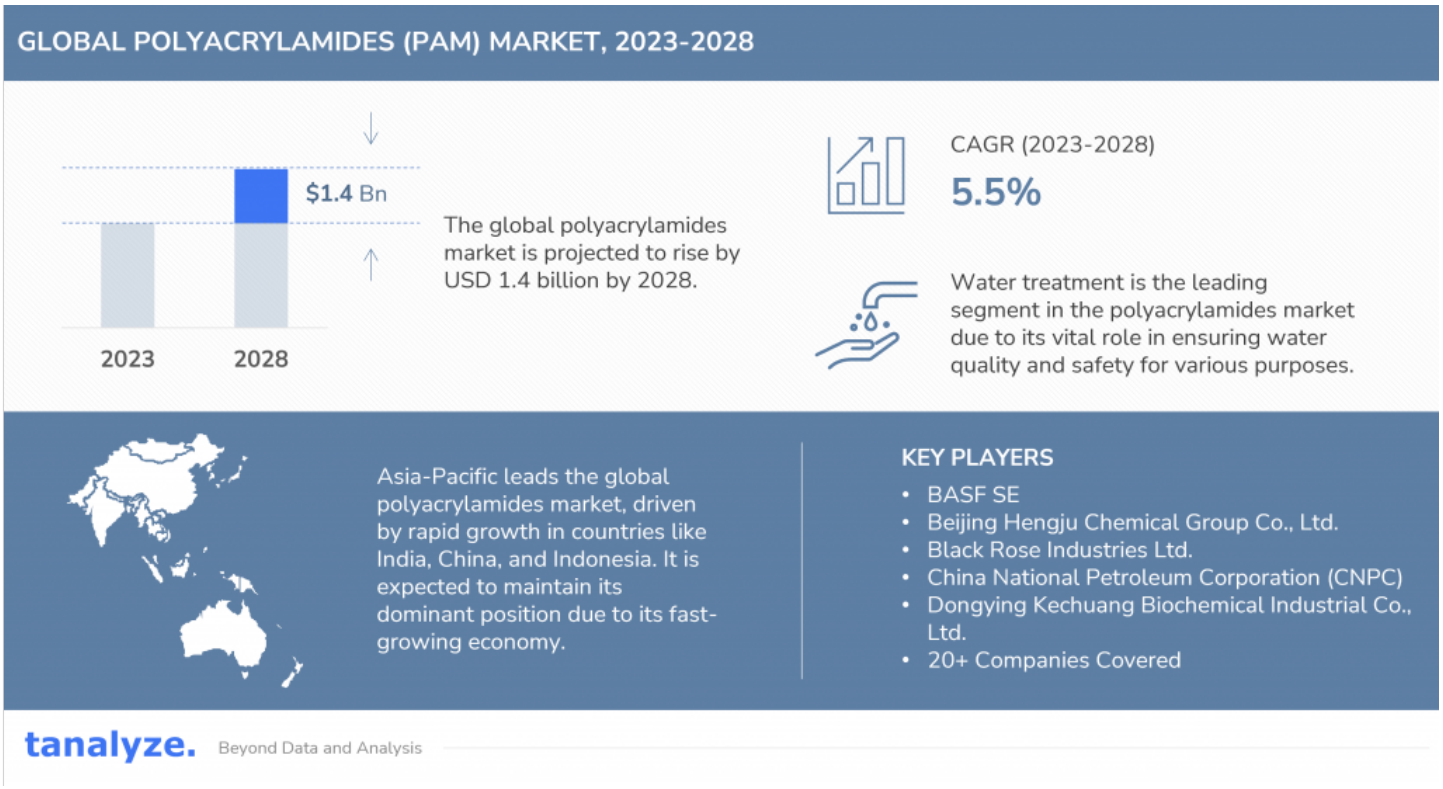
Polyacrylamides Market Set to Grow, Projected to Hit $5.9B Value by 2028 - Tanalyze

Tanalyze: Polyacrylamide Market to See Steady Growth Through 2028 - CAGR Forecast at 5.5%, Reaching $5.9B as Demand Rises in Oil & Gas, Wastewater Treatment, Mining, Paper, and Other Key Industries



Beijing, China Aug 25, 2023 (Issuewire.com) - A new report by Tanalyze projects continued expansion in the global polyacrylamides market over the next five years. The report forecasts the market will grow at a compound annual growth rate of 5.5% from 2023 to 2028, reaching an estimated value of $5.9 billion by the end of the period. The comprehensive research examines key polyacrylamide (PAM) product segments including anionic, cationic, and nonionic varieties across major end-use sectors and regions. Asia-Pacific is expected to contribute the largest share of revenues, driven by mining, oil and gas, and water treatment applications.

Market Overview
The global polyacrylamides market is expected to increase by USD 1.4 billion, at a compound annual growth rate (CAGR) of 5.5% from 2023 to 2028, according to the latest edition of the Global Polyacrylamides Market Report. Polyacrylamide (PAM) is a highly versatile water-soluble polymer that is derived from acrylamide and possesses the ability to undergo cross-linking with ease.

