

# **Middle East & Africa Chlorine Market Forecast to 2030 - Regional Analysis - by Application (Ethylene Dichloride/Polyvinylchloride Production, Chloromethanes, Isocyanates and Oxygenates, Solvents, and Others) and End-Use Industry (Water Treatment, Chemicals, Pulp and Paper, Plastics, Pharmaceuticals, and Others)**

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## **Abstracts**

The Middle East & Africa chlorine market is expected to grow from US\$ 829.08 million in 2023 to US\$ 1,017.84 million by 2030. It is estimated to grow at a CAGR of 3.0% from 2023 to 2030.

Growing Adoption from End-Use Industries Fuel Middle East & Africa Chlorine Market

Chlorine finds extensive use in various end-use industries including water & wastewater treatment, chemical, and PVC manufacturing, due to its versatile properties and wide range of applications. Chlorine is used to manufacture polyvinyl chloride and is extensively used in water purification & wastewater treatment. It is also used in batteries, pharmaceutical, chemical, food processing, and metal fluxing industries, as a bleaching agent, and pulp & paper manufacturing. It is used as a post-harvest disinfectant for fruits & vegetables. The growing pharmaceutical sector due to population growth, advancements in healthcare is expected to increase the demand for pharmaceutical products and medications in the coming years. This will fuel the need for essential raw materials such as chlorine and its derivatives, creating favorable prospects for the Middle East & Africa Chlorine Market. In pharmaceutical industry chlorine is used as an active pharmaceutical ingredient (API). Biotechnology has revolutionized drug delivery and development processes. Chlorine and its derivatives

are essential raw materials for the synthesis of many active pharmaceutical ingredients (APIs) and drug intermediates. Advancements in gene editing technologies, such as CRISPR-Cas9, have opened new avenues for treating genetic disorders. Chlorine derivatives are used in certain gene editing processes, making them essential for gene therapy research and applications. Further, chlorine and its derivatives serve as vital building blocks in the production of various specialty chemicals and intermediates. These chemicals are essential in diverse industries, including pharmaceuticals, agrochemicals, coatings, and personal care products. The rising demand for specialty chemicals tailored to specific applications can propel the need for chlorine. Chlorine derivatives also find applications as solvents and chemical reagents in research laboratory work and chemical synthesis. The expanding chemical research and development activities in industries such as pharmaceuticals, biotechnology, and material science are anticipated to provide growth opportunities to the Middle East & Africa chlorine market during the forecast period.

In addition, the developing pulp & paper industry would offer significant opportunities for the Middle East & Africa chlorine market due to its continued reliance on chlorine-based bleaching agents and the increasing sustainable paper production. Chlorine is a key component in bleaching to whiten pulp fibers and improve paper quality. From water treatment, pharmaceuticals, and plastic manufacturing to crop protection, chlorine and its derivatives play crucial roles in enhancing efficiency, safety, and hygiene across various applications. Thus, the increasing adoption of chlorine across different end-use industries is expected to provide opportunities to the Middle East & Africa chlorine market over the coming years.

### Middle East & Africa Chlorine Market Overview

The Middle East & Africa chlorine market is segmented into South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The market growth in the Middle East & Africa is attributed to the high demand for chlorine from industries such as water treatment, plastic, chemical, oil & gas, pharmaceutical, and textile. In the oil & gas industry, chlorine finds important applications in various processes and operations. According to the US Energy Information Administration, the Middle East comprises 5 of the top 10 oil-producing countries—Saudi Arabia, Iraq, UAE, Iran, and Kuwait. It is responsible for producing ~27% of world's oil production. Chlorine dioxide is effective in remedying bacterial and sulfide contamination commonly found in oilfield production, injection, and disposal fluids. The strong presence of the oil & gas sector in the region creates a huge demand for chlorine and its derivatives. In addition, the Middle East & Africa is an important region in the international plastics & packaging industry where the

demand is growing significantly. The growing packaging and building & construction sectors in the region support the chlorine demand. Further, the growth of the chemical and healthcare industries provides lucrative opportunities for the Middle East & Africa chlorine market in the region.

## Middle East & Africa Chlorine Market Revenue and Forecast to 2030 (US\$ Million)

### Middle East & Africa Chlorine Market Segmentation

The Middle East & Africa chlorine market is segmented into application, end-use industry, and country.

Based on application, the Middle East & Africa chlorine market is segmented into ethylene dichloride/polyvinylchloride production, chloromethanes, isocyanates and oxygenates, solvents, and others. The ethylene dichloride/polyvinylchloride production segment held a larger share of the Middle East & Africa chlorine market in 2023.

Based on end-use industry, the Middle East & Africa chlorine market is segmented into water treatment, chemicals, pulp and paper, plastics, pharmaceuticals, and others. The chemicals segment held the largest share of the Middle East & Africa chlorine market in 2023.

Based on country, the Middle East & Africa chlorine market has been categorized into the South Africa, Saudi Arabia, the UAE, and the Rest of Middle East & Africa. The Rest of Middle East & Africa dominated the Middle East & Africa chlorine market in 2023.

Key players operating in the Middle East & Africa chlorine market are Aditya Birla Chemicals India Ltd, BASF SE, Ercros SA, Hanwha Solutions Corp, INEOS Group Holdings SA, Occidental Petroleum Corp, Olin Corp, Tata Chemicals Ltd, and Sumitomo Chemical Co Ltd, among others.

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