

Global Niobium Nitride (NbN) Powder Market 2023 by Manufacturers, Regions, Type and Application, Forecast to 2029

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Abstracts

Niobium Nitride (NbN) is light gray and yellowish. Its melting point is 2300°C and heat of formation is -237.8 kJ/mol. Its Mohs hardness is 8 and microhardness is 14.3 GPa. The resistivity of Niobium nitride is 200 $\mu\Omega\cdot\text{cm}$. The critical temperature of superconducting transition is 15.6 K. It is insoluble in hydrochloric acid, nitric acid and sulfuric acid, but dissolves in concentrated acid solution of hydrofluoric acid and sulfuric acid, also in hot alkali or high concentration alkali solution, and releases ammonia. When heated to 500-800°C in air, niobium pentoxide is formed and nitrogen is released. Niobium nitride decomposes into niobium in vacuum. It can form solid solution with titanium carbide, zirconium carbide, vanadium carbide and tantalum carbide.

Niobium nitride has high thermal and chemical stability, neutron irradiation resistance and is an excellent superconducting thin film material. It is prepared by sputtering in the mixture of argon and nitrogen. It is used to fabricate highly stable superconducting quantum devices.

According to our (Global Info Research) latest study, the global Niobium Nitride (NbN) Powder market size was valued at USD million in 2022 and is forecast to a readjusted size of USD million by 2029 with a CAGR of % during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

This report is a detailed and comprehensive analysis for global Niobium Nitride (NbN) Powder market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets.

Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Niobium Nitride (NbN) Powder market size and forecasts, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2018-2029

Global Niobium Nitride (NbN) Powder market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2018-2029

Global Niobium Nitride (NbN) Powder market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kiloton), and average selling prices (US\$/Ton), 2018-2029

Global Niobium Nitride (NbN) Powder market shares of main players, shipments in revenue (\$ Million), sales quantity (Kiloton), and ASP (US\$/Ton), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Niobium Nitride (NbN) Powder

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Niobium Nitride (NbN) Powder 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 ABSCO Limited, ALB MATERIALS INC, Fushel, Goodfellow and Jinzhou Haixin Metal Materials, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market Segmentation

Niobium Nitride (NbN) Powder market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Purity 99%

Purity 99.9%

Purity 99.99%

Purity 99.999%

Market segment by Application

Superconductor

Detectors

Anti-Reflective Coatings

Other

Major players covered

ABSCO Limited

ALB MATERIALS INC

Fushel

Goodfellow

Jinzhou Haixin Metal Materials

MaTeck

Nanoshel

NC Elemen

Shanghai Xinglu Chemical Technology

Stanford Advanced Materials

TRUNNANO

XI'AN FUNCTION MATERIAL GROUP

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 Niobium Nitride (NbN) Powder product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Niobium Nitride (NbN) Powder, with price, sales, revenue and global market share of Niobium Nitride (NbN) Powder from 2018 to 2023.

Chapter 3, the Niobium Nitride (NbN) Powder competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Niobium Nitride (NbN) Powder breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2018 to 2029.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2018 to 2029.

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 2022. and Niobium Nitride (NbN) Powder market forecast, by regions, type and application, with sales and revenue, from 2024 to 2029.

Chapter 12, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War.

Chapter 13, the key raw materials and key suppliers, and industry chain of Niobium Nitride (NbN) Powder.

Chapter 14 and 15, to describe Niobium Nitride (NbN) Powder sales channel, distributors, customers, research findings and conclusion.

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