

North America Copper-Nickel Alloys Market Forecast to 2028 – COVID-19 Impact and Regional Analysis – by Product Type (Rods & Bars, Wires, Tubes, and Others) and Application (Chemical Processing, Marine, Power Generation, Oil & Gas, Automotive & Aerospace, and Others)

<https://marketpublishers.com/r/NC9E439F13D3EN.html>

Date: January 2023

Pages: 101

Price: US\$ 3,000.00 (Single User License)

ID: NC9E439F13D3EN

Abstracts

The North America copper-nickel alloys market is expected to grow from US\$ 593.87 million in 2022 to US\$ 802.79 million by 2028. It is estimated to grow at a CAGR of 5.2% from 2022 to 2028.

Extensive Usage of Copper-Nickel Alloys in Marine Industry is Driving the North America Copper-Nickel Alloys Market

Ships, cargos, and other seagoing vessels need a large amount of seawater for fire water systems, cooling systems, ballast systems, and sprinkler systems, which reduces the lifespan of vessels. Copper-nickel alloys have a high resistance to seawater corrosion and biofouling due to the formation of a protective oxide film on the metal surface. Therefore, the alloys are used for shipbuilding and seawater system fabrication. In addition, copper-nickel alloys have excellent ductility and toughness. Moreover, they are also resistant to stress-corrosion cracking. Therefore, copper-nickel alloys—especially Cu-Ni (90-10) and Cu-Ni (70-30)—are extensively used in the marine industry. The growth of the marine industry provides significant growth potential to the copper-nickel alloys market. With the rising sales of boats, ships, and other marine products and services, the demand for copper-nickel alloys is expected to increase in the coming years, driving the market growth. Copper-nickel alloys are usually used in the manufacturing of claddings for ship hulls and seawater pipes, fittings, and intake

screens. Shell and tube heat exchangers used in seawater cooling systems are supplied with seawater through pipes. Also, valves control seawater flow. The pipes and valves are generally made of copper-nickel alloys with high seawater corrosion resistance. Further, the alloys are also used in bilge and ballast systems. These systems are used to fill empty bilges and to empty or fill ballast spaces with seawater within the ship. Thus, the widespread applications of copper-nickel alloys in the marine industry bolster the growth of the North America copper-nickel alloys market .

North America Copper-Nickel Alloys Market Overview

The North America copper-nickel alloys market is segmented into the US, Canada, and Mexico. The market growth is attributed to the increasing use of copper-nickel alloys in various industries such as aerospace, chemical processing, marine, oil & gas, automotive, and power generation. In the automotive industry, copper-nickel alloys are used in the manufacturing of fuel-efficient and pollution-controlled engines and components, including powertrain parts, valve seats, braking and steering systems, bearings, bushings, etc. As a result, the demand for copper-nickel alloys is expected to rise significantly with the expansion of the automobile sector. According to the International Organization of Motor Vehicle Manufacturers (OICA), vehicle production in North America increased from over 13.3 million in 2020 to 13.4 million vehicles in 2021. Copper-nickel alloys are increasingly employed for the break & hydraulic suspension systems and cooling systems in cars and commercial vehicles. Thus, the surge in vehicle production across the region is expected to drive the North America copper-nickel alloys market during the forecast period.

North America Copper-Nickel Alloys Market Revenue and Forecast to 2028 (US\$ Million)

North America Copper-Nickel Alloys Market Segmentation

The North America copper-nickel alloys market is segmented based on product type, application, and country.

Based on product type, the North America copper-nickel alloys market is segmented into rods & bars, wires, tubes, and others. The rods & bars segment held the largest market share in 2022.

Based on application, the North America copper-nickel alloys market is segmented into chemical processing, marine, power generation, oil & gas, automotive & aerospace, and

others. The marine segment held the largest market share in 2022.

Based on country, the North America copper-nickel alloys market has been categorized into the US, Canada, and Mexico. Our regional analysis states that the US dominated the market in 2022.

Aesteiron Steels LLP, American Elements Inc, Aviva Metals Inc, Corrotherm International Ltd, Fisk Alloy Inc, Hexion Steel Ltd, Kalikund Steel and Engg Co, Lebronze Alloys SAS, and Materion Corp are the leading companies operating in the North America copper-nickel alloys market.

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