

# Global Nickelous Sulfate Sales Market Report 2018

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## Abstracts

This report studies the global Nickelous Sulfate market status and forecast, categorizes the global Nickelous Sulfate market size (value & volume) by key players, type, application, and region.

This report focuses on the top players in North America, Europe, China, Japan, Southeast Asia India and Other regions (Middle East & Africa, Central & South America).

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  $\text{Ni}^{2+}$  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,  $\text{NiSO}_4$ , 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.

Nickelous sulfate industry is relatively fragmented, manufacturers are mostly in the China, Taiwan, Japan and Europe. As for output value, Europe and North America output value accounted for more than 60.38% of the total output value of global nickelous sulfate market. Norilsk Nickel is the world leading manufacturer in global nickelous sulfate market with the market share of 14.80%, in terms of revenue.

In the past few years, as the main raw material price was not stable, with the decrease in production capacity, expected that the nickelous sulfate raw material price might be slightly higher in the short term. Moreover, the improvement of energy, transportation

costs, and labor costs, will play a significant role in promoting the cost of nickelous sulfate.

There are companies adding new capacities and aims at the cost and quality leadership which shall improve profitability. As the same time, companies are focusing on technological innovation, equipment upgrades, and process improvements, to reduce costs and improve quality.

The global Nickelous Sulfate market is valued at 1830 million US\$ in 2017 and will reach 2500 million US\$ by the end of 2025, growing at a CAGR of 4.0% during 2018-2025.

The major players covered in this report

Norilsk Nickel

Umicore

Sumitomo Metal Mining Co., Ltd. (SMM)

Mechema

Outotec

Nicomet

Coremax

Zenith

SEIDO CHEMICAL INDUSTRY CO., LTD.

Jilin Jien Nickel Industry

Jinchuan

Green Eco-Manufacturer

Jinco Nonferrous

Huaze Cobalt & Nickel

Guangxi Yinyi

Geographically, this report studies the key regions, focuses on product sales, value, market share and growth opportunity in these regions, covering

United States

Europe

China

Japan

Southeast Asia

India

We can also provide the customized separate regional or country-level reports, for the following regions:

North America

United States

Canada

Mexico

Asia-Pacific

China

India

Japan

South Korea

Australia

Indonesia

Singapore

Rest of Asia-Pacific

Europe

Germany

France

UK

Italy

Spain

Russia

Rest of Europe

Central & South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Saudi Arabia

Turkey

## Rest of Middle East & Africa

On the basis of product, this report displays the production, revenue, price, market share and growth rate of each type, primarily split into

EN Grade

Plating Grade

High-Purity Grade

On the basis on the end users/applications, this report focuses on the status and outlook for major applications/end users, sales volume, market share and growth rate for each application, including

Electroplating

Chemical Industry

Battery

The study objectives of this report are:

To analyze and study the global Nickelous Sulfate sales, value, status (2013-2017) and forecast (2018-2025);

To analyze the top players in North America, Europe, China, Japan, Southeast Asia and India, to study the sales, value and market share of top players in these regions.

Focuses on the key Nickelous Sulfate players, to study the sales, value, market share and development plans in future.

Focuses on the global key manufacturers, to define, describe and analyze the market competition landscape, SWOT analysis.

To define, describe and forecast the market by type, application and region.

To analyze the global and key regions market potential and advantage, opportunity and challenge, restraints and risks.

To identify significant trends and factors driving or inhibiting the market growth.

To analyze the opportunities in the market for stakeholders by identifying the high growth segments.

To strategically analyze each submarket with respect to individual growth trend and their contribution to the market

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market

To strategically profile the key players and comprehensively analyze their growth strategies.

In this study, the years considered to estimate the market size of Nickelous Sulfate are as follows:

History Year: 2013-2017

Base Year: 2017

Estimated Year: 2018

Forecast Year 2018 to 2025

For the data information by region, company, type and application, 2017 is considered as the base year. Whenever data information was unavailable for the base year, the prior year has been considered.

Key Stakeholders

Nickelous Sulfate Manufacturers

Nickelous Sulfate Distributors/Traders/Wholesalers

Nickelous Sulfate Subcomponent Manufacturers

Industry Association

Downstream Vendors

Available Customizations

With the given market data, QYResearch offers customizations according to the company's specific needs. The following customization options are available for the report:

Regional and country-level analysis of the Nickelous Sulfate market, by end-use.

Detailed analysis and profiles of additional market players.

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