

Global Nickel Oxyhydroxide Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Nickel Oxyhydroxide market size is expected to reach \$ 1371 million by 2032, rising at a market growth of 6.5% CAGR during the forecast period (2026-2032).

Nickel oxyhydroxide is a transition metal oxyhydroxide compound typically formed by the electrochemical oxidation of nickel hydroxide (Ni(OH)₂), widely used as an active material in alkaline batteries (such as NiMH and Ni–Cd), supercapacitors, and electrocatalysts for oxygen evolution reactions (OER). Its supply chain begins upstream with nickel resources (primarily laterite and sulfide ores) mined and refined into high-purity nickel salts (e.g., nickel sulfate or nickel nitrate), followed by chemical precipitation to produce nickel hydroxide precursors. In the midstream, these precursors undergo controlled oxidation—either chemically or electrochemically—to form α -NiOOH or β -NiOOH phases, often with doping (e.g., cobalt, aluminum) to enhance conductivity and cycling stability. Downstream processing includes material conditioning (particle size control, coating, electrode slurry formulation) and integration into battery electrodes or catalytic systems. The end supply chain serves industries such as energy storage (rechargeable batteries), renewable energy (water electrolysis), and electronics, with key participants including mining companies, chemical producers, battery material manufacturers, and device integrators. In 2025, global Nickel Oxyhydroxide output was about 220,000 tons with 300,000 tons of capacity, average prices of USD 3,500 – 7,000 per ton, and gross margins around 29%.

This report studies the global Nickel Oxyhydroxide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Nickel Oxyhydroxide and provides market size (US\$ million) and Year-over-Year (YoY)

Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Nickel Oxyhydroxide that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Nickel Oxyhydroxide total production and demand, 2021-2032, (Kilotons)

Global Nickel Oxyhydroxide total production value, 2021-2032, (USD Million)

Global Nickel Oxyhydroxide production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons), (based on production site)

Global Nickel Oxyhydroxide consumption by region & country, CAGR, 2021-2032 & (Kilotons)

U.S. VS China: Nickel Oxyhydroxide domestic production, consumption, key domestic manufacturers and share

Global Nickel Oxyhydroxide production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Kilotons)

Global Nickel Oxyhydroxide production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

Global Nickel Oxyhydroxide production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Kilotons)

This report profiles key players in the global Nickel Oxyhydroxide market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Sasol (South Africa), TOR Minerals (USA), Blue Grass Chemical (USA), Nabaltec (Germany), Dequachim (Belgium), BASF (Germany), Silkem (Slovenia), LANXESS (Germany), TAIMEI Chemicals (Japan), Osang Group (South Korea), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Nickel Oxyhydroxide market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Kilotons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by

year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Nickel Oxyhydroxide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Nickel Oxyhydroxide Market, Segmentation by Type:

Industrial Grade (90-99%)

High-Purity Grade (>99%)

Global Nickel Oxyhydroxide Market, Segmentation by Crystal Structure:

?-phase

?-phase

Global Nickel Oxyhydroxide Market, Segmentation by Application:

Battery Material

Supercapacitor

Electrochemical

Others

Companies Profiled:

Sasol (South Africa)

TOR Minerals (USA)

Blue Grass Chemical (USA)

Nabaltec (Germany)

Dequachim (Belgium)

BASF (Germany)

Silkem (Slovenia)

LANXESS (Germany)

TAIMEI Chemicals (Japan)

Osang Group (South Korea)

Sinocera Functional Materials (China)

Shanghai Putailai (China)

Anhui Estone Materials (China)

Tianjin Boyuan New Materials (China)

Hindalco Industries (India)

Key Questions Answered:

1. How big is the global Nickel Oxyhydroxide market?
2. What is the demand of the global Nickel Oxyhydroxide market?
3. What is the year over year growth of the global Nickel Oxyhydroxide market?
4. What is the production and production value of the global Nickel Oxyhydroxide market?
5. Who are the key producers in the global Nickel Oxyhydroxide market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Nickel Oxyhydroxide Introduction
- 1.2 World Nickel Oxyhydroxide Supply & Forecast
 - 1.2.1 World Nickel Oxyhydroxide Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Nickel Oxyhydroxide Production (2021-2032)
 - 1.2.3 World Nickel Oxyhydroxide Pricing Trends (2021-2032)
- 1.3 World Nickel Oxyhydroxide Production by Region (Based on Production Site)
 - 1.3.1 World Nickel Oxyhydroxide Production Value by Region (2021-2032)
 - 1.3.2 World Nickel Oxyhydroxide Production by Region (2021-2032)
 - 1.3.3 World Nickel Oxyhydroxide Average Price by Region (2021-2032)
 - 1.3.4 North America Nickel Oxyhydroxide Production (2021-2032)
 - 1.3.5 Europe Nickel Oxyhydroxide Production (2021-2032)
 - 1.3.6 China Nickel Oxyhydroxide Production (2021-2032)
 - 1.3.7 Japan Nickel Oxyhydroxide Production (2021-2032)
 - 1.3.8 India Nickel Oxyhydroxide Production (2021-2032)
 - 1.3.9 Southeast Asia Nickel Oxyhydroxide Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Nickel Oxyhydroxide Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Nickel Oxyhydroxide Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Nickel Oxyhydroxide Demand (2021-2032)
- 2.2 World Nickel Oxyhydroxide Consumption by Region
 - 2.2.1 World Nickel Oxyhydroxide Consumption by Region (2021-2026)
 - 2.2.2 World Nickel Oxyhydroxide Consumption Forecast by Region (2027-2032)
- 2.3 United States Nickel Oxyhydroxide Consumption (2021-2032)
- 2.4 China Nickel Oxyhydroxide Consumption (2021-2032)
- 2.5 Europe Nickel Oxyhydroxide Consumption (2021-2032)
- 2.6 Japan Nickel Oxyhydroxide Consumption (2021-2032)
- 2.7 South Korea Nickel Oxyhydroxide Consumption (2021-2032)
- 2.8 ASEAN Nickel Oxyhydroxide Consumption (2021-2032)
- 2.9 India Nickel Oxyhydroxide Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Nickel Oxyhydroxide Production Value by Manufacturer (2021-2026)
- 3.2 World Nickel Oxyhydroxide Production by Manufacturer (2021-2026)
- 3.3 World Nickel Oxyhydroxide Average Price by Manufacturer (2021-2026)
- 3.4 Nickel Oxyhydroxide Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Nickel Oxyhydroxide Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Nickel Oxyhydroxide in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Nickel Oxyhydroxide in 2025
- 3.6 Nickel Oxyhydroxide Market: Overall Company Footprint Analysis
 - 3.6.1 Nickel Oxyhydroxide Market: Region Footprint
 - 3.6.2 Nickel Oxyhydroxide Market: Company Product Type Footprint
 - 3.6.3 Nickel Oxyhydroxide Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Nickel Oxyhydroxide Production Value Comparison
 - 4.1.1 United States VS China: Nickel Oxyhydroxide Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Nickel Oxyhydroxide Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Nickel Oxyhydroxide Production Comparison
 - 4.2.1 United States VS China: Nickel Oxyhydroxide Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Nickel Oxyhydroxide Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Nickel Oxyhydroxide Consumption Comparison
 - 4.3.1 United States VS China: Nickel Oxyhydroxide Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Nickel Oxyhydroxide Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Nickel Oxyhydroxide Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Nickel Oxyhydroxide Production Value (2021-2026)

4.4.3 United States Based Manufacturers Nickel Oxyhydroxide Production (2021-2026)

4.5 China Based Nickel Oxyhydroxide Manufacturers and Market Share

4.5.1 China Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Nickel Oxyhydroxide Production Value (2021-2026)

4.5.3 China Based Manufacturers Nickel Oxyhydroxide Production (2021-2026)

4.6 Rest of World Based Nickel Oxyhydroxide Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Nickel Oxyhydroxide Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Nickel Oxyhydroxide Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Nickel Oxyhydroxide Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Industrial Grade (90-99%)