PAM finds extensive utilization in various industries, with notable applications in the oilfield sector. In the realm of oil drilling, PAM serves as a crucial polymer, aiding in the drilling process as well as in Enhanced Oil Recovery (EOR) techniques. Its water-soluble nature allows it to effectively control the viscosity of drilling fluids, thereby enhancing the efficiency of drilling operations. Additionally, PAM's ability to improve oil recovery by altering the properties of reservoir rocks makes it an invaluable asset in

the EOR process.

Water treatment, both in industrial and domestic settings, represents another significant area where PAM plays a prominent role. As a flocculant, PAM facilitates the aggregation of suspended particles in water, allowing for their easy removal through sedimentation or filtration. This property makes PAM an indispensable component in the purification of water, ensuring its suitability for various applications.

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The pulp and paper industry also benefits greatly from the use of PAM. As a flocculant and sizing agent, PAM aids in the separation of solid impurities from pulp, resulting in improved paper quality. Moreover, PAM's sizing properties contribute to the control of ink absorption, enhancing the printability and overall appearance of paper products.

In addition to these major applications, PAM finds niche utilization in various other fields. For instance, in irrigation systems, PAM assists in improving water infiltration and retention in soil, thereby enhancing crop yield and water efficiency. Furthermore, PAM's cross-linked form is employed in the manufacturing of contact lenses, where its water-absorbing properties ensure comfort and moisture retention for the wearer.

This comprehensive report offers a detailed analysis of the polyacrylamides industry, providing statistical information, market size, market share within various market segments, growth rate, and forecasts specifically tailored to this sector. The data-driven analysis equips industry professionals with essential information to assess the current market landscape, make informed decisions, and identify growth opportunities within the polyacrylamides industry.

Research Coverage
The report presents an in-depth analysis and segmentation of the polyacrylamides market, with market size forecasts extending until 2028. To provide a comprehensive understanding of the industry, the market has been categorized based on product, form, end user, and region. Furthermore, a thorough evaluation of key industry players has been conducted to provide valuable insights into their business profiles, product offerings, strategic approaches, partnerships, expansions, and acquisitions pertaining to the polyacrylamides market.

The report provides a detailed analysis of the following segments within the polyacrylamides market:
Product: anionic polyacrylamide (APAM), cationic polyacrylamide (CPAM), and nonionic polyacrylamide (NPAM)
Form: emulsion, liquid, and powder
End user: mining, oilfield, pulp and paper, water treatment, and others
Region: North America, Europe, Asia-Pacific, MEA (Middle East and Africa), and South America - Request a Sample Report

By product, the global polyacrylamides market has been segmented into anionic polyacrylamide (APAM), cationic polyacrylamide (CPAM), and nonionic polyacrylamide (NPAM). In 2022, the CPAM segment made up the largest share of revenue generated by the polyacrylamides market. CPAM is a type of polyacrylamide that carries a positive charge. It is widely used in various industries due to its unique properties and versatile applications. CPAM finds extensive utilization in water treatment processes, where it aids in the removal of contaminants and impurities from wastewater. Its positive charge enables it to effectively bind with negatively charged particles, facilitating the formation of larger

flocs that can be easily separated from the water.

Moreover, CPAM also finds applications in the paper and pulp industry, where it acts as a retention aid, improving the retention of fine particles during the papermaking process. This enhances the overall quality and strength of the paper produced. Additionally, CPAM is utilized in the mining industry for the separation and dewatering of mineral slurries, as well as in the oil and gas sector for enhanced oil recovery.

The dominance of the CPAM segment in terms of revenue can be attributed to its widespread adoption across multiple industries and its effectiveness in various applications. The demand for CPAM is driven by the growing need for efficient water treatment solutions, stringent environmental regulations, and the continuous expansion of industries such as paper and pulp, mining, and oil and gas.

Based upon form, the global polyacrylamides market is categorized into emulsion, liquid, and powder. Among these forms, the powder segment was the largest contributor to the global polyacrylamides market in 2022. In terms of cost-effectiveness, powder forms are generally considered the most economical option, followed by emulsions. This is because powders can be easily stored, transported, and have a longer shelf life compared to liquid or emulsion forms.

The global polyacrylamides market has been categorized into various segments based on the end user, including mining, oilfield, pulp and paper, water treatment, and others. Among these segments, the water treatment sector is projected to hold the largest share in the global polyacrylamides market.

Water treatment plays a crucial role in maintaining the quality and safety of water for various applications, such as drinking, industrial processes, and wastewater treatment. Polyacrylamides, with their unique properties, have gained significant traction in the water treatment industry. They are widely used as flocculants and coagulants to remove suspended particles, organic matter, and other impurities from water.

The increasing global population, rapid industrialization, and growing environmental concerns have led to a surge in the demand for effective water treatment solutions. As a result, the water treatment segment is witnessing substantial growth, driving the demand for polyacrylamides.

