

North America Metal Scavenging Agents Market Forecast to 2030 - Regional Analysis - by Type (Alumina-Based, Carbon-Based, Silica-Based, Resin-Based, and Others) and End-Use Industry (Water Treatment, Food & Beverages, Pharmaceutical, Oil & Gas, Chemicals, Paper & Pulp, and Others)

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Abstracts

North America metal scavenging agents market was valued at US\$ 3,161.75 million in 2022 and is expected to reach US\$ 5,130.67 million by 2030; it is estimated to register a CAGR of 6.2% from 2022 to 2030.

Growing Industrialization and Urbanization Fuels North America Metal Scavenging Agents Market

As of July 2023, the US annual construction spending in the manufacturing sector encompassed US\$ 201 billion, an increase of 70% from the previous year, setting the stage for further growth in 2024. As industrial activities expand across the world, there is a parallel increase in metal contamination across various environmental media such as water bodies, soil, and air. The contamination arises from diverse sources, including industrial processes, urban runoff, and improper waste disposal practices. Industries such as mining, manufacturing, and chemical processing generate effluents and emissions laden with heavy metals such as lead, mercury, cadmium, and chromium. These metals pose serious environmental pollution and cause health risks, as they can persist in the environment, accumulate in ecosystems, and bioaccumulate in organisms, ultimately entering the food chain and posing risks to human health and wildlife. In 2021, the National Poisoning Data System (NPDS) of the American Association of Poison Control Centers (AAPCC) reported 8,884 case of heavy metal poisoning. Of

those cases, 2,787 were in children younger than 6 years, and 4,014 were in patients older than 19 years. Metal scavenging agents offer effective solutions for removing heavy metals from wastewater, industrial effluents, and emissions, thereby reducing their environmental impact and protecting ecosystems. Therefore, industries' substantial demand for metal scavengers is driven by the imperative to address environmental metal contamination resulting from industrialization and urbanization, ensuring sustainable environmental management and safeguarding public health and ecological integrity.

North America Metal Scavenging Agents Market Overview

The North America metal scavenging agents market is expected to witness lucrative opportunities during the forecast period due to the growing demand from end-use industries such as water & wastewater treatment, pulp & paper, oil & gas, pharmaceuticals, food & beverage, chemicals, and others. North America's growing population and urbanization have raised concerns about water scarcity and propelled the need for sustainable water management practices. According to the United States Geographical Survey, each citizen in the US uses 82 gallons of water daily at home. There is a greater emphasis on treating and recycling water resources. Metal scavenging agents play a pivotal role in this context by aiding in the purification of water, making water suitable for reuse, and reducing the overall environmental impact.

North America Metal Scavenging Agents Market Revenue and Forecast to 2030 (US\$ Million)

North America Metal Scavenging Agents Market Segmentation

The North America metal scavenging agents market is categorized into type, end-use industry, and country.

By type, the North America metal scavenging agents market is segmented into alumina-based, carbon-based, silica-based, resin-based, and others. The others segment held the largest share of the North America metal scavenging agents market share in 2022.

In terms of end-use industry, the North America metal scavenging agents market is segmented into water treatment, food & beverages, pharmaceutical, oil & gas, chemicals, paper & pulp, and others. The paper & pulp segment held the largest share of the North America metal scavenging agents market share in 2022.

Based on country, the North America metal scavenging agents market is segmented into the US, Canada, and Mexico. The US segment held the largest share of North America metal scavenging agents market in 2022.

BASF SE, Biosynth AG, Biotage AB, Fuji Silysia Chemical Ltd, Johnson Matthey Plc, Merck KGaA, SiliCycle Inc, and Supra Sciences Pvt Ltd are some of the leading companies operating in the North America metal scavenging agents market.

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