

# Global Sulphur-activated Carbonyl Nickel Pellets Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Sulphur-activated Carbonyl Nickel Pellets market size is expected to reach \$ 866 million by 2032, rising at a market growth of 3.8% CAGR during the forecast period (2026-2032).

Sulphur-activated Carbonyl Nickel Pellets are a high-purity, granular nickel metal product produced by carbonyl metallurgy. The addition of sulfur during the decomposition process specifically optimizes its dissolution properties for electroplating and chemical processing applications. It features high purity, low impurities, and rapid dissolution.

The key upstream raw materials are high-purity nickel metal and its oxides. The key to producing this product lies in the 'carbonyl method' refining process, which involves reacting carbon monoxide with nickel to form gaseous nickel carbonyl, followed by thermal decomposition and reduction. The unique aspect of the upstream process lies in the precise control of sulfur content. Sulfur, acting as an activator, needs to be uniformly embedded into the nickel matrix during the gas-phase decomposition process. This requires much higher standards for equipment corrosion protection and process stability than ordinary refined nickel.

Global sales are expected to reach tens of thousands of tons in 2025, with an average market price of approximately US\$22,000 per ton. The industry's gross profit margin is in the range of 20%-35%.

This report studies the global Sulphur-activated Carbonyl Nickel Pellets production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Sulphur-

activated Carbonyl Nickel Pellets 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 Sulphur-activated Carbonyl Nickel Pellets that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global Sulphur-activated Carbonyl Nickel Pellets total production and demand, 2021-2032, (Tons)

Global Sulphur-activated Carbonyl Nickel Pellets total production value, 2021-2032, (USD Million)

Global Sulphur-activated Carbonyl Nickel Pellets production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Sulphur-activated Carbonyl Nickel Pellets consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Sulphur-activated Carbonyl Nickel Pellets domestic production, consumption, key domestic manufacturers and share

Global Sulphur-activated Carbonyl Nickel Pellets production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Sulphur-activated Carbonyl Nickel Pellets production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Sulphur-activated Carbonyl Nickel Pellets production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Sulphur-activated Carbonyl Nickel Pellets 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 Vale, Jinchuan Group, 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 Sulphur-activated Carbonyl Nickel Pellets market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (K 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 Sulphur-activated Carbonyl Nickel Pellets Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Sulphur-activated Carbonyl Nickel Pellets Market, Segmentation by Type:

Ni?99.99%

Ni?99.9%

Other

#### Global Sulphur-activated Carbonyl Nickel Pellets Market, Segmentation by Particle Size:

5-20mm

Other

## Global Sulphur-activated Carbonyl Nickel Pellets Market, Segmentation by Application:

Aerospace

Electronics

New Energy

Other

## Companies Profiled:

Vale

Jinchuan Group

## Key Questions Answered:

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

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