

South & Central America Chlorine Market Forecast to 2030 - Regional Analysis - 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 South & Central America chlorine market is expected to grow from US\$ 1,235.60 million in 2023 to US\$ 1,490.27 million by 2030. It is estimated to grow at a CAGR of 2.7% from 2023 to 2030.

Flourishment of PVC Manufacturing Industry Fuel South & Central America Chlorine Market

Polyvinyl chloride (PVC) is one of the most widely used synthetic polymers globally and finds applications in various sectors, including construction, automotive, electrical, packaging, and healthcare. The production of PVC involves the polymerization of vinyl chloride monomers, and chlorine is a key raw material in this chemical process. The construction and infrastructure development activities are increasing substantially. PVC pipes, fittings, and profiles are extensively used in construction due to their durability, cost-effectiveness, and versatility. As urbanization continues to accelerate in many parts of the world, the demand for PVC-based construction materials rises in tandem, leading to a higher need for chlorine to meet the polymerization requirements. According to the European Council of Vinyl Manufacturers, PVC is the third-most-produced plastic in the world, after polyethylene and polypropylene. Approximately 70% of all PVC produced in Europe is used for flooring, windows, pipes, roofing membranes, and other building

products. PVC's lightweight nature, ease of processing, and cost-efficiency have made it a preferred choice for manufacturing automotive parts such as dashboards, door panels, and wiring covers. Therefore, the growth of the automotive sector propels the demand for PVC, which bolsters the requirement for chlorine as a raw material in PVC production.

PVC films and sheets are widely used in packaging applications, particularly for food and pharmaceutical products. With the increasing demand for packaging goods and the growing focus on hygiene and product safety, the demand for PVC-based packaging materials has soared, further contributing to the chlorine demand from the PVC industry. In the electrical sector, PVC cables and wires are extensively used for electrical insulation due to their excellent electrical properties and fire-retardant characteristics. As the demand for electricity and electrical infrastructure continues to rise, the need for PVC-based electrical materials propels, consequently bolstering the chlorine demand. Thus, since PVC remains a preferred material in construction, automotive, packaging, and electrical applications, the need for chlorine in the polymerization process remains strong.

South & Central America Chlorine Market Overview

The South & Central America chlorine market is segmented into Brazil, Argentina, and the Rest of South & Central America. South & Central America is one of the largest pulps and paper producers due to the availability of raw materials. Chlorine is used in the pulp & paper industry for bleaching processes to improve paper quality. According to the *Indústria Brasileira de Celulose (Ibcel)* and Food and Agriculture Organization (FAO), Brazil accounted for 11.3%, and Chile held 2.8% of global pulp production in 2020. Thus, the large quantity of pulp and paper production in the region is anticipated to drive the chlorine demand.

South & Central America Chlorine Market Revenue and Forecast to 2030 (US\$ Million)

South & Central America Chlorine Market Segmentation

The South & Central America chlorine market is segmented into application, end-use industry, and country.

Based on application, the South & Central America chlorine market is segmented into ethylene dichloride/polyvinylchloride production, chloromethanes, isocyanates and oxygenates, solvents, and others. The ethylene dichloride/polyvinylchloride production

segment held the largest share of the South & Central America chlorine market in 2023.

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

Based on country, the South & Central America chlorine market has been categorized into the Brazil, Argentina, and the Rest of South & Central America. The Rest of South & Central America dominated the share of the South & Central America chlorine market in 2023.

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 are some of the leading companies operating in the South America chlorine market.

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