Chelating Agents

30 October 2020

Abstract

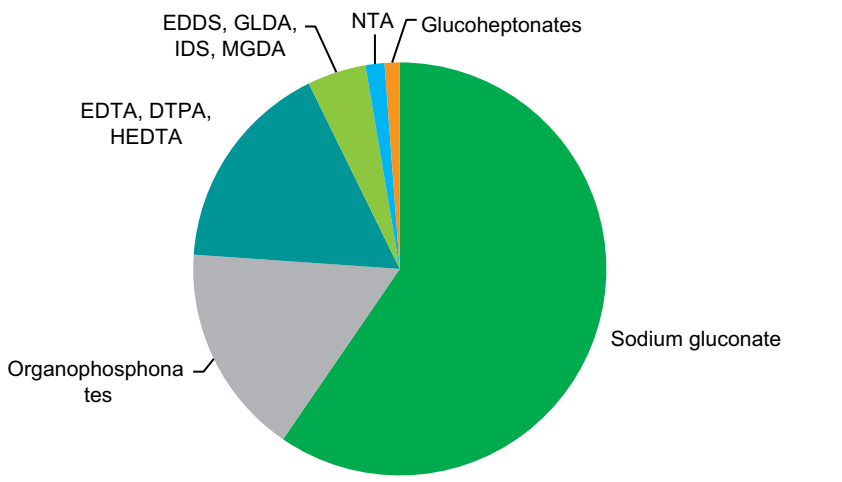
Chelating agents in this report are identified as traditional aminopolycarboxylic acids and their salts (e.g., ethylenediaminetetraacetic acid [EDTA] or nitrilotriacetic acid [NTA]), biodegradable aminopolycarboxylic acids and their salts (e.g., glutamic acid-N,N-diacetic acid [GLDA] or methylglycinediacetic acid [MGDA]), hydroxycarboxylic acids and their salts (e.g., sodium gluconate), and organophosphonates.

Their principal function is the solubilization of metal ions that would otherwise have a detrimental effect on systems or other products that are being applied. Applications for chelating agents are as varied as the product types, with some products finding multiple applications, while others fulfill specific purposes, depending on the chemical conditions in which they need to perform and the required cost-to-efficacy ratio.

The COVID-19 pandemic has negatively affected the demand for chelating agents for industrial applications and construction during 2020, although other applications such as household and institutional cleaning have remained robust in the fight against the COVID-19 virus. The industrial and construction markets are expected to rebound strongly in 2021, driven particularly in regions such as mainland China, Southeast Asia, and India. In addition, biodegradable chelating agents such as MGDA and GLDA continue to gain attention outside their established western markets of household cleaning formulations into other regions and applications such as industrial and institutional cleaning.

The following pie chart shows world consumption of chelating agents by product type for 2020:

World consumption of chelating agents—2020



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For more detailed information, see the table of contents, shown below.

IHS Markit's Chemical Economics Handbook – ***Chelating Agents*** is the comprehensive and trusted guide for anyone seeking information on this industry. This latest report details global and regional information, including


Global summary; regional coverage


Producers with annual capacities and plant sites


Production figures and trends


Consumption and forecasts by end use application


Manufacturing processes and environmental issues


Trade – imports and exports

Key benefits

IHS Markit's Chemical Economics Handbook – ***Chelating Agents*** has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with IHS Markit's unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade, and economics.

This report can help you

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand
- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations, and other factors on chemical profitability

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