

# (COVID-19 Version) Global Nickelous Sulfate Market Status (2015-2019) and Forecast (2020-2025) by Region, Product Type & End-Use

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## Abstracts

### SUMMARY

Nickelous Sulfate, usually refers to the inorganic compound with the formula  $\text{NiSO}_4 \cdot 6\text{H}_2\text{O}$ . 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

The report forecast global Nickelous Sulfate market to grow to reach xxx Million USD in 2020 with a CAGR of xx% during the period 2020-2025 due to coronavirus situation.

The report offers detailed coverage of Nickelous Sulfate industry and main market trends with impact of coronavirus. The market research includes historical and forecast market data, demand, application details, price trends, and company shares of the leading Nickelous Sulfate by geography. The report splits the market size, by volume and value, on the basis of application type and geography.

First, this report covers the present status and the future prospects of the global

Nickelous Sulfate market for 2015-2024.

And in this report, we analyze global market from 5 geographies: Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia], Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland], North America[United States, Canada, Mexico], Middle East & Africa[GCC, North Africa, South Africa], South America[Brazil, Argentina, Columbia, Chile, Peru].

At the same time, we classify Nickelous Sulfate according to the type, application by geography. More importantly, the report includes major countries market based on the type and application.

Finally, the report provides detailed profile and data information analysis of leading Nickelous Sulfate company.

Key Content of Chapters as follows (Including and can be customized) :

Part 1:

Market Overview, Development, and Segment by Type, Application & Region

Part 2:

Company information, Sales, Cost, Margin etc.

Part 3:

Global Market by company, Type, Application & Geography

Part 4:

Asia-Pacific Market by Type, Application & Geography

Part 5:

Europe Market by Type, Application & Geography

Part 6:

North America Market by Type, Application & Geography

Part 7:

South America Market by Type, Application & Geography

Part 8:

Middle East & Africa Market by Type, Application & Geography

Part 9:

Market Features

Part 10:

Investment Opportunity

Part 11:

Conclusion

Market Segment as follows:

### By Region

Asia-Pacific[China, Southeast Asia, India, Japan, Korea, Western Asia]

Europe[Germany, UK, France, Italy, Russia, Spain, Netherlands, Turkey, Switzerland]

North America[United States, Canada, Mexico]

Middle East & Africa[GCC, North Africa, South Africa]

South America[Brazil, Argentina, Columbia, Chile, Peru]

### Key Companies

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

#### Market by Type

EN Grade

Plating Grade

High-Purity Grade

#### Market by Application

Electroplating

Chemical Industry

Battery

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