5.2.2 High-Purity Grade (>99%)

5.3 Market Segment by Type

5.3.1 World Nickel Oxyhydroxide Production by Type (2021-2032)

5.3.2 World Nickel Oxyhydroxide Production Value by Type (2021-2032)

5.3.3 World Nickel Oxyhydroxide Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY CRYSTAL STRUCTURE

6.1 World Nickel Oxyhydroxide Market Size Overview by Crystal Structure: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Crystal Structure

6.2.1 ?-phase

6.2.2 ?-phase

6.3 Market Segment by Crystal Structure

- 6.3.1 World Nickel Oxyhydroxide Production by Crystal Structure (2021-2032)
- 6.3.2 World Nickel Oxyhydroxide Production Value by Crystal Structure (2021-2032)
- 6.3.3 World Nickel Oxyhydroxide Average Price by Crystal Structure (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

- 7.1 World Nickel Oxyhydroxide Market Size Overview by Application: 2021 VS 2025 VS 2032
- 7.2 Segment Introduction by Application
 - 7.2.1 Battery Material
 - 7.2.2 Supercapacitor
 - 7.2.3 Electrochemical
 - 7.2.4 Others
- 7.3 Market Segment by Application
 - 7.3.1 World Nickel Oxyhydroxide Production by Application (2021-2032)
 - 7.3.2 World Nickel Oxyhydroxide Production Value by Application (2021-2032)
 - 7.3.3 World Nickel Oxyhydroxide Average Price by Application (2021-2032)

8 COMPANY PROFILES

- 8.1 Sasol (South Africa)
 - 8.1.1 Sasol (South Africa) Details
 - 8.1.2 Sasol (South Africa) Major Business
 - 8.1.3 Sasol (South Africa) Nickel Oxyhydroxide Product and Services
 - 8.1.4 Sasol (South Africa) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.1.5 Sasol (South Africa) Recent Developments/Updates
 - 8.1.6 Sasol (South Africa) Competitive Strengths & Weaknesses
- 8.2 TOR Minerals (USA)
 - 8.2.1 TOR Minerals (USA) Details
 - 8.2.2 TOR Minerals (USA) Major Business
 - 8.2.3 TOR Minerals (USA) Nickel Oxyhydroxide Product and Services
 - 8.2.4 TOR Minerals (USA) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.2.5 TOR Minerals (USA) Recent Developments/Updates
 - 8.2.6 TOR Minerals (USA) Competitive Strengths & Weaknesses
- 8.3 Blue Grass Chemical (USA)
 - 8.3.1 Blue Grass Chemical (USA) Details
 - 8.3.2 Blue Grass Chemical (USA) Major Business

- 8.3.3 Blue Grass Chemical (USA) Nickel Oxyhydroxide Product and Services
- 8.3.4 Blue Grass Chemical (USA) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.3.5 Blue Grass Chemical (USA) Recent Developments/Updates
- 8.3.6 Blue Grass Chemical (USA) Competitive Strengths & Weaknesses
- 8.4 Nabaltec (Germany)
 - 8.4.1 Nabaltec (Germany) Details
 - 8.4.2 Nabaltec (Germany) Major Business
 - 8.4.3 Nabaltec (Germany) Nickel Oxyhydroxide Product and Services
 - 8.4.4 Nabaltec (Germany) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 Nabaltec (Germany) Recent Developments/Updates
 - 8.4.6 Nabaltec (Germany) Competitive Strengths & Weaknesses
- 8.5 Dequachim (Belgium)
 - 8.5.1 Dequachim (Belgium) Details
 - 8.5.2 Dequachim (Belgium) Major Business
 - 8.5.3 Dequachim (Belgium) Nickel Oxyhydroxide Product and Services
 - 8.5.4 Dequachim (Belgium) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.5.5 Dequachim (Belgium) Recent Developments/Updates
 - 8.5.6 Dequachim (Belgium) Competitive Strengths & Weaknesses
- 8.6 BASF (Germany)
 - 8.6.1 BASF (Germany) Details
 - 8.6.2 BASF (Germany) Major Business
 - 8.6.3 BASF (Germany) Nickel Oxyhydroxide Product and Services
 - 8.6.4 BASF (Germany) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.6.5 BASF (Germany) Recent Developments/Updates
 - 8.6.6 BASF (Germany) Competitive Strengths & Weaknesses
- 8.7 Silkem (Slovenia)
 - 8.7.1 Silkem (Slovenia) Details
 - 8.7.2 Silkem (Slovenia) Major Business
 - 8.7.3 Silkem (Slovenia) Nickel Oxyhydroxide Product and Services
 - 8.7.4 Silkem (Slovenia) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.7.5 Silkem (Slovenia) Recent Developments/Updates
 - 8.7.6 Silkem (Slovenia) Competitive Strengths & Weaknesses
- 8.8 LANXESS (Germany)
 - 8.8.1 LANXESS (Germany) Details