Furthermore, the stringent regulations imposed by governments and environmental agencies regarding water quality and pollution control have further propelled the adoption of polyacrylamides in water treatment processes. These regulations necessitate the use of efficient and sustainable solutions to treat water, making polyacrylamides an ideal choice due to their effectiveness and eco-friendly nature.

The global polyacrylamides market has been divided into several geographical segments, namely North America, Europe, Asia-Pacific, MEA (Middle East and Africa), and South America. Among these regions, Asia-Pacific emerged as the dominant player in the global polyacrylamides market in 2022 and is expected to maintain its leading position throughout the forecast period.

The Asia-Pacific region is experiencing rapid growth and is considered one of the fastest-growing regions in the world. This growth can be attributed to the emergence of countries such as India, China, and Indonesia, which are expected to drive the market forward. Moreover, the implementation of the urban wastewater treatment directive by the World Health Organization (WHO) has led to significant improvements in wastewater treatment capacity and methods, particularly in the Asia-Pacific region.

China, in particular, holds a major share in the polyacrylamides market and is projected to maintain the

highest share over the forecast period. This can be attributed to the robust presence of pharmaceutical and chemical manufacturing industries in the region, which generate substantial volumes of wastewater. As a result, there is a growing demand for polyacrylamide as a water treatment chemical in China. Additionally, the Asia-Pacific region is one of the leading markets for pulp and paper manufacturing globally. The presence of major pulp and paper industries, such as Shanying International Holdings Co, Shandong Chenming Paper Holdings Limited, Shandong Sun Paper Industry Co., Ltd., Nine Dragons Paper Holdings Limited and Shandong Huatai Paper Company Limited, further contributes to the expansion of the polyacrylamides industry in the region.

Competitive Landscape
The global polyacrylamides market is highly competitive. As of 2022, the major players in the global polyacrylamides market were BASF SE, Beijing Hengju Chemical Group Co. Ltd., Black Rose Industries Ltd., China National Petroleum Corporation (CNPC), Dongying Kechuang Biochemical Industrial Co. Ltd., Envitech Chemical Specialties Pvt. Ltd., Green Chemical (Dongying) Co. Ltd., Henan Zhengjia Green Energy Co. Ltd. (ZL EOR Chemicals Ltd.), Jiangsu Feymer Technology Co. Ltd., Jiangsu Hengfeng Fine Chemical Co. Ltd., Kemira Oyj, Shandong Jiahua Water Treatment Technology Co. Ltd., Shandong Nuoer Biotechnology Co. Ltd., Shandong Polymer Biochemicals Co. Ltd., Shandong Ruihai Mishan Chemical Co. Ltd., Shandong Shuiheng Chemical Co. Ltd., Shandong Tongli Chemical Co. Ltd., Shandong Wanda Chemical Co. Ltd., SNF Floerger SAS, Solenis LLC, Xitao Polymer Co. Ltd., Zhejiang Xinyong Biochemical Co. Ltd., Anhui Jucheng Fine Chemicals Co. Ltd., Anhui Tianrun Chemical Industry Co. Ltd., Arakawa Chemical Industries Ltd. These companies play a significant role in driving market growth through their active contributions in innovation and product development within the polyacrylamides industry.

Polyacrylamides Industry Developments
▸ Solenis, the Wilmington-based chemical producer, expands its presence in the water-intensive industry by acquiring German manufacturer SCL GmbH. The deal, completed on Tuesday, involves the purchase of all outstanding shares. SCL, headquartered in Ludwigshafen, specializes in producing DMA3, a key ingredient in water-soluble polymers. Solenis aims to strengthen its global polyacrylamide growth plan through this strategic acquisition.
▸ BASF achieved milestone in China with increased polyacrylamide production. The company's Nanjing site has successfully commenced commercial production of a new production line, adding 20,000 metric tons per year capacity. This expansion will cater to the growing demand from mining customers in the Asia Pacific region.
▸ Solenis, a top specialty chemicals producer, plans to raise prices by 8-15% on polyacrylamide polymers and retention aids in the EMEA region from February 1, 2022. This increase aims to counter rising costs of raw materials, packaging, energy, and transportation. Solenis also grapples with supplier shutdowns and force majeure declarations.

Key Questions Answered
What is the projected global market size of polyacrylamides by 2028?
Within the market, which product segment has secured the leading position?
Among the various form segments, which segment has taken the leading position?
Which end user segment exhibits dominant control and influence?
Which region segment possesses the largest market share?
Who are the key players with the largest market share in the polyacrylamides market?
What is the estimated global market size for the polyacrylamides market in 2023?
What are the main factors driving the growth of the polyacrylamides market?
What is the expected incremental growth of the polyacrylamides market during the forecast period?

About Tanalyze
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Our team of consultants and researchers comprises highly respected experts in their respective fields, ensuring the quality and accuracy of our data. We use a deep understanding of downstream demand trends to create customized research and information services with a high level of detail and clarity.

With our extensive knowledge of market trends and direction, we help our clients identify promising market opportunities, new customer segments, and innovative technologies to facilitate business growth.

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Source : Tanalyze Ltd.