

ZIRCONIUM OXIDE (CAS 1314-23-4) Market Research Report 2025

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Abstracts

ZIRCONIUM OXIDE (CAS 1314-23-4) Market Research Report 2025 presents comprehensive data on ZIRCONIUM OXIDE markets globally and regionally (Europe, Asia, North America etc.)

The report includes ZIRCONIUM OXIDE description, covers its application areas and related patterns. It overviews ZIRCONIUM OXIDE market, names ZIRCONIUM OXIDE producers and indicates its suppliers.

Besides, the report provides ZIRCONIUM OXIDE prices in regional markets.

In addition to the above the report determines ZIRCONIUM OXIDE consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

We can analyze the following elements for each chemical product in any country or region:

capacities and production

consumption volume and structure

market price trends

exports and imports

existing technologies

feedstock market condition

market news digest

market forecast.

ZIRCONIUM OXIDE (CAS 1314-23-4) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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About

Product Name: ZIRCONIUM OXIDE

Synonyms:

Rhuligel

Zirconia

Zirconium White

Zirconia hydrate

Zirconium Dioxide

Zirconium Dioxide (Zirconia)

Zirconium Dioxide

C.I. 77990

Pigment white 12 (C.I. 77990)

Zirconium dioxide

Zirconium oxide

CAS#: 1314-23-4

Formula: O_2Zr

Molecular Weight: 123.22

Appearance: white amorphous powder

Usage: Instead of lime for the oxyhydrogen light.

Zirconium dioxide (Rhuligel; Zirconic anhydride; Zirconia; Zirconium White; Pigment White 12) is known as an inorganic metal oxide with the molecular formula O_2Zr and molecular weight 123.22. It exists as a white powder that melts at 2700 °C, boils at 5000 °C and has a flash point of 5000°C. Zirconium dioxide is insoluble in water. The product is manufactured by calcining zirconium compounds.

Zirconium dioxide dust can provoke mechanical irritation of eyes and skin. The ingestion of the product causes gastrointestinal irritation, which is characterized by vomiting, nausea and diarrhea. If inhaled, zirconium dioxide dust may produce the respiratory tract irritation.

The product finds one of its main applications in the manufacturing of ceramics. Zirconium dioxide is also used as a refractory material, in abrasives, enamels and insulation. Additionally, the product is employed in oxygen sensors and fuel cell membranes. Besides, zirconium dioxide is known as a precursor to the electroceramic lead zirconate titanate.

Zirconium dioxide market is covered in the study ZIRCONIUM OXIDE (CAS 1314-23-4) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks zirconium dioxide market situation, names manufacturers, suppliers as well as users. The report also provides current zirconium dioxide prices in the market.

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