

# Hydrazine Hydrate Market to Record Sturdy Growth by 2024 - 2031 | Otsuka-MGC Chemical Company, Inc., Arkema SA

*The global hydrazine hydrate market was valued at US\$ 505.2 Million in 2022 in terms of revenue, exhibiting a CAGR of 6.1% during the forecast period*

BURLINGAME, CALIFORNIA, UNITED STATES, July 11, 2024

/EINPresswire.com/ -- Market Overview:

Hydrazine hydrate, also known as diamide, is a colorless flammable liquid with a characteristic amine-like odor. It is commonly used as a reducing agent in boiler water treatment and in organic synthesis.

Market Dynamics:

Growing demand from water treatment applications is expected to be a major driver for the hydrazine hydrate market over the forecast period. Hydrazine hydrate is used as an oxygen scavenger and corrosion inhibitor in boiler water and industrial water treatment to protect equipment from corrosion. It reacts with dissolved oxygen, carbon dioxide, and other oxidizing chemicals to form inactive compounds. Another key driver is its use in the production of polymers such as polyacrylonitrile fibers. Hydrazine hydrate acts as a blowing agent that releases nitrogen and provides lightweight and heat insulation properties to polymers.

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Major Driver 1: Increasing Demand from Water Treatment Plants



Hydrazine Hydrate Market

Hydrazine hydrate is majorly used as a corrosion inhibitor in boiler feedwater and cooling water systems of power plants and industrial facilities. It is also used for the purification of drinking water and wastewater treatment. The increasing population across the globe is putting pressure on countries to expand and upgrade their water treatment infrastructure in order to provide clean water. This growing need for sustainable and safe water supply is expected to augment the demand for hydrazine hydrate from water treatment industry over the forecast period.

#### Major Opportunity: Growth in Membrane Technology

Hydrazine hydrate plays an important role in some membrane preparation processes like reverse osmosis, ultrafiltration and microfiltration. It acts as a reactant and controls membrane thickness as well as pore size during fabrication. Membrane technology is gaining widespread acceptance across multiple end-use industries, including water & wastewater treatment, food & beverage, biopharmaceutical, chemical processing, etc. Strong growth momentum of membrane-based separation processes presents lucrative opportunities for hydrazine hydrate suppliers over the forthcoming years.

#### Emerging Trend: Increasing R&D in Fuel Cells Technology

Fuel cells have garnered significant attention recently as next-generation clean energy solutions. They serve as highly efficient electricity generators by combining hydrogen and oxygen through an electrochemical reaction. Hydrazine hydrate is commonly used as a fuel in some fuel cell technologies like hydrazine fuel cells. With continuous innovations and rapidly declining costs, fuel cells are expanding into new verticals like transportation, portable power, backup power and combined heat & power generation. This emerging trend will raise the demand for hydrazine hydrate in fuel cells industry during the forecast timeline.

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#### Top Companies Featured in This Report:

- Otsuka-MGC Chemical Company Inc.
- Arkema SA
- Lonza Group Ltd.
- Nippon Carbide Industries Co. Inc.
- Tanshang Chen Hong Industrial Co., Ltd.,
- LANXESS
- Japan FineChem Co. Inc.
- Hunan Zhuzhou Chemical Industry Group Co. Ltd.
- Yibin Tianyuan Group Co., Ltd.,
- Weifang Yaxing Chemical Co., Ltd.,

Market Segmentation:

By Product Type:

□ By End User: Water Treatment, Pharmaceutical, Agrochemicals, Polymerization & Blowing Agents, Others

Key Regions/Countries Classified as Follows:

- » North America (U.S., Canada, Mexico)
- » Europe (Germany, U.K., France, Italy, Russia, Spain, Rest of Europe)
- » Asia-Pacific (China, India, Japan, Singapore, Australia, New Zealand, Rest of APAC)
- » South America (Brazil, Argentina, Rest of SA)
- » Middle East & Africa (Turkey, Saudi Arabia, Iran, UAE, Africa, Rest of MEA)

The report offers insights on the following aspects:

Chapter 1: Study Coverage

Chapter 2: Executive Summary

Chapter 3: Analysis of Hydrazine Hydrate Market Competition Landscape by Players

Chapter 4: Assessment of Hydrazine Hydrate Market Size by Type and Application

Chapter 5: Global and Regional Analysis

Chapter 6: Company Profiles, recent developments, and investments

Chapter 7: Analysis of Market Opportunities, Challenges, Risks, and Influencing Factors

Chapter 8: Evaluation of Value Chain and Sales Channels, including breakthrough product developments

Chapter 9: Research Findings and Conclusion

Chapter 10: Methodology/Research Approach

The report also delves into the competitive landscape, key players, trade patterns, industry value chain, recent news, policies, and regulations. Should you have any inquiries or require customization options, please don't hesitate to contact us.

In summary, whether you're engaged in manufacturing, distribution, or investment within the Hydrazine Hydrate sector, this report furnishes invaluable insights into market segments, drivers, challenges, investment prospects, regional dynamics, major players, growth strategies, prevailing trends, and hurdles influencing the industry's expansion.

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Priya Pandey is a dynamic and passionate editor with over three years of expertise in content editing and proofreading. Holding a bachelor's degree in biotechnology, Priya has a knack for making the content engaging. Her diverse portfolio includes editing documents across different industries, including food and beverages, information and technology, healthcare, chemical and materials, etc. Priya's meticulous attention to detail and commitment to excellence make her an invaluable asset in the world of content creation and refinement.

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