

Egypt Water Treatment Chemicals Market, By Type (Corrosion Inhibitors, Scale Inhibitors, Biocides & Disinfectants, Coagulants & Flocculants, Chelating Agents, Others), By Application (Boiler Water Treatment, Cooling Water Treatment, Raw Water Treatment, Water Desalination, Others), By End User (Commercial, Industrial, Residential), By Region, Competition, Forecast and Opportunities, 2028F

<https://marketpublishers.com/r/E237071F6AF4EN.html>

Date: October 2023

Pages: 81

Price: US\$ 3,500.00 (Single User License)

ID: E237071F6AF4EN

Abstracts

Egypt water treatment chemicals market is poised for significant growth until 2028, primarily due to the escalating need for clean water. This market is experiencing expansion in response to the rising demand for both clean and safe water within Egypt. Water treatment chemicals find application in various sectors, encompassing municipal water treatment, industrial water treatment, and wastewater treatment. As of April 2021, Egypt boasted 146 wastewater treatment plants, collectively capable of treating five million cubic meters of wastewater daily.

The driving forces behind the proliferation of the water treatment chemicals market in Egypt encompass population growth, urbanization, and industrialization. Additionally, the market's expansion is underscored by a heightened awareness of water conservation and the imperative to safeguard water resources.

The surge in demand for clean and potable water in urban locales stands as a pivotal driver for the growth of Egypt's water treatment chemicals market. Correspondingly, the industrial water treatment segment is also witnessing augmentation, propelled by heightened requisites for water treatment chemicals across sectors like power

generation, oil & gas, and chemicals & petrochemicals.

Compounded by factors like scant precipitation, escalating temperatures, global warming, and the rapid pace of industrialization, Egypt faces an amplified discharge of wastewater. Without proper treatment, this wastewater poses a threat to the environment. Consequently, the mounting environmental concerns are likely to expedite the construction of wastewater treatment plants, thus fueling the demand for water treatment chemicals and contributing to forthcoming economic growth.

Growing Awareness About Sustainable Development are Factors Driving the Market Demand

Egypt has been contending with long-standing challenges related to water scarcity and inadequate wastewater treatment. Nevertheless, the escalating emphasis on sustainable development and the imperative of conserving natural resources have exerted a noteworthy influence on the country's wastewater treatment chemical market.

To address the issue of water scarcity and enhance the wastewater treatment infrastructure, the Egyptian government has taken substantial measures. In 2017, the government unveiled plans to invest USD 50 billion into the water and wastewater sector over the next two decades, as part of the National Water Plan 2017-2037. This initiative is poised to create substantial opportunities for companies involved in wastewater treatment chemicals.

The mounting awareness of sustainable development in Egypt is being propelled by key factors such as population growth and urbanization. The rapid surge in water demand has consequently led to an escalation in wastewater generation. Consequently, there is a pressing need for more efficient and effective wastewater treatment systems and associated chemicals.

The Egyptian government has initiated various policies to encourage the adoption of sustainable development practices. For instance, in 2018, the Ministry of Environment introduced the National Strategy for Green Growth, which aims to foster sustainable development and minimize the country's carbon footprint. This strategy encompasses multiple initiatives aimed at bolstering wastewater treatment infrastructure and promoting the utilization of sustainable wastewater treatment chemicals.

The influence of heightened sustainable development awareness on Egypt's wastewater treatment chemical market manifests in multiple ways. Notably, there has

been a surge in demand for sustainable wastewater treatment chemicals that are both environmentally friendly and devoid of negative impacts on human health. This trend has led to the creation of novel and innovative wastewater treatment chemicals that are more effective and environmentally conscious. In 2022, Egypt introduced the National Climate Change 2050 Strategy, geared toward enhancing quality of life, economic growth, and natural resource conservation.

Furthermore, an upward trend towards adopting green technologies within the wastewater treatment industry is evident. This drive has culminated in the development of inventive wastewater treatment technologies that are energy-efficient and cost-effective. Consequently, fresh opportunities have emerged for companies operating in the wastewater treatment chemical sector to devise and introduce products that align with sustainable development principles. Consequently, the collective endeavor towards sustainable development is anticipated to propel growth in Egypt's water treatment chemicals market throughout the projected timeframe.

Increasing Demand for Manufacturing Segment are Driving the Market Growth

The manufacturing sector plays a significant role in the generation of wastewater in Egypt, and the burgeoning demand within this sector has yielded a notable influence on the nation's wastewater treatment chemical market. The Egyptian government has initiated measures to address this concern, and it is anticipated that the market for wastewater treatment chemicals will experience growth over the projected period.

