

Global Nickelous Sulfate Market Growth 2025-2031

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Abstracts

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The global Nickelous Sulfate market size is predicted to grow from US\$ 10220 million in 2025 to US\$ 19330 million in 2031; it is expected to grow at a CAGR of 11.2% from 2025 to 2031.

Nickelous Sulfate, usually refers to the inorganic compound with the formula $\text{NiSO}_4(\text{H}_2\text{O})_6$. This highly soluble blue-coloured salt is a common source of the Ni^{2+} ion for electroplating. At least seven Sulfate salts of nickel (II) are known. These salts differ in terms of their hydration or crystal habit. The common tetragonal hexahydrate crystallizes from aqueous solution between 30.7 and 53.8 °C. Below these temperatures, a heptahydrate crystallises, and above these temperatures an orthorhombic hexahydrate forms. The yellow anhydrous form, NiSO_4 , is a high melting solid that is rarely encountered in the laboratory. This material is produced by heating the hydrates above 330 °C. It decomposes at still higher temperatures to nickel oxide. X-ray crystallography measurements show that $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$ consists of the octahedral $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$ ions. These ions in turn are hydrogen bonded to Sulfate ions. Dissolution of the salt in water gives solutions containing the aquo complex $[\text{Ni}(\text{H}_2\text{O})_6]^{2+}$. All nickelous sulfates are paramagnetic.

The major players in global Nickelous Sulfate market include Sumitomo Metal Mining(SMM), Norilsk Nickel, Jinchuan, etc. The top 3 players occupy about 30% shares of the global market. North America, Europe and China are main markets, they occupy about 70% of the global market. High-Purity Grade is the main type, with a share about 65%. Battery is the main application, which holds a share about 65%.

Capacity and output

Stable capacity: According to the current market situation, the capacity of nickel sulfate has not been added on a large scale in recent years. However, as technology advances and processes are optimized, the utilization rate of existing capacity may be improved.

Production growth: Despite no new capacity additions, nickel sulfate production is expected to continue to grow. This is mainly due to the strong demand in the downstream power battery market, as well as the continuous maturity of nickel sulfate production technology and the optimization of cost control.

Market demand

Increased demand for power batteries: nickel sulfate is one of the key raw materials for the preparation of cathode materials for lithium batteries, especially in the manufacturing process of ternary lithium batteries, nickel sulfate and cobalt salt, manganese salt and other raw materials together, through a series of chemical reactions to generate the precursor of cathode materials. With the continuous expansion of the electric vehicle market and the increasing demand for energy storage, the demand for nickel sulfate in power batteries will continue to grow.

Stable demand in other areas: In addition to the field of power batteries, nickel sulfate is also widely used in electroplating, printing and dyeing mordant, metal colorant and other fields. The demand for nickel sulfate in these areas is relatively stable, which provides a strong support for the development of the nickel sulfate market.

Market competition and pattern

Increasing industry concentration: The production concentration of nickel sulfate industry is gradually increasing. Some large enterprises continue to improve their market share and competitiveness through technology upgrading and capacity expansion.

International competition Intensifies: With the rapid development of the global electric vehicle market, the international competition for nickel sulfate is also becoming increasingly fierce. Some well-known international enterprises have entered the nickel sulfate market, through mergers and acquisitions, joint ventures and other ways to expand their own production capacity and market share.

Environmental protection and sustainable development

Environmental protection requirements: With the improvement of global environmental awareness and the increasingly strict environmental regulations, the environmental protection issues in the production process of nickel sulfate have received more and more attention. In the future, nickel sulfate enterprises need to increase investment in environmental protection, optimize the production process, and reduce the emission of pollutants to achieve sustainable development.

Recycling: In order to maximize the utilization of resources and reduce environmental pollution, the recycling of nickel sulfate will become the future development trend. By recycling nickel-containing waste such as waste batteries, reprocessing and treatment, high quality nickel sulfate products can be produced, so as to realize the recycling of resources and environmental protection.

LP Information, Inc. (LPI) ' newest research report, the "Nickelous Sulfate Industry Forecast" looks at past sales and reviews total world Nickelous Sulfate sales in 2024, providing a comprehensive analysis by region and market sector of projected Nickelous Sulfate sales for 2025 through 2031. With Nickelous Sulfate sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nickelous Sulfate industry.

This Insight Report provides a comprehensive analysis of the global Nickelous Sulfate landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Nickelous Sulfate portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nickelous Sulfate market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nickelous Sulfate and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nickelous Sulfate.

This report presents a comprehensive overview, market shares, and growth opportunities of Nickelous Sulfate market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

EN Grade

Plating Grade

High-Purity Grade

Segmentation by Application:

Electroplating

Chemical Industry

Battery

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Jinchuan

GEM

Sumitomo Metal Mining(SMM)

Guangxi Yinyi

Norilsk Nickel

Jilin Jien

KEMCO

Umicore

Coremax

Jinco Nonferrous

Zenith

Mechema

SEIDO CHEMICAL

CNGR Advanced Material

Zhejiang Huayou Cobalt

Key Questions Addressed in this Report

What is the 10-year outlook for the global Nickelous Sulfate market?

What factors are driving Nickelous Sulfate market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nickelous Sulfate market opportunities vary by end market size?

How does Nickelous Sulfate break out by Type, by Application?

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