

Market Analysis: Deuterium Oxide Market, Warm Edge Spacer Market and Isopentyldiol Market forecasted for 2023-2030

Market Analysis: Deuterium Oxide Market, Warm Edge Spacer Market and Isopentyldiol Market forecasted for 2023-2030

SEATTLE, WASHINGTON, USA, July 1, 2023 /EINPresswire.com/ -- The Deuterium Oxide Market is expected to grow from USD 49.00 Million in 2022 to USD 73.00 Million by 2030, at a CAGR of 6.16% during the forecast period. The selling and distribution of heavy water, a chemical substance with the formula D_2O , are referred to as the deuterium oxide market. Many causes, such as its application in nuclear reactors, scientific research, and medications, are what drive this industry. Due to the fact that heavy water is utilised in nuclear reactors as a neutron moderator, the nuclear industry has a substantial impact on the market for deuterium oxide. Deuterium Oxide is increasingly in demand as more nations turn to nuclear energy as a major source of energy. Furthermore, heavy water is employed in scientific studies, notably in areas like spectroscopy, where its isotopic characteristics make it perfect for some investigations.

Deuterium oxide is available in different purities, including:

- The 99% purity deuterium oxide is used in a variety of industrial applications such as the study of enzyme kinetics, structural studies of macromolecules, and investigations of protein solutions.
- The 99.8% purity deuterium oxide is used in medical applications, specifically in the field of magnetic resonance imaging (MRI).
- The higher purity grade of 99.9% is used for scientific research and pharmaceutical applications.

Deuterium oxide, also known as heavy water, has numerous applications in different industries. Firstly, it is used in the production of deuterium gas, which is essential for manufacturing nuclear reactors and weapons. Secondly, deuterated solvents, which are produced by replacing hydrogen atoms with deuterium in solvents, are extensively used in nuclear magnetic resonance spectroscopy (NMR) in the pharmaceutical, chemical, and biotech industries. In the nuclear industry, deuterium oxide serves as a moderator to slow down the neutrons in a nuclear reactor.

The Asia Pacific region is also expected to witness significant growth in the Deuterium Oxide

market owing to the surge in adoption of nuclear medicine for early disease diagnosis and treatment, particularly in countries like China and India. It is projected to hold a market share of around 21% in the coming years. Other regions such as Latin America, the Middle East, and Africa are also expected to contribute to the growth of the Deuterium Oxide market. Overall, the global Deuterium Oxide market is expected to reach a market share valuation of approximately \$1.1 billion by 2027, with North America, Europe, and the Asia Pacific region contributing significantly to its growth.

The key players in the market are Isowater, Heavy Water Board (HWB), deutraMed Inc, Mesbah Energy, and others.

The sales revenue figures of some of these companies are as follows:

- Isowater: \$10-50 million
- Heavy Water Board (HWB): \$50-100 million
- deutraMed Inc: \$1-10 million
- Mesbah Energy: \$10-50 million

Click here for more information: <https://www.reportprime.com/deuterium-oxide-r456>

The Warm Edge Spacer Market is expected to grow from USD 484.70 Million in 2022 to USD 677.60 Million by 2030, at a CAGR of 4.90% during the forecast period. The Warm Edge Spacer market targets customers in the building and construction industry, particularly those involved in the fabrication of insulated glass units (IGUs). This market is driven by a growing demand for energy-efficient buildings and stricter building codes aimed at reducing energy consumption and greenhouse gas emissions. Increased awareness of the role of windows in energy efficiency, coupled with rising energy costs, is also contributing to the growth of the Warm Edge Spacer market.

There are several types of Warm Edge Spacers available in the market:

- Plastic/Metal Hybrid Spacers
- Stainless Steel Spacers

Plastic/Metal Hybrid Spacers are made of a combination of plastic and metal, which makes them extremely durable and flexible.

Warm Edge Spacers are mainly used to improve thermal insulation and minimize heat transfer between the glass and the frame. It is widely used in both residential and commercial buildings. In residential buildings, warm edge spacers are used in windows and doors, helping to reduce energy consumption by improving insulation. Warm edge spacers help to minimize heat loss, condensation and cold transfers in multiple glazed windows, conservatories, skylights and patio doors.

Europe and North America are expected to dominate the global Warm Edge Spacer market. Europe is expected to hold the largest market share of around 40%, while North America is expected to hold a market share of around 30%. The Asia-Pacific region is also expected to show significant growth in the coming years, with an expected market share of around 20%.

The global warm edge spacer market is highly competitive, with players such as Edgetech (Quanex), JE Berkowitz, Ensinger (Thermix), Allmetal, Nippon Sheet Glass, Swisspacer, Hygrade Components, AGC Glass, Technoform, Alu-Pro, Thermoseal, TruForm Building Products Inc., Viracon, and Vitrum Glass Group.

Sales revenue figures of a few of the above-listed companies (in million dollars):

- Edgetech (Quanex): \$85.5 million (2018)
- Nippon Sheet Glass: \$6.6 billion (2019)
- Swisspacer: \$33.7 million (2018)
- Thermoseal: \$34.8 million (2019)

Click here for more information: <https://www.reportprime.com/warm-edge-spacer-r457>

The Isopentyldiol Market is expected to grow from USD 29.00 Million in 2022 to USD 38.00 Million by 2030, at a CAGR of 4.02% during the forecast period. The Isopentyldiol market is a booming market due to increasing demand from the cosmetics and personal care industry. Isopentyldiol is a colorless liquid with a mild odor and is used as a moisturizing ingredient in various cosmetics and personal care products. The market is segmented based on application and distribution channel. The major factors driving revenue growth in the Isopentyldiol market are increasing consumer demand for natural and organic products, growing personal care industry, and emerging economies.

The two types of Isopentyldiol are:

- Cosmetic Grade Isopentyldiol
- Others

Cosmetic Grade Isopentyldiol is a high-quality version that has undergone rigorous testing to ensure that it is safe for use in cosmetics. Other types of Isopentyldiol may not meet these same standards.

In terms of market share, the Asia Pacific region is expected to hold the largest market share percent valuation, followed by North America and Europe. The report predicts that the Asia Pacific region will hold a market share of around 40% by the end of the forecast period, while North America and Europe will hold around 30% and 20% respectively. Other regions such as Latin America and the Middle East and Africa are also expected to contribute to the growth of the global Isopentyldiol market, albeit at a slower pace.

The Isopentyldiol market is highly competitive with the presence of several key players such as Kuraray, BASF SE, and Evonik Industries AG.

Kuraray's revenue grew by 2% to ¥155.3 billion in FY2021. BASF SE, one of the largest players operating in the Isopentyldiol market, generated revenue of €59.2 billion in 2020. Evonik Industries AG had a revenue of €12.2 billion in 2020, with its Personal Care division reporting a 2% growth compared to the previous year.

Click here for more information: <https://www.reportprime.com/isopentyldiol-r458>

Mohit Patil

Prime PR Wire

+1 951-407-0500

[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/642467308>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2023 Newsmatics Inc. All Right Reserved.