- 8.8.2 LANXESS (Germany) Major Business
- 8.8.3 LANXESS (Germany) Nickel Oxyhydroxide Product and Services
- 8.8.4 LANXESS (Germany) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.8.5 LANXESS (Germany) Recent Developments/Updates
- 8.8.6 LANXESS (Germany) Competitive Strengths & Weaknesses
- 8.9 TAIMEI Chemicals (Japan)
 - 8.9.1 TAIMEI Chemicals (Japan) Details
 - 8.9.2 TAIMEI Chemicals (Japan) Major Business
 - 8.9.3 TAIMEI Chemicals (Japan) Nickel Oxyhydroxide Product and Services
 - 8.9.4 TAIMEI Chemicals (Japan) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.9.5 TAIMEI Chemicals (Japan) Recent Developments/Updates
 - 8.9.6 TAIMEI Chemicals (Japan) Competitive Strengths & Weaknesses
- 8.10 Osang Group (South Korea)
 - 8.10.1 Osang Group (South Korea) Details
 - 8.10.2 Osang Group (South Korea) Major Business
 - 8.10.3 Osang Group (South Korea) Nickel Oxyhydroxide Product and Services
 - 8.10.4 Osang Group (South Korea) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Osang Group (South Korea) Recent Developments/Updates
 - 8.10.6 Osang Group (South Korea) Competitive Strengths & Weaknesses
- 8.11 Sinocera Functional Materials (China)
 - 8.11.1 Sinocera Functional Materials (China) Details
 - 8.11.2 Sinocera Functional Materials (China) Major Business
 - 8.11.3 Sinocera Functional Materials (China) Nickel Oxyhydroxide Product and Services
 - 8.11.4 Sinocera Functional Materials (China) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Sinocera Functional Materials (China) Recent Developments/Updates
 - 8.11.6 Sinocera Functional Materials (China) Competitive Strengths & Weaknesses
- 8.12 Shanghai Putailai (China)
 - 8.12.1 Shanghai Putailai (China) Details
 - 8.12.2 Shanghai Putailai (China) Major Business
 - 8.12.3 Shanghai Putailai (China) Nickel Oxyhydroxide Product and Services
 - 8.12.4 Shanghai Putailai (China) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.12.5 Shanghai Putailai (China) Recent Developments/Updates
 - 8.12.6 Shanghai Putailai (China) Competitive Strengths & Weaknesses

8.13 Anhui Estone Materials (China)

8.13.1 Anhui Estone Materials (China) Details

8.13.2 Anhui Estone Materials (China) Major Business

8.13.3 Anhui Estone Materials (China) Nickel Oxyhydroxide Product and Services

8.13.4 Anhui Estone Materials (China) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.13.5 Anhui Estone Materials (China) Recent Developments/Updates

8.13.6 Anhui Estone Materials (China) Competitive Strengths & Weaknesses

8.14 Tianjin Boyuan New Materials (China)

8.14.1 Tianjin Boyuan New Materials (China) Details

8.14.2 Tianjin Boyuan New Materials (China) Major Business

8.14.3 Tianjin Boyuan New Materials (China) Nickel Oxyhydroxide Product and Services

8.14.4 Tianjin Boyuan New Materials (China) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 Tianjin Boyuan New Materials (China) Recent Developments/Updates

