

Fluorosurfactant - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

Market Report | 2024-02-17 | 120 pages | Mordor Intelligence

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Report description:

The Fluorosurfactant Market size is estimated at USD 704.12 million in 2024, and is expected to reach USD 912.43 million by 2029, growing at a CAGR of greater than 5% during the forecast period (2024-2029).

The fluorosurfactant market was negatively impacted by the COVID-19 pandemic as there was a slowdown in production and mobility wherein industries, such as paints and coatings, detergents, etc., were forced to delay their production due to containment measures and economic disruptions. Currently, the market has recovered from the pandemic. The market reached pre-pandemic levels in 2022 and is expected to grow steadily in the future.

The fluorosurfactant market is expected to grow during the forecast period owing to the increasing demand from the paints and coatings industry.

On the flip side, higher price when compared to hydrocarbon and silicone-based surfactants, is hindering the market growth.

Further, the use of fluorosurfactants in electronic coatings, owing to their high stability to aggressive chemicals, high dielectric strength, etc., is predicted to generate a market opportunity during the forecast period.

Asia-Pacific region dominates the market across the globe, with the largest consumption from countries such as China, India, and Japan.

Fluorosurfactant Market Trends

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Growing Demand from the Paints and Coatings Industry

- Fluorosurfactants are amphiphilic molecules that have hydrophobic and hydrophilic parts. The hydrophobic tail is a fluorocarbon, and the hydrophilic part is characterized based on charge.
- Surfactants, often called surface-active agents, lower the surface tension between a liquid and a gas, or between a liquid and a solid, or between two immiscible phases. This lowers the surface tension of a coating, thus offering a smoother and excellent finish.
- Fluorosurfactant improves pigment and substrate wetting and leveling characteristics and provides high open time. Because of the high electronegativity of fluorine and the highly stable bond between fluorine and carbon atoms, fluorosurfactants are more stable, suitable for various conditions, and are more favored than other surfactants.
- In the United States, according to the US Census Bureau, the value of private construction in 2022 stood at USD 1,434.2 billion, 11.7% higher than USD 1,279.5 billion in 2021. Residential construction spending in 2022 was USD 899.1 billion, up 13.3% from USD 793.7 billion in 2021. Thus, the growing construction activities are anticipated to fuel the market growth.
- Further, China's paints and coating industry has outperformed the rest of the world in terms of volume growth over the last 30 years. Rapid urbanization during this time has boosted the domestic architectural coating sector to new heights owing to increasing construction activities.
- According to the National Bureau of Statistics of China, China's construction output peaked in 2022 at a value of about CNY 31.20 (~USD 4.61 trillion). As a result, these factors tend to increase the market demand.
- Moreover, Germany has the largest construction industry in Europe. The country's construction industry has been growing slowly, which is majorly driven by the increasing number of new residential construction activities. The country is home to the continent's largest building stock and is expected to continue in the foreseeable future. Germany aims to have an almost climate-neutral building stock by 2050 as part of its ongoing transition to a sustainable energy system.
- Owing to all the factors mentioned above, its market is expected to grow rapidly over the forecast period.

Asia-Pacific Region to Dominate the Market

- Asia-Pacific region is expected to dominate the market for fluorosurfactants during the forecast period due to an increase in demand from countries like China, India, and Japan.
- Fluorosurfactants are widely used in the paints and coatings industry. The increase in demand for paints and coatings in building and construction in the Asia-Pacific region is expected to drive the market.
- China hosts a vast construction sector owing to the rising demand from e-commerce, office space requirements, etc. This has resulted in increased commercial construction in China. For example, China is one of the leading countries concerning the construction of shopping centers. China has almost 4,000 shopping centers, while 7,000 more are estimated to be open by 2025. Thereby supporting the market growth during the forecast period.
- Furthermore, India is expanding its commercial sector. Several projects have been going on in the country. For instance, the CommerzIII Commercial Office Complex construction worth USD 900 million started in Q1 2022. The project involves the construction of a 43-story commercial office complex with a permissible floor area of 2,60,128 square meters in Goregaon, Mumbai. The project is expected to be completed in Q4 2027, thus benefitting the market growth during the forecast period.
- Apart from paints and coatings, fluorosurfactants are widely used in the oil and gas sector. According to the Ministry of Petroleum and Natural Gas (India), the production volume of petroleum products in the country was more than 254.3 million metric tons in 2022, reflecting an increase of more than 8% compared to 233.5 million metric tons in 2021. This, in turn, is likely to support the market growth.
- All the factors mentioned above are likely to fuel the growth of the Asia-Pacific fluorosurfactants market over the forecast period.

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Fluorosurfactant Industry Overview

The fluorosurfactant market is partially fragmented in nature. The major players in the studied market (not in any particular order) include 3M, Innovative Chemical Technologies, DIC CORPORATION, The Chemours Company, and Alfa Chemicals, among others.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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