoming technologies in the process oil market.

Market Development: Comprehensive information about lucrative markets – the report analyses the process oil market across various regions.

Market Diversification: Exhaustive information about new products, various types, recent developments, untapped geographies, and investments in the process oil market.

Competitive Assessment: In-depth assessment of market shares, growth strategies and product offerings of leading players such as ExxonMobil (US), Shell (UK), TotalEnergies (France), Idemitsu Kosan Co., Ltd. (Japan), and Petroliam Nasional Berhad (PETRONAS) (Malaysia), and in the process oil market.

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