

Global Sodium Permanganate Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Sodium Permanganate market size is expected to reach \$ 96 million by 2032, rising at a market growth of 3.9% CAGR during the forecast period (2026-2032).

Sodium permanganate is the inorganic compound with the formula NaMnO_4 . It is a purplish colored crystalline solid. Sodium permanganate is a more convenient and concentrated form of permanganate when used for electronics and organic oxidation of fine chemicals and pharmaceuticals. It is also an effective oxidant recommended for potable drinking water applications including iron removal, manganese removal, mercaptan odor control, color reduction, and radium reduction. In 2024, global Sodium Permanganate production reached approximately 15.16 K MT, with an average global market price of around US\$ 4562 per MT.

Sodium permanganate (NaMnO_4) is a strong oxidizing agent produced in crystalline or liquid form, with solubility and reactivity advantages over potassium permanganate. It is commonly used in water treatment for removing iron, manganese, and hydrogen sulfide, as well as in odor control, industrial cleaning, and remediation of contaminated soils and groundwater. Its powerful oxidizing properties also make it useful in specialty chemical synthesis, electronics, and pharmaceutical applications. The global production capacity is approximately 22,000 tons, with gross profit margins ranging from 10%–33%. Typical single-line production plants have a capacity of about 1,000–2,000 tons.

The industry chain begins upstream with raw materials such as manganese ore, caustic soda, and sodium salts, which are processed into sodium permanganate via chemical oxidation of manganate intermediates. In the midstream, sodium permanganate is produced through electrochemical or chemical processes, then concentrated, crystallized, or formulated into liquid solutions for commercial use. Downstream, its

primary consumers are municipal water treatment facilities, industrial wastewater treatment plants, soil and groundwater remediation services, and manufacturers of fine chemicals and electronics. Because sodium permanganate is highly reactive and hazardous, strict handling, transportation, and storage standards are required, which raises technical and logistical barriers to entry.

Market drivers include the increasing global demand for clean and safe water, with utilities and municipalities adopting sodium permanganate for advanced water purification and odor/manganese removal. Environmental regulations and the growing need for soil and groundwater remediation are also key factors driving demand, especially in regions tackling industrial contamination. Expanding industrial cleaning, chemical synthesis, and electronics sectors further support market growth, as sodium permanganate provides precise, powerful oxidation capabilities compared to alternatives.

However, the market faces challenges such as high production costs due to energy-intensive processes and reliance on stable manganese ore supply. Its strong oxidative properties, while beneficial in applications, also increase safety risks and require specialized infrastructure for handling, which limits the number of qualified producers and users. Furthermore, competition from potassium permanganate—often cheaper and more widely available—restricts sodium permanganate to specific niches where its higher solubility or liquid form offers unique advantages. These challenges, combined with regulatory compliance costs, mean that growth is steady but limited, with the market remaining concentrated among a few established producers.

This report studies the global Sodium Permanganate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Sodium Permanganate 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 Sodium Permanganate that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Sodium Permanganate total production and demand, 2021-2032, (MT)

Global Sodium Permanganate total production value, 2021-2032, (USD Million)

Global Sodium Permanganate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (MT), (based on production site)

Global Sodium Permanganate consumption by region & country, CAGR, 2021-2032 & (MT)

U.S. VS China: Sodium Permanganate domestic production, consumption, key domestic manufacturers and share

Global Sodium Permanganate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (MT)

Global Sodium Permanganate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (MT)

Global Sodium Permanganate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (MT)

This report profiles key players in the global Sodium Permanganate 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 Carus, Nippon Chemical, Guangdong Hangxin, Chongqing Changyuan Chemical, 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 Sodium Permanganate market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MT) and average price (USD/MT) 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 Sodium Permanganate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Sodium Permanganate Market, Segmentation by Type:

Sodium Permanganate 40%

Sodium Permanganate 20%

Other

Global Sodium Permanganate Market, Segmentation by Application:

Water Treatment

Electronics

Fine Chemicals & Pharmaceuticals

Other

Companies Profiled:

Carus

Nippon Chemical

Guangdong Hangxin

Chongqing Changyuan Chemical

Key Questions Answered:

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

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