8.14.6 Tianjin Boyuan New Materials (China) Competitive Strengths & Weaknesses

8.15 Hindalco Industries (India)

8.15.1 Hindalco Industries (India) Details

8.15.2 Hindalco Industries (India) Major Business

8.15.3 Hindalco Industries (India) Nickel Oxyhydroxide Product and Services

8.15.4 Hindalco Industries (India) Nickel Oxyhydroxide Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.15.5 Hindalco Industries (India) Recent Developments/Updates

8.15.6 Hindalco Industries (India) Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Nickel Oxyhydroxide Industry Chain

9.2 Nickel Oxyhydroxide Upstream Analysis

9.2.1 Nickel Oxyhydroxide Core Raw Materials

9.2.2 Main Manufacturers of Nickel Oxyhydroxide Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Nickel Oxyhydroxide Production Mode

9.6 Nickel Oxyhydroxide Procurement Model

9.7 Nickel Oxyhydroxide Industry Sales Model and Sales Channels

9.7.1 Nickel Oxyhydroxide Sales Model

9.7.2 Nickel Oxyhydroxide Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Nickel Oxyhydroxide Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Nickel Oxyhydroxide Production Value by Region (2021-2026) & (USD Million)

Table 3. World Nickel Oxyhydroxide Production Value by Region (2027-2032) & (USD Million)

Table 4. World Nickel Oxyhydroxide Production Value Market Share by Region (2021-2026)

Table 5. World Nickel Oxyhydroxide Production Value Market Share by Region (2027-2032)

Table 6. World Nickel Oxyhydroxide Production by Region (2021-2026) & (Kilotons)

Table 7. World Nickel Oxyhydroxide Production by Region (2027-2032) & (Kilotons)

Table 8. World Nickel Oxyhydroxide Production Market Share by Region (2021-2026)

Table 9. World Nickel Oxyhydroxide Production Market Share by Region (2027-2032)

Table 10. World Nickel Oxyhydroxide Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Nickel Oxyhydroxide Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Nickel Oxyhydroxide Major Market Trends

Table 13. World Nickel Oxyhydroxide Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Kilotons)

Table 14. World Nickel Oxyhydroxide Consumption by Region (2021-2026) & (Kilotons)

Table 15. World Nickel Oxyhydroxide Consumption Forecast by Region (2027-2032) & (Kilotons)

Table 16. World Nickel Oxyhydroxide Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Nickel Oxyhydroxide Producers in 2025

Table 18. World Nickel Oxyhydroxide Production by Manufacturer (2021-2026) & (Kilotons)

Table 19. Production Market Share of Key Nickel Oxyhydroxide Producers in 2025

Table 20. World Nickel Oxyhydroxide Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Nickel Oxyhydroxide Company Evaluation Quadrant

Table 22. World Nickel Oxyhydroxide Industry Rank of Major Manufacturers, Based on

Production Value in 2025

Table 23. Head Office and Nickel Oxyhydroxide Production Site of Key Manufacturer

Table 24. Nickel Oxyhydroxide Market: Company Product Type Footprint

Table 25. Nickel Oxyhydroxide Market: Company Product Application Footprint

Table 26. Nickel Oxyhydroxide Competitive Factors

Table 27. Nickel Oxyhydroxide New Entrant and Capacity Expansion Plans

Table 28. Nickel Oxyhydroxide Mergers & Acquisitions Activity

Table 29. United States VS China Nickel Oxyhydroxide Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Nickel Oxyhydroxide Production Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 31. United States VS China Nickel Oxyhydroxide Consumption Comparison, (2021 & 2025 & 2032) & (Kilotons)

Table 32. United States Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Nickel Oxyhydroxide Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Nickel Oxyhydroxide Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Nickel Oxyhydroxide Production (2021-2026) & (Kilotons)

Table 36. United States Based Manufacturers Nickel Oxyhydroxide Production Market Share (2021-2026)

Table 37. China Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Nickel Oxyhydroxide Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Nickel Oxyhydroxide Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Nickel Oxyhydroxide Production, (2021-2026) & (Kilotons)

Table 41. China Based Manufacturers Nickel Oxyhydroxide Production Market Share (2021-2026)

Table 42. Rest of World Based Nickel Oxyhydroxide Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Nickel Oxyhydroxide Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Nickel Oxyhydroxide Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Nickel Oxyhydroxide Production, (2021-2026) & (Kilotons)