Egypt boasts a rapidly expanding industrial landscape encompassing sectors such as food processing, textiles, and chemical manufacturing. These industries yield substantial volumes of wastewater, necessitating treatment prior to discharge into the environment. The escalating demand stemming from these sectors has exerted a substantial impact on Egypt's wastewater treatment chemical market.

Key catalysts driving demand within the manufacturing segment include an escalating emphasis on sustainability and environmental stewardship. Numerous manufacturing enterprises are now adopting sustainable protocols and actively seeking methods to curtail their environmental footprint. Consequently, there has been a surge in the requisition of wastewater treatment chemicals that are environmentally friendly and exhibit minimal environmental repercussions.

Manufacturers in the realm of chemicals and natural gases are among the stakeholders who seek wastewater treatment chemicals. This demand arises from the efficacy of

such chemicals in addressing the specific wastewater types generated within the manufacturing sector. This trend has paved the way for the development of novel and inventive wastewater treatment chemicals that are finely tailored to cater to the unique requirements of the industry.

Technological Development in the Egypt Wastewater Treatment Chemical Market

The wastewater treatment chemical market in Egypt has been experiencing notable strides in technological innovation in recent times.

A key technological advancement in Egypt's wastewater treatment chemical market involves the evolution of advanced oxidation processes. These processes leverage chemical agents to disintegrate organic pollutants within wastewater, offering a highly efficient approach for treating wastewater stemming from sectors like pharmaceuticals, chemicals, and textiles. Advanced oxidation processes also exhibit effectiveness in addressing challenges related to color and odor elimination in industrial wastewater treatment.

Another noteworthy technological progression in Egypt's wastewater treatment chemical market centers on the utilization of membrane bioreactors. These bioreactors represent a category of advanced wastewater treatment technology, seamlessly integrating biological treatment methods with membrane filtration techniques. This innovation has proven highly efficacious in treating wastewater arising from industries such as food processing, pulp and paper, and textiles.

Furthermore, the Egyptian government has been actively advocating for the adoption of renewable energy solutions in the wastewater treatment sector. A growing number of wastewater treatment facilities in Egypt are harnessing solar energy to reduce their reliance on fossil fuels. This push towards sustainable energy practices has catalyzed the development of fresh and inventive wastewater treatment chemicals engineered to synergize with these renewable energy technologies.

Market Segmentation

Egypt water treatment chemicals market is segmented based on type, application, end user, and region. Based on type, the market is categorized into corrosion inhibitors, scale inhibitors, biocides & disinfectants, coagulants & flocculants, chelating agents, and others. Based on application, the market is further segmented into boiler water treatment, cooling water treatment, raw water treatment, water desalination, and others.

Based on the end user, the market is segmented into commercial, industrial, and residential. Based on region, the market is divided Cairo, Alexandria, Giza, Qalyubia, Port Said, Suez, and Rest of Egypt.

Company Profiles

Nalco Holding Co, SUEZ International SASU, Kemira Oyj, Egyptian International Chemicals (EIC), Aqua-Chem Inc, Arab Water Treatment Company (AWTC), Dow Chemical Company, Veolia Environnement SA, BASF SE, and DuPont de Nemours Inc are some of the key players in the Egypt water treatment chemicals market.

Report Scope:

In this report, Egypt water treatment chemicals market has been segmented into the following categories, in addition to the industry trends, which have also been detailed below:

Egypt Water Treatment Chemicals Market, By Type:

Corrosion Inhibitors

Scale Inhibitors

Biocides & Disinfectants

Coagulants & Flocculants

Chelating Agents

Others

Egypt Water Treatment Chemicals Market, By Application:

Boiler Water Treatment

Cooling Water Treatment

Raw Water Treatment

Water Desalination

Others

Egypt Water Treatment Chemicals Market, By End User:

Commercial

Industrial

Residential

Egypt Water Treatment Chemicals Market, By Region:

Cairo

Alexandria

Giza

Qalyubia

Port Said

Suez

Rest of Egypt Eastern

Competitive landscape

Company Profiles: Detailed analysis of the major companies in Egypt Water Treatment Chemicals market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Egypt Water Treatment Chemicals Market, By Type (Corrosion Inhibitors, Scale Inhibitors, Biocides & Disinfecta...

Company Information

Detailed analysis and profiling of additional market players (up to five).

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