

# Global Chelating Agents Market Outlook to 2027

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## Abstracts

According to BlueQuark Research & Consulting, the global Chelating Agent market is expected to witness a significant growth rate during the forecasted period. Factors like the increasing use of Chelating Agents in the paper & pulp industry, which can lower the bleaching costs, are expected to drive the global market. Further, in the water treatment, the Chelating Agent is used to control hardness ions such as  $Mg^{+2}$  and  $Ca^{+2}$  in water, which are projected to drive the global market. Furthermore, in agrochemicals, Chelating Agents can compete for binding sites in the soil, which is expected to drive market growth. However, Chelating agents can disrupt metal speciation and alter metal bioavailability. Their presence at high concentrations can cause metals to remobilize from sediments and aquifers, posing a threat to groundwater and drinking water are expected to hinder the global market growth.

Chelating Agent is used in the paper & pulp industry in bleaching utilize oxygen-based chemicals such as peroxide, ozone, peracids, and oxygen. Chelation therapy is an antidote for mercury, arsenic, and lead poisoning in water treatment. It is used in the agrochemicals and textile industries, and it reduces blood and tissue levels of harmful heavy metals in the pharmaceutical industry. EDTA is a chelating agent used in the food industry as a chemical preservative. Tetrasodium EDTA and tetrahydroxypropyl ethylenediamine is the most common chelating agent found in cosmetic formulations.

The Paper & Pulp Industry is the most vital consumer of Chelating Agent and is projected to drive the Global Market. In pulp bleaching sequences, oxygen-based bleaching chemicals are used as the chelating agent. In an activated sludge plant, the mass balances and degradation of the pulp and paper industry's two most commonly used chelating agents are EDTA and DTPA, making the Global Market for Chelating Agent is bound to rise. According to International Paper Company, capital spending in 2020 was approximately USD 751 million and is expected to be around USD 800 million in 2021. In the United States, in 2020, the Company operated 27 pulp, paper, and

packaging mills, 162 converting and packaging plants, 16 recycling plants, and three bag facilities. Chelates are especially significant in treating mechanical pulps, where heavy ions in the lignin reduce the bleaching efficacy. Chelates are applied independently and mixed with sodium hydrosulfite bleaching agents in mechanical pulping, the demand for the industry shoots, thus driving the Global Chelating Agent Industry. Therefore the mentioned use of Chelating Agents in the Paper & Pulp Industry is expected to grow and drive the overall market in the future.

The Asia-Pacific region is expected to be the leader in the production and consumption of Chelating Agents, with most of the consumption in countries like China and India. With the growing population, the demand for Chelating Agent in the paper & pulp industry is increasing, which helps to increase the efficiency and durability of the bleaching agents and to achieve higher brightness levels, thus driving the global Chelating Agent market. The demand for Chelating Agents is increasing in the water treatment industry. Chelating Agents convert metal ions into a chemically and biochemically inert form that can be excreted, driving the need for Chelating Agents in the Global Market. In the agrochemical industry, Chelating Agent helps to remobilize the particle-bound elements into the soil solution, and enhancing their solubility is expected to drive the demand for Chelating Agent in the market. In the textile industry, in the closed dyeing process, mild acid-based chelating agents are used for the dyeing of polyester fabrics with metal-sensitive dispersed dye, driving the global Chelating Agent market. In the pharmaceutical industry, Chelating Agents bind iron, lead, or copper in the blood and can be used to treat excessively high levels of these metals and may also be used to treat heavy metal poisoning, driving the Chelating Agent market. In the food industry, Chelating Agents are food additives to prevent oxidation and increase the shelf life of baked goods, driving the demand for global Chelating Agent. In the personal care industry, Chelating Agents are ingredients that bind with metal ions and play a crucial role in the stability and efficacy of cosmetics, driving the demand for the Chelating Agent Market. The mentioned factors have made the Asia-Pacific an essential region for growth in the Chelating Agent Market.

Some of the market's key players are BASF SE, Archer Daniels Midland Company, Mitsubishi Chemical Corporation, Kemira Oyj, Zhonglan Industry Co., Ltd, among others.

In March 2020, Nouryon and INEOS built a new facility at the INEOS Koln site in Germany. The unit will supply raw materials for Nouryon's high-quality, biodegradable chelates, utilized in detergents and other applications. The plants are expected to finish by 2021-2022.

In January 2021, Chemet was an orally active, heavy metal chelating agent indicated to treat lead poisoning in pediatric patients with blood lead levels above 45mcg/dL.

The Global Chelating Agent Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Chelating Agent market by segmenting based on the By Type (Arsenic Chelator, Copper Chelator, Iron Chelator, Lead Chelator, Mercury Chelator, Others), By Product (Ethylenediaminetetraacetic acid (EDTA), Nitrilotriacetic acid, n-hydroxyethylethylenediaminetriacetic acid (HEDTA), Hemoglobin, Chlorophyll, Oxalic acid, Malic Acid, Others), By Application (Paper & Pulp, Water Treatment, Agrochemical, Textile, Pharmaceutical, Food, Personal Care, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes emerging market trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

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- ubishi Chemical Corporation
- hira Oyj
- nglan Industry Co., Ltd
- y Chemical Company
- ess AG
- ck Millipore
- e & Lyle Plc
- uryon
- soh Corporation
- A Chemicals Private Ltd
- end Performance Materials LLC
- xion Inc.
- andong IRO Chelating Chemical Co., Ltd
- companies is not exhaustive

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