

South America Cooling Water Treatment Chemical Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Type (Corrosion Inhibitor, Scale Inhibitor, Biocide, and Others) and End-Use Industry (Power Industry; Steel, Mining & Metallurgy; Petrochemicals and Oil & Gas; Food & Beverage; Textile; and Others)

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Abstracts

The South America cooling water treatment chemical market is expected to grow from US\$ 740.52 million in 2022 to US\$ 965.18 million by 2028; it is estimated to grow at a CAGR of 4.5% from 2022 to 2028 .

Increasing Popularity of Zero Liquid Discharge is Fueling the South America Cooling Water Treatment Chemical Market

The power, oil & gas, chemicals, petrochemicals, and mining industries produce enormous volumes of wastewater. Generally, these wastewaters are released through a plant outfall into a surface water body, a dissipation lake, or a deep well injected. Environmental concerns due to such releases have catalyzed advancements in zero liquid discharge (ZLD) processes. ZLD is a treatment process in which all wastewater is purged and reused, thereby leaving zero release toward the end of the treatment cycle. This wastewater treatment technique incorporates ultrafiltration, switch assimilation, vanishing/crystallization, and fragmentary electrode ionization. It focuses on the economic reduction of wastewater volumes, along with producing clean water that is suitable for reuse. ZLD systems generally comprise brackish water concentrators and crystallizers that use thermal evaporation to transform the saline solution into highly refined water. Apart from evaporator/crystallizer systems, ZLD systems may be enabled

by promising advancements such as electro dialysis/electro dialysis reversal (ED/EDR), forward osmosis (FO), and membrane distillation (MD). These components are utilized in various combinations to bring down the expense and raise the productivity of the ZLD framework. In addition to the abovementioned techniques, other procedures associated with ZLD include softening, reverse osmosis, drying, and clarification. These procedures require different water treatment chemicals to enhance the productivity of the entire process. The growing concerns among populations about the effects of environmental releases of industrial waste, and stringent guidelines by administrations on water protection and wastewater management have added to the popularity of zero liquid discharge among different businesses, eventually boosting the cooling water treatment chemicals market growth.

South America Cooling Water Treatment Chemical Market Overview

The cooling water treatment chemicals market in South & Central America is segmented into Brazil, Argentina, and the Rest of South and Central America. Technological and industrial developments in the region support the economic growth of countries such as Brazil and Argentina. The changing economic conditions in South and Central America, development of new manufacturing facilities, and government measures for encouraging industrial production are the major factors providing huge developing potential for the cooling water treatment chemicals market players in South and Central America. Power, steel, mining and metallurgy, petrochemicals, oil & gas, food & beverages, and textile industries are among the major consumers of cooling water treatment chemicals in this region. Many international businesses find it simple to enter into the Brazilian manufacturing market owing to robust government and financial support. Thus, the ongoing development of the manufacturing sector and government support for increasing industrial production are expected to favor the cooling water treatment chemicals market growth in South & Central America in the coming years.

South America Cooling Water Treatment Chemical Market Revenue and Forecast to 2028 (US\$ Million)

South America Cooling Water Treatment Chemical Market Segmentation

The South America cooling water treatment chemical market is segmented based on type, end use, and country.

Based on type, the South America cooling water treatment chemical market is segmented into corrosion inhibitor, scale inhibitor, biocide, and others. The scale

inhibitor segment held the largest market share in 2022.

Based on end-use industry, the South America cooling water treatment chemical market is segmented into power industry; steel, mining & metallurgy; petrochemicals and oil & gas; food & beverage; textile; and others. The power industry segment held the largest market share in 2022.

Based on country, the South America cooling water treatment chemical market is segmented into Brazil, Argentina, and the Rest of South America. Brazil dominated the market share in 2022.

Albemarle Corporation; Buckman; Chemtex Speciality Limited; Ecolab; Veolia Water Technologies SASU; Kemira Oyj; Kurita Water Industries Ltd.; and ChemTreat, Inc. are the leading companies operating in the South America cooling water treatment chemical market.

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