

## **Hydrazine Hydrate Market Report and Forecast 2025-2034**

Market Report | 2025-08-11 | 151 pages | EMR Inc.

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### **Report description:**

The global hydrazine hydrate market is expected to grow in the forecast period of 2025-2034 at a CAGR of 6.00%.

#### **Extensive Use of Hydrazine Hydrate in Water Treatment Boosting the Industry Growth**

Hydrazine hydrate is highly soluble in water and can reduce itself to form nitrogen and water. Moreover, it protects the boiler tubes from corrosion by reacting with soft haematite layers to form a hard magnetic layer. Hence, it is an important component in boiler water treatment that is aiding the market growth. In addition, it is also used in high pressure and high purity system where it can directly react with dissolved oxygen to increase the temperature and pH. Furthermore, hydrazine hydrate is volatile in nature; hence it leaves no residue in water. It is also used as an alternative for sulphides as an oxygen scavenger in water. Such properties of hydrazine hydrate make it suitable for application in water treatment, further augmenting the industry growth.

#### **The Asia Pacific to Hold a Significant Share of Hydrazine Hydrate Industry in the Forecast Period**

North America market for hydrazine hydrate is witnessing significant growth due to the increasing demand for water treatment. As hydrazine hydrate is used to remove dust particles, germs, and disinfectants from the water, it is extensively used for water treatment in both commercial and domestic sectors to purify and enhance the quality of water, which is contributing significantly to the overall market growth. Moreover, the rising use of hydrazine hydrate in the pharmaceuticals industry to manufacture various drugs is further catalysing the industry growth. Meanwhile, the Asia Pacific region is expected to hold a major share of the market growth in the forecast period. This is due to the rising demand for hydrazine hydrate in various industries, such as agriculture, agrochemical, and pharmaceuticals, among others. In addition, the robust growth of the construction, automotive, and packaging industry is increasing the demand for polymer foams, consequently augmenting the growth of the overall market.

#### **Hydrazine Hydrate: Market Segmentation**

Hydrazine hydrate is a colourless liquid base that is usually made by reaction of sodium hypochlorite with urea or ammonia. It

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reacts with acids and certain metallic salts, and the product formed is used in the manufacture of explosives and agricultural fungicides. Moreover, it is a powerful reducing agent that is highly explosive.

#### Market Breakup by Application

- Polymerisation and Blowing Agents
- Water Treatment
- Pharmaceuticals
- Others

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Rising Use of Crop Protection Agents to Meet Global Food Demand to Aid the Growth of Hydrazine Hydrate Industry

The exponential rise in global population, the rising demand for food security, and the reduction of arable land are increasing the demand for high yield agriculture. This is also increasing the use of various crop protection agents like pesticides and fungicides; hydrazine hydrate is widely used in the manufacturing of crop protection agents, which is significantly contributing to the market growth. Additionally, hydrazine hydrate can increase crop yield, improve the soil quality, and enhance the growth of plants, due to which they are widely used in several agrochemical applications, consequently invigorating the industry growth. Additionally, hydrazine hydrate is cost-effective, energy-efficient, and highly productive; therefore it is used in various industries, such as aerospace and textile, which is anticipated to propel the industry growth in the forecast period.

The extensive use of polymers in major sectors, such as packaging, automotive, construction, and medical, among others, is positively impacting the growth of the hydrazine hydrate industry. Although the market can be hindered from the identification of hydrazine as a carcinogen, there is not much research to prove the claim, which is expected to aid the market growth. Moreover, polymers are increasingly used as a substitute for glass and metals. Moreover, the increasing investments by the key players for research and development (R&D) to create highly functional blowing agents are also enhancing the market growth. The increasing prevalence of using sustainable and eco-friendly materials in manufacturing attributed to rapid climate change is also expected to boost the market growth.

#### Key Industry Players in the Global Hydrazine Hydrate Market

The report presents a detailed analysis of the following key players in the global hydrazine hydrate market, looking into their capacity, market shares, and latest developments like capacity expansions, plant turnarounds, and mergers and acquisitions:

- Arkema Group
- Lonza Group Ltd
- Lanxess AG
- Koc Co., Ltd
- Otsuka Chemical Co., Ltd.
- Others

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The comprehensive report looks into the macro and micro aspects of the industry. The EMR report gives an in-depth insight into the market by providing a SWOT analysis as well as an analysis of Porter's Five Forces model.

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