

## **Nano Copper Oxide Market By End User (Electricals and Electronics, Energy Storage, Paints & Coatings, Catalysts, Others): Global Opportunity Analysis and Industry Forecast, 2021-2031**

Market Report | 2022-07-01 | 204 pages | Allied Market Research

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### **Report description:**

The global nano copper oxide market was valued at \$39.09 million in 2021, and is projected to reach \$84.81 million by 2031, growing at a CAGR of 8.1% from 2022 to 2031.

Nano copper oxide is a brownish-black or red colored nanoparticle, available as powder or dispersions on the market. Some of the characteristics of the material include its intriguing optical, catalytic, mechanical, and electrical capabilities. It is largely incorporated in catalysts and electrical & electronics use. Some of the other end-users of nano copper oxide are coatings, sensors, lubricants, energy storage & conversion, and academics & research. It also has anti-microbial capabilities and is chosen over other antimicrobial nanoparticles such as nano zinc oxide & nano silver due to cheaper price.

The nano copper oxide market is now in its development phase, as it is employed in a variety of sectors and several studies are underway to identify its next end-user. During the projected period, the global nano copper market is anticipated to expand significantly, with Asia-Pacific being the fastest-growing region. North America is now the largest market for nano copper oxide. Demand for energy storage devices and developments in electronic equipment are the key drivers for the market growth. However, the nanomaterial's toxicity to humans and aquatic life may limit its commercial expansion. Continuous government-supported R&D and rise in the number of end users are anticipated to create substantial opportunities for industry players across the value chain.

Increased disposable income in countries such as Japan and South Korea is driving the growth of industries such as paints and coatings, electricals and electronics, textiles, healthcare and life sciences, among others. Rapid development and rising investment in these industries are driving market expansion and demand for nano copper oxide.

The nano copper oxide market is segmented on the end-use industry and region. On the basis of end-use industry, the market is categorized electricals & electronics, energy storage, paints & coatings, catalysts and others. On the basis of region, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.

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Major players operating in the global nano copper oxide market are American Elements, Hongwu International Group Ltd, Inframat Advanced Materials, LLC, Merck KGaA, Nanjing Emperor Nano materials Co., Ltd, Nanoshel LLC, Nanostructured & Amorphous Materials, Inc, Novacentrix, lolitec Ionic Liquids Technologies GmbH, PlasmaChem GmbH, Sisco Research Laboratories Pvt. Ltd., SkySpring Nanomaterials Inc, Stream Chemicals, Inc, Suzhou Canfuo Nanotechnology Co., Ltd., and US Research Nanomaterials, Inc.

#### Key Benefits For Stakeholders

- This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the nano copper oxide market analysis from 2021 to 2031 to identify the prevailing nano copper oxide market opportunities.
- The market research is offered along with information related to key drivers, restraints, and opportunities.
- Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
- In-depth analysis of the nano copper oxide market segmentation assists to determine the prevailing market opportunities.
- Major countries in each region are mapped according to their revenue contribution to the global market.
- Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
- The report includes the analysis of the regional as well as global nano copper oxide market trends, key players, market segments, application areas, and market growth strategies.

#### IMPACT OF COVID-19 ON THE GLOBAL NANO COPPER OXIDE MARKET

- The COVID-19 pandemic had a negative impact on the economics and industries of various nations as a result of several lockdowns, travel restrictions, and company closures.
- The chemicals and materials industry is one of the principal industries facing significant disruptions, including supply chain restrictions and facility shutdowns. The shutdown of several warehouses and factories in worldwide markets disrupted global supply networks and affected the electrical and paint & coating sectors' revenue.
- Nano copper oxide consumption has also been hindered by a drop in demand from end-use industries. Multiple businesses have already warned of potential delays in product deliveries and a decline in future product sales.
- In contrast, the launch of vaccination campaigns has loosened constraints on manufacturing activity.

#### Key Market Segments

##### By End User

- Energy Storage
- Paints Coatings
- Catalysts
- Others
- Electricals and Electronics

##### By Region

- North America
  - U.S
  - Canada
  - Mexico
- Europe
  - Germany
  - France
  - U.K
  - Spain
  - Italy
  - Rest of Europe
- Asia-Pacific
  - China

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- Japan
- India
- South Korea
- Australia
- Rest Of Asia Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- American Elements
- Inframat Corporation
- Hongwu International Group Ltd
- NaBond Technologies Co., Limited
- NANOCOMPOSIX, INC.
- Nanoshel LLC
- Nanostructured & Amorphous Materials, Inc.
- PlasmaChem GmbH
- SkySpring Nanomaterials, Inc.
- US Research Nanomaterials, Inc.

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