

Global Vanadium Dioxide Supply, Demand and Key Producers, 2023-2029

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Abstracts

Vanadium dioxide is an oxide with the molecular formula of VO_2 and molecular weight of 82.94. It is dark blue crystal powder with monoclinic structure. It is insoluble in water and soluble in acid and alkali. When it is dissolved in acid, it cannot generate tetravalent ions, but generates positive bivalent vanadium oxide ions. When heated to red heat in the dry hydrogen gas stream, it is reduced to vanadium trioxide, or oxidized by air or nitric acid to produce vanadium pentoxide, which is dissolved in alkali to generate vanadate. It can be prepared by reducing vanadium pentoxide with carbon, carbon monoxide or oxalic acid.

This report studies the global Vanadium Dioxide production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Vanadium Dioxide, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Vanadium Dioxide that contribute to its increasing demand across many markets.

The global Vanadium Dioxide market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Highlights and key features of the study

Global Vanadium Dioxide total production and demand, 2018-2029, (Tons)

Global Vanadium Dioxide total production value, 2018-2029, (USD Million)

Global Vanadium Dioxide production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Vanadium Dioxide consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Vanadium Dioxide domestic production, consumption, key domestic manufacturers and share

Global Vanadium Dioxide production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Vanadium Dioxide production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Vanadium Dioxide production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons)

This reports profiles key players in the global Vanadium Dioxide 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 US Vanadium, American Elements, All India Metal Corporation, Forbes Pharmaceuticals, Nanochemazone, Lorad Chemical Corporation, GfE, Alfa Chemistry and Pangang Group Vanadium Titanium&Resources Co.,Ltd, etc.

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

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

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the

forecast year.

Global Vanadium Dioxide Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Vanadium Dioxide Market, Segmentation by Type

(2N) 99% Vanadium Dioxide

(3N) 99.9% Vanadium Dioxide

(4N) 99.99% Vanadium Dioxide

(5N) 99.999% Vanadium Dioxide

Global Vanadium Dioxide Market, Segmentation by Application

Infrared Acquisition

Gas Sensor

Field Effect Device

Others

Companies Profiled:

US Vanadium

American Elements

All India Metal Corporation

Forbes Pharmaceuticals

Nanochemazone

Lorad Chemical Corporation

GfE

Alfa Chemistry

Pangang Group Vanadium Titanium&Resources Co.,Ltd

Chengde Xinxin Vanadium and Titanium Co., Ltd

Sichuan Desheng Group Vanadium and Titanium Co., Ltd

Beijing Jianlong Heavy Industry Group Co., Ltd

Key Questions Answered

1. How big is the global Vanadium Dioxide market?
2. What is the demand of the global Vanadium Dioxide market?
3. What is the year over year growth of the global Vanadium Dioxide market?

4. What is the production and production value of the global Vanadium Dioxide market?
5. Who are the key producers in the global Vanadium Dioxide market?
6. What are the growth factors driving the market demand?

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