Table 46. Rest of World Based Manufacturers Nickel Oxyhydroxide Production Market Share (2021-2026)

Table 47. World Nickel Oxyhydroxide Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Nickel Oxyhydroxide Production by Type (2021-2026) & (Kilotons)

Table 49. World Nickel Oxyhydroxide Production by Type (2027-2032) & (Kilotons)

Table 50. World Nickel Oxyhydroxide Production Value by Type (2021-2026) & (USD Million)

Table 51. World Nickel Oxyhydroxide Production Value by Type (2027-2032) & (USD Million)

Table 52. World Nickel Oxyhydroxide Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Nickel Oxyhydroxide Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Nickel Oxyhydroxide Production Value by Crystal Structure, (USD Million), 2021 & 2025 & 2032

Table 55. World Nickel Oxyhydroxide Production by Crystal Structure (2021-2026) & (Kilotons)

Table 56. World Nickel Oxyhydroxide Production by Crystal Structure (2027-2032) & (Kilotons)

Table 57. World Nickel Oxyhydroxide Production Value by Crystal Structure (2021-2026) & (USD Million)

Table 58. World Nickel Oxyhydroxide Production Value by Crystal Structure (2027-2032) & (USD Million)

Table 59. World Nickel Oxyhydroxide Average Price by Crystal Structure (2021-2026) & (US\$/Ton)

Table 60. World Nickel Oxyhydroxide Average Price by Crystal Structure (2027-2032) & (US\$/Ton)

Table 61. World Nickel Oxyhydroxide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Nickel Oxyhydroxide Production by Application (2021-2026) & (Kilotons)

Table 63. World Nickel Oxyhydroxide Production by Application (2027-2032) & (Kilotons)

Table 64. World Nickel Oxyhydroxide Production Value by Application (2021-2026) & (USD Million)

Table 65. World Nickel Oxyhydroxide Production Value by Application (2027-2032) & (USD Million)

Table 66. World Nickel Oxyhydroxide Average Price by Application (2021-2026) &

(US\$/Ton)

Table 67. World Nickel Oxyhydroxide Average Price by Application (2027-2032) & (US\$/Ton)

Table 68. Sasol (South Africa) Basic Information, Manufacturing Base and Competitors

Table 69. Sasol (South Africa) Major Business

Table 70. Sasol (South Africa) Nickel Oxyhydroxide Product and Services

Table 71. Sasol (South Africa) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Sasol (South Africa) Recent Developments/Updates

Table 73. Sasol (South Africa) Competitive Strengths & Weaknesses

Table 74. TOR Minerals (USA) Basic Information, Manufacturing Base and Competitors

Table 75. TOR Minerals (USA) Major Business

Table 76. TOR Minerals (USA) Nickel Oxyhydroxide Product and Services

Table 77. TOR Minerals (USA) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. TOR Minerals (USA) Recent Developments/Updates

Table 79. TOR Minerals (USA) Competitive Strengths & Weaknesses

Table 80. Blue Grass Chemical (USA) Basic Information, Manufacturing Base and Competitors

Table 81. Blue Grass Chemical (USA) Major Business

Table 82. Blue Grass Chemical (USA) Nickel Oxyhydroxide Product and Services

Table 83. Blue Grass Chemical (USA) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Blue Grass Chemical (USA) Recent Developments/Updates

Table 85. Blue Grass Chemical (USA) Competitive Strengths & Weaknesses

Table 86. Nabaltec (Germany) Basic Information, Manufacturing Base and Competitors

Table 87. Nabaltec (Germany) Major Business

Table 88. Nabaltec (Germany) Nickel Oxyhydroxide Product and Services

Table 89. Nabaltec (Germany) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Nabaltec (Germany) Recent Developments/Updates

Table 91. Nabaltec (Germany) Competitive Strengths & Weaknesses

Table 92. Dequachim (Belgium) Basic Information, Manufacturing Base and Competitors

