

# Global Cobalt Oxide Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Cobalt Oxide market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

Cobalt(II,III) oxide is an inorganic compound with the formula  $\text{Co}_3\text{O}_4$ . It is one of two well characterized cobalt oxides. It is a black antiferromagnetic solid. As a mixed valence compound, its formula is sometimes written as  $\text{CoII CoIII}_2\text{O}_4$  and sometimes as  $\text{CoO} \cdot \text{Co}_2\text{O}_3$ .

Cobalt(II) oxide or cobalt monoxide is an inorganic compound that appears as olive-green to red crystals, or as a greyish or black powder. It is used extensively in the ceramics industry as an additive to create blue colored glazes and enamels as well as in the chemical industry for producing cobalt(II) salts.

Cobalt (III) oxide is the inorganic compound with the formula of  $\text{Co}_2\text{O}_3$ . Although only two oxides of cobalt are well characterized,  $\text{CoO}$  and  $\text{Co}_3\text{O}_4$ , procedures claiming to give  $\text{Co}_2\text{O}_3$  have been described. Thus treatment of  $\text{Co(II)}$  salts such as cobalt(II) nitrate with an aqueous solution of sodium hypochlorite (also known as bleach) gives a black solid. Some formulations of the catalyst hopcalite contain ' $\text{Co}_2\text{O}_3$ '.

The Global Info Research report includes an overview of the development of the Cobalt Oxide industry chain, the market status of Lithium-ion Battery (Cobalt(II) oxide(cobaltous oxide),  $\text{CoO}$ , Cobalt(III) oxide(cobaltic oxide),  $\text{Co}_2\text{O}_3$ ), Varistor (Cobalt(II) oxide(cobaltous oxide),  $\text{CoO}$ , Cobalt(III) oxide(cobaltic oxide),  $\text{Co}_2\text{O}_3$ ), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Cobalt Oxide.

Regionally, the report analyzes the Cobalt Oxide markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Cobalt Oxide market, with robust domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Cobalt Oxide market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Cobalt Oxide industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (MT), revenue generated, and market share of different by Type (e.g., Cobalt(II) oxide(cobaltous oxide), CoO, Cobalt(III) oxide(cobaltic oxide), Co<sub>2</sub>O<sub>3</sub>).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Cobalt Oxide market.

**Regional Analysis:** The report involves examining the Cobalt Oxide market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Cobalt Oxide market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Cobalt Oxide:

**Company Analysis:** Report covers individual Cobalt Oxide manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial

performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and attitudes towards Cobalt Oxide. This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Lithium-ion Battery, Varistor).

**Technology Analysis:** Report covers specific technologies relevant to Cobalt Oxide. It assesses the current state, advancements, and potential future developments in Cobalt Oxide areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report presents insights into the competitive landscape of the Cobalt Oxide market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Cobalt Oxide market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Cobalt(II) oxide(cobaltous oxide), CoO

Cobalt(III) oxide(cobaltic oxide), Co<sub>2</sub>O<sub>3</sub>

Cobalt(II,III) oxide, Co<sub>3</sub>O<sub>4</sub>

### Market segment by Application

Lithium-ion Battery

Varistor

Hard Alloy

Catalyst

Other

#### Major players covered

Umicore

OMG

Freeport

KLK

Huayou Cobalt

Jinchuan Group

COBOTO

Galico

Haina New Material

Dongxin Energy

#### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Cobalt Oxide product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Cobalt Oxide, with price, sales, revenue and global market share of Cobalt Oxide from 2019 to 2024.

Chapter 3, the Cobalt Oxide competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Cobalt Oxide breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Cobalt Oxide market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Cobalt Oxide.

Chapter 14 and 15, to describe Cobalt Oxide sales channel, distributors, customers, research findings and conclusion.

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