

## **Nickel Hydroxide Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)**

Market Report | 2025-08-12 | 169 pages | EMR Inc.

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### **Report description:**

The global nickel hydroxide market is being driven by the rising demand for electrochemical batteries. Aided by the utilisation as a catalyst, the market is expected to witness further growth in the forecast period of 2025-2034, growing at a CAGR of 5.00%.

The Asia Pacific Market to Be Aided by the Increased Demand for Batteries

The global market for nickel hydroxide is expected to record a healthy growth over the forecast period. Based on geography, the market is broadly classified into five major regions, namely North America, Europe, the Asia Pacific, Latin America, and the Middle East and Africa. The Asia Pacific is predicted to emerge as the key market for nickel hydroxide. China held a substantial amount of market share owing to the surging demand for electrochemical batteries .

Advancements in the electronic industry in countries such as Japan, South Korea, China, and India are expected to aid the nickel hydroxide industry in the Asia Pacific region. North America and Europe are also predicted to be significant regional markets. By application, the battery industry is a major segment contributing to the nickel hydroxide industry due to the increased demand for mid-high rate batteries.

Nickel hydroxide: Market Segmentation

Nickel hydroxide is a green, crystalline, inorganic compound that is generally used in rechargeable battery electrodes by oxidation to nickel (III) oxide-hydroxide. Theophrastrite, the mineral form of nickel hydroxide was discovered in Greece in 1980. Nickel hydroxide is an insoluble chemical compound having strong redox properties.

The major grades of nickel hydroxide are:

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- Battery Grade
- Reagent Grade
- Others

The market can be broadly categorised based on its applications into:

- Battery
- Electroplates
- Catalyst
- Others

The EMR report looks into the regional markets of nickel hydroxide like:

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Rising Demand for Electrochemical Batteries to Drive the Growth of the Nickel Hydroxide Industry

The global nickel hydroxide industry is being driven by the rising demand for batteries. Nickel hydroxide is used as electrodes in the electrochemical batteries. Superior performance, reliability, and extended battery life of nickel hydroxide batteries are anticipated to propel the market growth of the product. Nickel hydroxide is also employed as a catalyst in industrial water treatment processes. The rising environmental awareness is expected to fuel its application in chemical water treatment. Nickel hydroxide also finds its application in electrochemical processes like electrocatalysis, supercapacitors, electrochromic devices, photocatalysis, and electrochemical sensors. Furthermore, it is also used in the synthesis of nickel oxide, which is used in the ceramic, optic, and glass industry. These factors are expected to bolster the growth of nickel hydroxide during the forecast period of 2025-2034.

#### Key Industry Players in the Global Nickel Hydroxide Market

The report presents a detailed analysis of the following key players in the global nickel hydroxide market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Kansai Catalyst Co., Ltd.
- Norilsk Nickel Group
- Tinchem Enterprises
- Others

The comprehensive report looks into the macro and micro aspects of the industry. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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