Table 93. Dequachim (Belgium) Major Business

- Table 94. Dequachim (Belgium) Nickel Oxyhydroxide Product and Services
- Table 95. Dequachim (Belgium) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 96. Dequachim (Belgium) Recent Developments/Updates
- Table 97. Dequachim (Belgium) Competitive Strengths & Weaknesses
- Table 98. BASF (Germany) Basic Information, Manufacturing Base and Competitors
- Table 99. BASF (Germany) Major Business
- Table 100. BASF (Germany) Nickel Oxyhydroxide Product and Services
- Table 101. BASF (Germany) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 102. BASF (Germany) Recent Developments/Updates
- Table 103. BASF (Germany) Competitive Strengths & Weaknesses
- Table 104. Silkem (Slovenia) Basic Information, Manufacturing Base and Competitors
- Table 105. Silkem (Slovenia) Major Business
- Table 106. Silkem (Slovenia) Nickel Oxyhydroxide Product and Services
- Table 107. Silkem (Slovenia) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 108. Silkem (Slovenia) Recent Developments/Updates
- Table 109. Silkem (Slovenia) Competitive Strengths & Weaknesses
- Table 110. LANXESS (Germany) Basic Information, Manufacturing Base and Competitors
- Table 111. LANXESS (Germany) Major Business
- Table 112. LANXESS (Germany) Nickel Oxyhydroxide Product and Services
- Table 113. LANXESS (Germany) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 114. LANXESS (Germany) Recent Developments/Updates
- Table 115. LANXESS (Germany) Competitive Strengths & Weaknesses
- Table 116. TAIMEI Chemicals (Japan) Basic Information, Manufacturing Base and Competitors
- Table 117. TAIMEI Chemicals (Japan) Major Business
- Table 118. TAIMEI Chemicals (Japan) Nickel Oxyhydroxide Product and Services
- Table 119. TAIMEI Chemicals (Japan) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 120. TAIMEI Chemicals (Japan) Recent Developments/Updates

- Table 121. TAIMEI Chemicals (Japan) Competitive Strengths & Weaknesses
- Table 122. Osang Group (South Korea) Basic Information, Manufacturing Base and Competitors
- Table 123. Osang Group (South Korea) Major Business
- Table 124. Osang Group (South Korea) Nickel Oxyhydroxide Product and Services
- Table 125. Osang Group (South Korea) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 126. Osang Group (South Korea) Recent Developments/Updates
- Table 127. Osang Group (South Korea) Competitive Strengths & Weaknesses
- Table 128. Sinocera Functional Materials (China) Basic Information, Manufacturing Base and Competitors
- Table 129. Sinocera Functional Materials (China) Major Business
- Table 130. Sinocera Functional Materials (China) Nickel Oxyhydroxide Product and Services
- Table 131. Sinocera Functional Materials (China) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 132. Sinocera Functional Materials (China) Recent Developments/Updates
- Table 133. Sinocera Functional Materials (China) Competitive Strengths & Weaknesses
- Table 134. Shanghai Putailai (China) Basic Information, Manufacturing Base and Competitors
- Table 135. Shanghai Putailai (China) Major Business
- Table 136. Shanghai Putailai (China) Nickel Oxyhydroxide Product and Services
- Table 137. Shanghai Putailai (China) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 138. Shanghai Putailai (China) Recent Developments/Updates
- Table 139. Shanghai Putailai (China) Competitive Strengths & Weaknesses
- Table 140. Anhui Estone Materials (China) Basic Information, Manufacturing Base and Competitors
- Table 141. Anhui Estone Materials (China) Major Business
- Table 142. Anhui Estone Materials (China) Nickel Oxyhydroxide Product and Services
- Table 143. Anhui Estone Materials (China) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
- Table 144. Anhui Estone Materials (China) Recent Developments/Updates
- Table 145. Anhui Estone Materials (China) Competitive Strengths & Weaknesses
- Table 146. Tianjin Boyuan New Materials (China) Basic Information, Manufacturing

Base and Competitors

Table 147. Tianjin Boyuan New Materials (China) Major Business

Table 148. Tianjin Boyuan New Materials (China) Nickel Oxyhydroxide Product and Services

Table 149. Tianjin Boyuan New Materials (China) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Tianjin Boyuan New Materials (China) Recent Developments/Updates

Table 151. Tianjin Boyuan New Materials (China) Competitive Strengths & Weaknesses

Table 152. Hindalco Industries (India) Basic Information, Manufacturing Base and Competitors

Table 153. Hindalco Industries (India) Major Business

Table 154. Hindalco Industries (India) Nickel Oxyhydroxide Product and Services

Table 155. Hindalco Industries (India) Nickel Oxyhydroxide Production (Kilotons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. Hindalco Industries (India) Recent Developments/Updates

Table 157. Hindalco Industries (India) Competitive Strengths & Weaknesses

Table 158. Global Key Players of Nickel Oxyhydroxide Upstream (Raw Materials)

Table 159. Global Nickel Oxyhydroxide Typical Customers

Table 160. Nickel Oxyhydroxide Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Nickel Oxyhydroxide Picture

Figure 2. World Nickel Oxyhydroxide Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Nickel Oxyhydroxide Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 5. World Nickel Oxyhydroxide Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Nickel Oxyhydroxide Production Value Market Share by Region (2021-2032)

Figure 7. World Nickel Oxyhydroxide Production Market Share by Region (2021-2032)

Figure 8. North America Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 9. Europe Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 10. China Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 11. Japan Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 12. India Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 13. Southeast Asia Nickel Oxyhydroxide Production (2021-2032) & (Kilotons)

Figure 14. Nickel Oxyhydroxide Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 17. World Nickel Oxyhydroxide Consumption Market Share by Region (2021-2032)

Figure 18. United States Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 19. China Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 20. Europe Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 21. Japan Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 22. South Korea Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 23. ASEAN Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 24. India Nickel Oxyhydroxide Consumption (2021-2032) & (Kilotons)

Figure 25. Producer Shipments of Nickel Oxyhydroxide by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Nickel Oxyhydroxide Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Nickel Oxyhydroxide Markets in 2025

Figure 28. United States VS China: Nickel Oxyhydroxide Production Value Market

Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Nickel Oxyhydroxide Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Nickel Oxyhydroxide Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Nickel Oxyhydroxide Production Market Share 2025

Figure 32. China Based Manufacturers Nickel Oxyhydroxide Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Nickel Oxyhydroxide Production Market Share 2025

Figure 34. World Nickel Oxyhydroxide Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Nickel Oxyhydroxide Production Value Market Share by Type in 2025

Figure 36. Industrial Grade (90-99%)

Figure 37. High-Purity Grade (>99%)

Figure 38. World Nickel Oxyhydroxide Production Market Share by Type (2021-2032)

Figure 39. World Nickel Oxyhydroxide Production Value Market Share by Type (2021-2032)

Figure 40. World Nickel Oxyhydroxide Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. World Nickel Oxyhydroxide Production Value by Crystal Structure, (USD Million), 2021 & 2025 & 2032

Figure 42. World Nickel Oxyhydroxide Production Value Market Share by Crystal Structure in 2025

Figure 43. α -phase

Figure 44. β -phase

Figure 45. World Nickel Oxyhydroxide Production Market Share by Crystal Structure (2021-2032)

Figure 46. World Nickel Oxyhydroxide Production Value Market Share by Crystal Structure (2021-2032)

Figure 47. World Nickel Oxyhydroxide Average Price by Crystal Structure (2021-2032) & (US\$/Ton)

Figure 48. World Nickel Oxyhydroxide Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 49. World Nickel Oxyhydroxide Production Value Market Share by Application in 2025

Figure 50. Battery Material

Figure 51. Supercapacitor

Figure 52. Electrochemical

Figure 53. Others

Figure 54. World Nickel Oxyhydroxide Production Market Share by Application (2021-2032)

Figure 55. World Nickel Oxyhydroxide Production Value Market Share by Application (2021-2032)

Figure 56. World Nickel Oxyhydroxide Average Price by Application (2021-2032) & (US\$/Ton)

Figure 57. Nickel Oxyhydroxide Industry Chain

Figure 58. Nickel Oxyhydroxide Procurement Model

Figure 59. Nickel Oxyhydroxide Sales Model

Figure 60. Nickel Oxyhydroxide Sales Channels, Direct Sales, and Distribution

Figure 61. Methodology

Figure 62. Research Process and Data Source

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